



June 22, 2020

Mr. Pat Schreiner
PJ Properties of Marshfield, LLC
106 East 4th Street
Marshfield, WI 54449

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations
Pioneer Bank, 701 S. Central Ave., Marshfield, WI
DNR BRRTS Activity #: 03-72-521604

Dear Mr. Schreiner:

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

This final closure decision is based on the correspondence and data provided and is issued under chs. NR 726 and 727, Wis. Adm. Code. The West Central Region Closure Committee reviewed the request for closure on February 6, 2020. The Closure Committee reviewed this environmental remediation case for compliance with state laws and standards to maintain consistency in the closure of these cases. A request for remaining actions needed was issued by the DNR on February 24, 2020, and documentation that the conditions in that letter were met was received on June 9, 2020.

The site was a Texaco gasoline fuel station from approximately 1959 through 1979. A dry cleaner operated at the site between 1984 and 1988. A second response action site is located at this property due to contamination from the dry cleaning operation. The conditions of closure and continuing obligations required were based on the property being used for commercial purposes.

Continuing Obligations

The continuing obligations for this site are summarized below. Further details on actions required are found in the section Closure Conditions.

- Groundwater contamination is present at or above ch. NR 140, Wis. Adm. Code enforcement standards.
- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- One or more monitoring wells were not located and must be properly filled and sealed if found.
- Pavement must be maintained over contaminated soil and the DNR must be notified and approve any changes to this barrier.
- If a structural impediment that obstructed a complete site investigation and/or cleanup is removed or modified, additional environmental work must be completed.

The DNR fact sheet “Continuing Obligations for Environmental Protection,” RR-819, helps to explain a property owner’s responsibility for continuing obligations on their property. The fact sheet may be obtained online at dnr.wi.gov and search “RR-819”.

DNR Database

This site will be included on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web (BOTW) online at dnr.wi.gov and search “BOTW”, to provide public notice of residual contamination and of any continuing obligations. The site can also be viewed on the Remediation and Redevelopment Sites Map (RRSM), a map view, at dnr.wi.gov and search “RRSM”.

The DNR’s approval prior to well construction or reconstruction is required in accordance with s. NR 812.09 (4) (w), Wis. Adm. Code. This requirement applies to private drinking water wells and high capacity wells. To obtain approval, complete and submit Form 3300-254 to the DNR Drinking and Groundwater program’s regional water supply specialist. This form can be obtained on-line at dnr.wi.gov and search “3300-254”.

All site information is also on file at the West Central Regional DNR office, at 1300 West Clairemont Avenue, Eau Claire, WI 54701. This letter and information that was submitted with your closure request application, including any maintenance plan and maps, can be found as a Portable Document Format (PDF) in BOTW.

Prohibited Activities

Certain activities are prohibited at closed sites because maintenance of a barrier is intended to prevent contact with any remaining contamination. When a barrier is required, the condition of closure requires notification of the DNR before making a change, in order to determine if further action is needed to maintain the protectiveness of the remedy employed. The following activities are prohibited on any portion of the property where pavement is required, as shown on the attached map, “Figure D.2.a: New Cap, 05/29/2020”, unless prior written approval has been obtained from the DNR:

- removal of the existing barrier or cover;
- replacement with another barrier or cover;
- excavating or grading of the land surface;
- filling on covered or paved areas;
- plowing for agricultural cultivation;
- construction or placement of a building or other structure;

Closure Conditions

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

Please send written notifications accordance with the following requirements to:

Department of Natural Resources
Attn: Remediation and Redevelopment Program Environmental Program Associate
1300 West Clairemont Avenue
Eau Claire, WI 54701

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

Groundwater contamination greater than enforcement standards is present both on this contaminated property and off this contaminated property, as shown on the attached map, “Figure B.3.b: Groundwater Isoconcentration,

09/26/2019". If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval. Affected property owners and right-of-way holders were notified of the presence of groundwater contamination.

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

Soil contamination remains as indicated on the attached map, "Figure B.2.b: Residual Soil Contamination, 09/26/2019". If soil in the specific locations described above is excavated in the future, the property owner or right-of-way holder at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the property owner or right-of-way holder at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Contaminated soil may be managed in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval. This continuing obligation also applies to the ROW holders for South Central Avenue.

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

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

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

Monitoring well(s) MW-1, MW-7, and MW-9 located along South Central Avenue shown on the attached map, "Figure B.3.d: Monitoring Wells, 09/27/2019", could not be properly filled and sealed because they were missing due to being paved over, covered or removed during site development activities. Your consultant made a reasonable effort to locate the well and to determine whether they were properly filled and sealed but was unsuccessful. You may be held liable for any problems associated with the monitoring wells if they create a conduit for contaminants to enter groundwater. If any of the groundwater monitoring wells are found, the then current owner of the property on which the well is located is required to notify the DNR, to properly fill and seal the wells and to submit the required documentation to the DNR. This continuing obligation also applies to the ROW holders for South Central Avenue.

Cover or Barrier (s. 292.12 (2) (a), Wis. Stats., s. NR 726.15, s. NR 727.07 Wis. Adm. Code)

The pavement that exists in the location shown on the attached map, "Figure D.2.a: New Cap, 05/29/2020" shall be maintained in compliance with the attached maintenance plan in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

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

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

A request may be made to modify or replace a cover or barrier. Before removing or replacing the cover, you must notify the DNR at least 45 days before taking an action. The replacement or modified cover or barrier must be

protective of the revised use of the property and must be approved in writing by the DNR prior to implementation. A cover or barrier for industrial land uses, or certain types of commercial land uses may not be protective if the use of the property were to change such that a residential exposure would apply. This may include, but is not limited to, single or multiple family residences, a school, day care, senior center, hospital or similar settings. In addition, a cover or barrier for multi-family residential housing use may not be appropriate for use at a single-family residence.

The attached maintenance plan and inspection log (DNR form 4400-305) are to be kept up-to-date. Inspections shall be conducted annually in accordance with the attached maintenance plan. Submit the inspection log to the DNR only upon request.

Structural Impediments (s. 292.12 (2) (b), Wis. Stats., s. NR 726.15, s. NR 727.07, Wis. Adm. Code)

The remaining building as shown on the attached map, "Figure D.2.a: New Cap, 05/29/2020 as *Former Texaco Station*, made complete investigation and/or remediation of the soil contamination on this property impracticable. If the structural impediment is to be removed, the property owner shall notify the DNR at least 45 days before removal and conduct an investigation of the degree and extent of soil contamination below the structural impediment. If contamination is found at that time, the contamination shall be properly remediated in accordance with applicable statutes and rules.

Other Closure Information

General Wastewater Permits for Construction Related Dewatering Activities

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 and building construction.

If you or any other person plan to conduct such activities, you or that person must contact that program, and if necessary, apply for the necessary discharge permit. Additional information regarding discharge permits is available at dnr.wi.gov and search "wastewater permits". 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 and oil and grease, a general permit for Pit/Trench Dewatering may be needed.

PECFA Reimbursement

Section 101.143, Wis. Stats., requires that Petroleum Environmental Cleanup Fund Award (PECFA) claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement. If there is equipment purchased with PECFA funds remaining at the site, contact the DNR Project Manager to determine the method for salvaging the equipment.

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

In Closing

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

- if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment,
- if the property owner does not comply with the conditions of closure, with any deed restrictions

- applied to the property, or with a certificate of completion issued under s. 292.15, Wis. Stats., or a property owner fails to maintain or comply with a continuing obligation (imposed under this closure approval letter).

The DNR appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Matt Thompson at 715-839-3750, or at matthewa.thompson@wisconsin.gov.

Sincerely,



David Rozeboom
West Central Region Team Supervisor
Remediation & Redevelopment Program

Attachments:

- Figure B.3.b: Groundwater Isoconcentration, 09/26/2019
- Figure B.2.b: Residual Soil Contamination, 09/26/2019
- Figure B.3.d: Monitoring Wells, 09/27/2019
- Figure D.2.a: New Cap, 05/29/2020
- Maintenance Plan, February 19, 2020
- Inspection log, DNR Form 4400-305

cc: Brian Bailey, REI
Ben Degner, REI

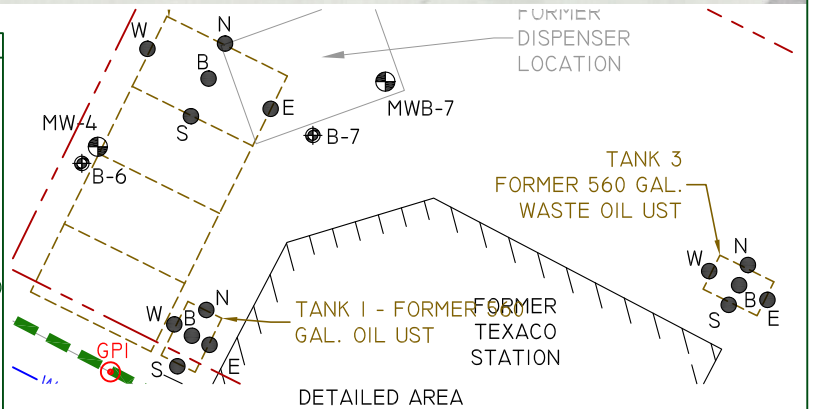
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LEGEND

0 40
SCALE: 1" = 40'

- SS SEWER LINE (APPROXIMATE)
- G GAS LINE
- W WATER LINE
- COMMUNICATION LINE
- E ELECTRICAL LINE
- TANK SOIL SAMPLES (PROVIDED BY AECOM)
- ⊕ MONITORING WELL
- ⊕ (blue) PIEZOMETER
- ⊕ (black) TEMPORARY WELLS (AECOM) - ABANDONED
- ⊕ (grey) MONITORING WELL (LOST OR ABANDONED)
- ⊕ (red) 2017 GEOPROBE BORING
- ⊕ (red) 2012 GEOPROBE BORING
- ⊕ (red) SUB-SLAB VAPOR SAMPLE
- - - - - APPROXIMATE PROPERTY LINE



DETAILED AREA

— ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING THE NR 720 DIRECT CONTACT RCL FOR PETROLEUM COMPOUNDS.

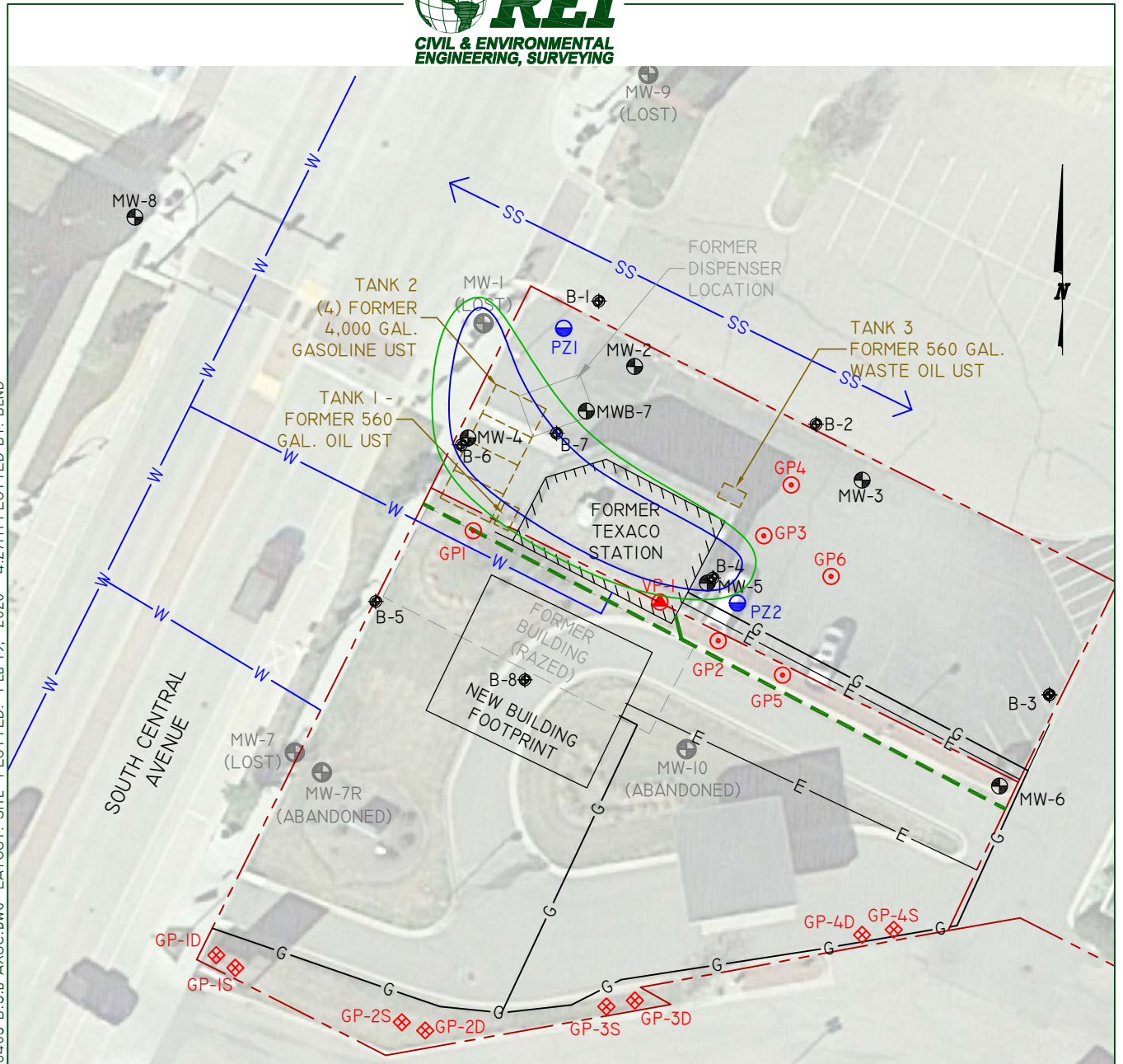
— ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING THE NR 720 GROUNDWATER PATHWAY PROTECTION RCL FOR PETROLEUM COMPOUNDS.

REI Engineering, INC.

PIONEER BANK – FORMER TEXACO STATION
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE B.2.b: RESIDUAL SOIL CONTAMINATION	
PROJECT NO.	DATE:
5403 AXUC	09/26/2019
DRAWN BY:	STH

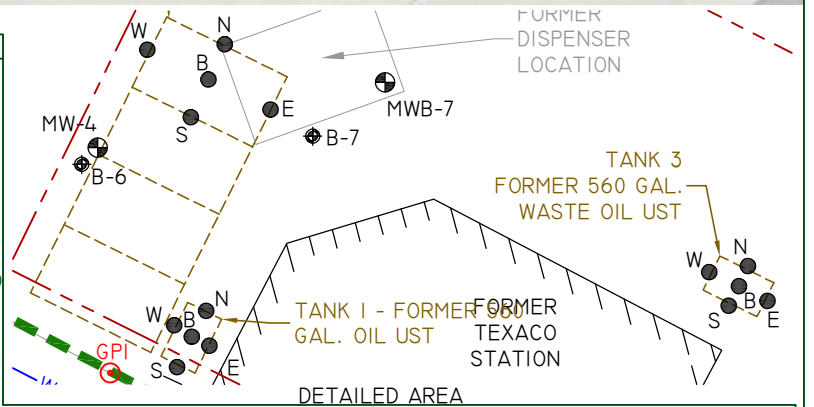
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LEGEND

0 40
SCALE: 1" = 40'

- SS— SEWER LINE (APPROXIMATE)
- G— GAS LINE
- W— WATER LINE
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- ⊕ (red) 2017 GEOPROBE BORING
- ⊕ (black) 2012 GEOPROBE BORING
- ⊕ (red) SUB-SLAB VAPOR SAMPLE
- - - APPROXIMATE PROPERTY LINE



ESTIMATED EXTENT OF DISSOLVED PHASE GROUNDWATER CONTAMINATION EXCEEDING THE NR 140 ENFORCEMENT STANDARD (ES) FOR PETROLEUM COMPOUNDS.

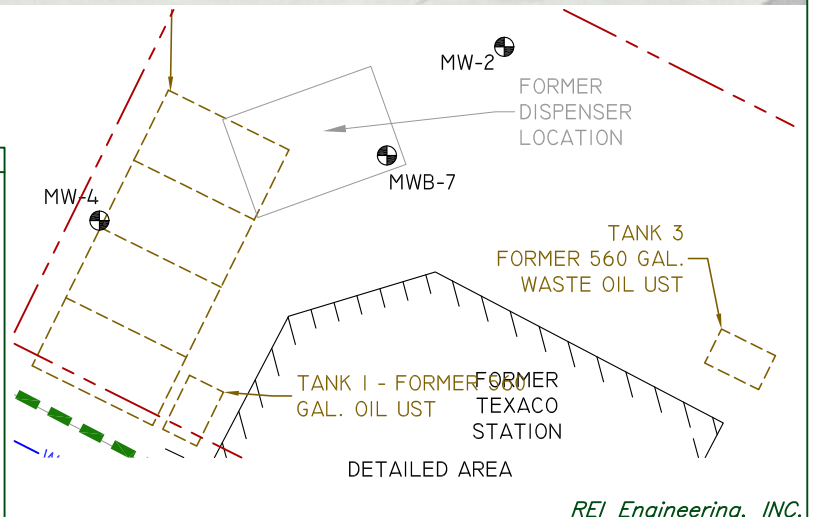
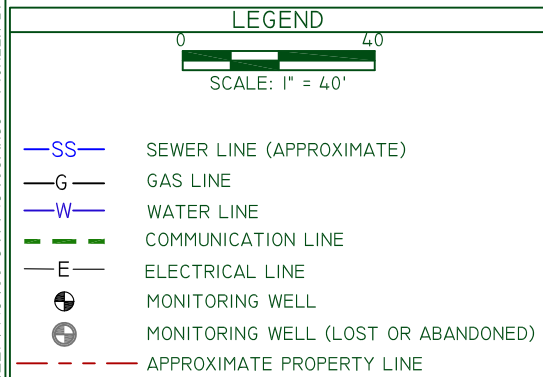
ESTIMATED EXTENT OF DISSOLVED PHASE GROUNDWATER CONTAMINATION EXCEEDING THE NR 140 PREVENTATIVE ACTION LIMIT (PAL) FOR PETROLEUM COMPOUNDS.

REI Engineering, INC.

PIONEER BANK – FORMER TEXACO STATION
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE B.3.b: GROUNDWATER ISOCONCENTRATION	
PROJECT NO. 5403 AXUC	DRAWN BY: STH
DATE: 09/26/2019	

DRAWING FILE: P:\5400-5499\5403AXUC - PIONEER BANK PECEFA.DWG\5403-B.3.D-AXUC.DWG LAYOUT: SITE PLOTTED: FEB 19, 2020 - 4:00PM PLOTTED BY: BEND



REI Engineering, INC.

PIONEER BANK – FORMER TEXACO STATION
 701 SOUTH CENTRAL AVENUE
 MARSHFIELD, WISCONSIN

FIGURE B.3.d: MONITORING WELLS		DATE:
PROJECT NO.	DRAWN BY:	09/27/2019
5403 AXUC	STH	

D.1 Description of Maintenance Actions

February 19, 2020

Pioneer Bank – Former Texaco Station and Former Judge’s Cleaners
701 S. Central Avenue
Marshfield, WI 5449

BRRTS #02-72-522339

BRRTS #03-72-521604

Wood County Parcel ID: 33-01703A

Introduction

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

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

- The case file in the DNR West Central Region office
- At <http://dnr.wi.gov/topic/Brownfields/wrrd.html>, which includes:
 - o BRRTS on the Web (DNR’s internet-based database of contaminated sites) for the link to a PDF for site-specific information at the time of closure and on continuing obligations;
 - o RR Sites Map for a map view of the site, and
- The DNR project manager for Fond du Lac County.

Description of Contamination

Soil contaminated by unleaded gasoline is located at a depth of approximately 2-16 feet below land surface (bls) at the area below the dispenser canopy. Groundwater contaminated by unleaded gasoline is located at a depth of 2 feet bls. The extent of the soil and groundwater contamination is shown on the attached Figure D.2.

Description of the [Cover/Barrier] to be Maintained

The barrier consists of eight (8) inches of asphalt. It is located over the entire area of soil and groundwater contamination as shown on the attached Figure D.2.

Cover/Building/Slab/Barrier Purpose

The barrier over the contaminated soil plume exceeding non-industrial direct contact standards will serve as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. The barrier also acts as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in ch. NR 140, Wisconsin Administrative Code. Based on the current use of the property, as a retail petroleum sales facility and convenience store, the barrier should function as intended unless disturbed.

Annual Inspection

The barrier overlying the contaminated soil as depicted in the attached figures will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks greater than ¼" and other potential problems that can cause exposure to or additional infiltration into underlying soils. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed and where infiltration from the surface will not be effectively minimized will be documented.

A log of the inspections and any repairs will be maintained by the property owner and is included as D.4, Form 4400-305, Continuing Obligations Inspection and Maintenance Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed and where infiltration from the surface will not be effectively minimized. Once repairs are completed, they will be documented in the inspection log. A copy of the maintenance plan and inspection log will be kept at the site available for submittal or inspection by Wisconsin Department of Natural Resources (DNR) representatives upon their request.

Maintenance Activities

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling or larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment (PPE). The owner must also sample any soil that is excavated from the site prior to disposal to ascertain if contamination remains. The soil must be treated, stored and disposed of by the owner in accordance with applicable local, state and federal law.

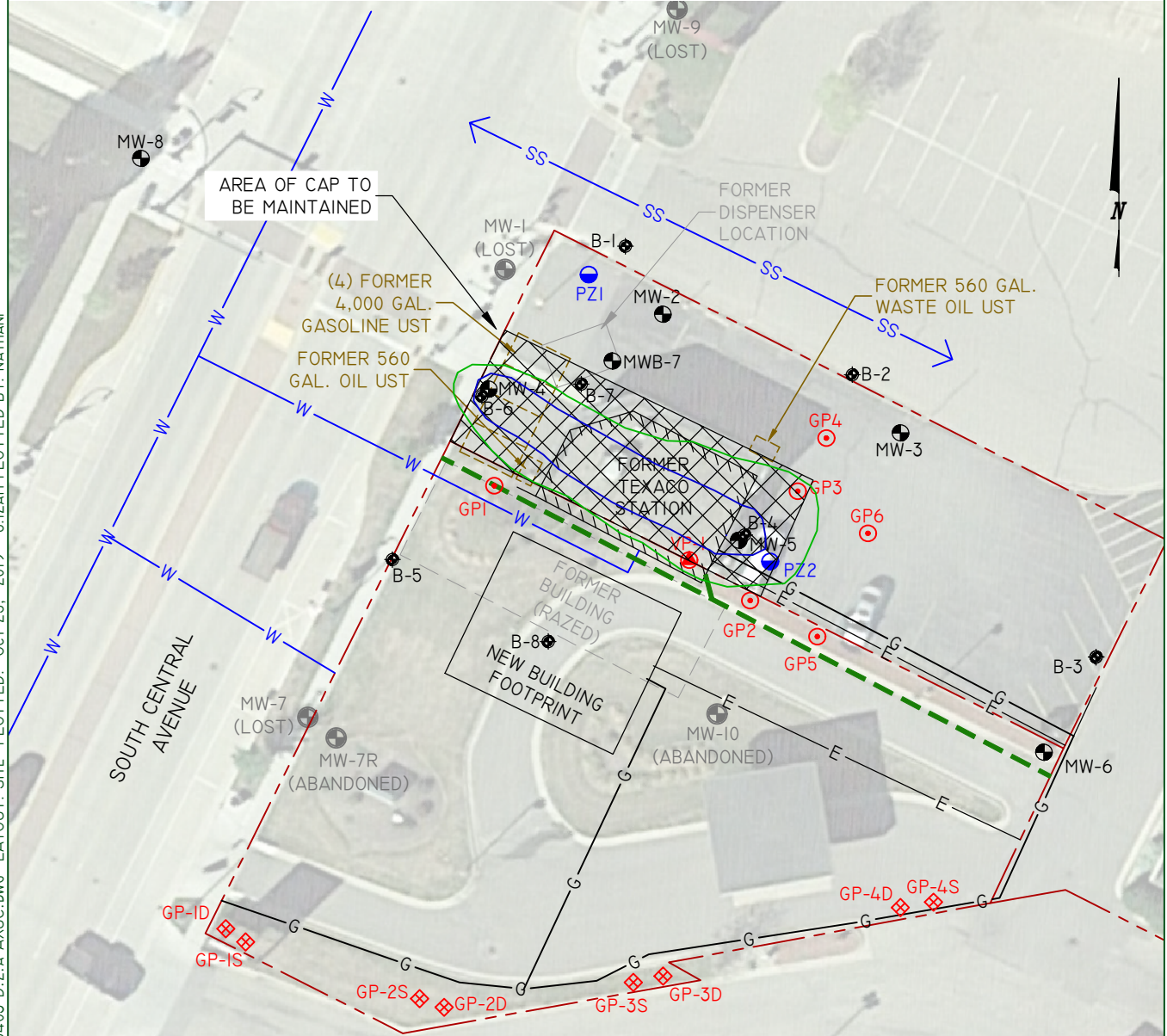
In the event the barrier overlying the contaminated soil and groundwater is removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the DNR or its successor.

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

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

The following activities are prohibited on any portion of the property where [pavement, a building foundation, soil cover, engineered cap or other barrier] is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; 6) construction or placement of a building or other structure; 7) changing the use or occupancy of the property to a residential exposure setting, which may include certain uses, such as single or multiple family residences, a school, day care, senior center, hospital, or similar residential exposure settings.

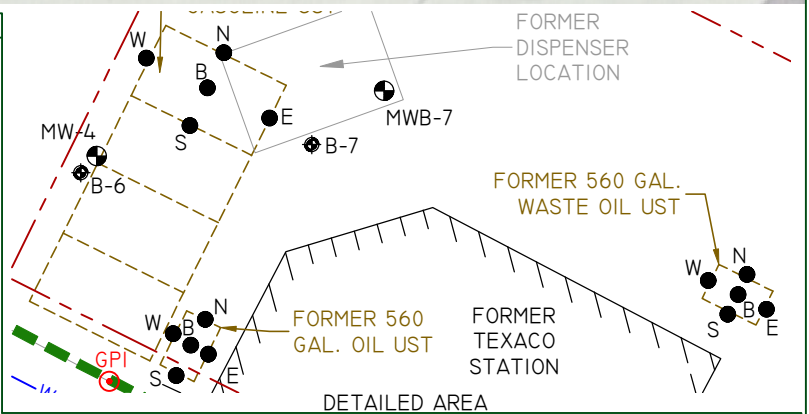
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LEGEND

0 40
SCALE: 1" = 40'

- SS— SEWER LINE (APPROXIMATE)
- G— GAS LINE
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- ◇ 2017 GEOPROBE BORING
- ◇ 2012 GEOPROBE BORING
- ◇ SUB-SLAB VAPOR SAMPLE
- - - APPROXIMATE PROPERTY LINE



— ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING THE NR 720 DIRECT CONTACT RCL FOR PETROLEUM COMPOUNDS.

— ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING THE NR 720 GROUNDWATER PATHWAY PROTECTION RCL FOR PETROLEUM COMPOUNDS. *REI Engineering, INC.*

PIONEER BANK – FORMER TEXACO STATION
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE D.2.b: NEW CAP		DRAWN BY: STH	DATE: 05/29/2019
PROJECT NO.	5403 AXUC		

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

Activity (Site) Name Pioneer Bank - Former Judge's Cleaners and Former Texaco Station	BRRTS No. 02-72-522339 and 03-72-521604
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Inspections are required to be conducted (see closure approval letter):

annually
 semi-annually
 other – specify _____

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

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

SUBMIT AS UNBOUND PACKAGE IN THE ORDER SHOWN

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

Site Information			
BRRTS No.	VPLE No.		
03-72-521604			
Parcel ID No.			
33-01703A			
FID No.	WTM Coordinates		
772061180	X 505941	Y 465328	
BRRTS Activity (Site) Name	WTM Coordinates Represent:		
Pioneer Bank	<input checked="" type="checkbox"/> Source Area <input type="checkbox"/> Parcel Center		
Site Address	City	State	ZIP Code
701 S. Central Avenue	Marshfield	WI	54449
Acres Ready For Use	0.21		

Responsible Party (RP) Name			
Pat Schreiner			
Company Name			
PJ Properties of Marshfield, LLC			
Mailing Address	City	State	ZIP Code
106 E. 4th Streeth	Marshfield	WI	54449
Phone Number	Email		

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

Environmental Consultant Name			
Brian Bailey			
Consulting Firm			
REI Engineering, Inc.			
Mailing Address	City	State	ZIP Code
4080 N. 20th Avenue	Wausau	WI	54401
Phone Number	Email		
(715) 675-9784	Bbailey@REIengineering.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 site is located in the City of Marshfield at the intersection of W. 7th Street and S. Central Avenue. The surrounding properties are entirely commercial.
- B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.
Currently the site is a commercial Verizon Wireless retailer. The site was used as a Texaco gasoline fueling station from approximately 1959 through 1979. More recently the site was a Judge's Cleaners dry cleaning operation from 1984 to 1988.
- C. Current zoning (e.g., industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).
Current zoning of the property is commercial and has been verified through the Wood County Land Records Viewer.
- D. Describe how and when site contamination was discovered.
Site contamination was first noticed during the Tank System Site Assessment in October 2004.
- E. Describe the type(s) and source(s) or suspected source(s) of contamination.
There were four (4) 4,000 gallon gasoline USTs containing unleaded and leaded gasoline and two (2) 560 gallon waste oil USTs on site believed to be the source of contamination.
- 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.
02-72-522339 Pioneer Bank - Former Judge's Cleaners
- H. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.
There are two BRRTS sites adjacent to the property, the Bauer property (BRRTS 03-72-262131) and the Heiting property (BRRTS 02-72-259035).

2. General Site Conditions

- A. Soil/Geology
- Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.
Soil consists primarily of a brown sandy clay. There were small lenses of gravel and clayey sand found in various borings and monitoring wells. Tank excavations were backfilled with sand. The overall permeability of the site subsurface is low.
 - Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.
Fill material, consisting of sand, is known to exist in the areas of the former Underground Storage Tanks (USTs). Including the four (4) 4,000-gallon gasoline USTs and one (1) 560-gallon waste/used oil UST located to the west of the onsite building and the one (1) 560-gallon waste/used oil located adjacent to the northeast corner of the onsite building.
 - Describe the depth to bedrock, bedrock type, competency and whether or not it was encountered during the investigation.
The bedrock is believed to be a Precambrian crystalline igneous or metamorphic rock located at approximately 50 feet Below Land Surface (bls). Bedrock was not encountered during the site investigation.
 - 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 entire parcel is covered with asphalt, concrete, or the on site building and foundation. The former Texaco station is located on the south property line.
- B. Groundwater
- 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 in the sandy clay varies from approximately 4 feet bls to 18 feet bls depending on well locations and seasonal fluctuations. Free product was encountered in monitoring well MW-4 in November 2007. In May 2008 AECOM installed oil-only absorbent socks into the well. The socks were periodically replaced by the property owner.

- ii. Discuss groundwater flow direction(s), shallow and deep. Describe and explain flow variations, including fracture flow if present.
Groundwater flow has remained consistent to the north/northeast despite slight fluctuations in groundwater elevation.
- iii. Discuss groundwater flow characteristics: hydraulic conductivity, flow rate and permeability, or state why this information was not obtained.
The overall permeability of the sandy clay is low with occasional coarse lenses providing higher permeability and conductivity. Published hydraulic conductivity values for the sandy clay are approximately 0.01 feet per day. Based on average horizontal gradients the flow velocity of the sandy clay is about 0.6 feet per year.
- 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).
There are no potable wells known to exist within 1200 feet.

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.

The subject property was used as a gas station from approximately 1959 through 1979. Four (4) 4,000-gallon (leaded/unleaded) gasoline USTs along with the associated dispenser and piping were reported as removed in late 1979.

In March and April 2004, AECOM (formerly Earth Tech, Inc.) conducted a Preliminary Investigation, which included the advancement of eight (8) hydraulic-push soil borings and installation of eight (8) temporary monitoring wells. Laboratory analytical data identified soil and groundwater contamination exceeding the applicable regulatory standards.

In the fall of 2004, the property owner located one (1) 4,000-gallon (leaded/unleaded) gasoline UST, which had been abandoned in place and filled with sand. In October 2004, AECOM oversaw the removal and cleaning of the one (1) 4,000-gallon UST along with one (1) 560-gallon fuel oil UST and one (1) 560-gallon waste/used oil UST from the subject property. Obvious petroleum impacted soil was identified adjacent to all three (3) removed USTs. AECOM submitted a Tank System Site Assessment report in September 2005 and an NR716 Site Investigation Report in May 2009.

REI has submitted the following reports since taking over the project.

- Update Report on February 16, 2018 with vapor analytical and groundwater analytical results
- Update Report on March 20, 2019 with groundwater analytical trends

- 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.
Unsaturated soil contamination exceeding the NR720 Groundwater Protection Pathway RCL values extends beyond the subject property into the right of way of South Central Avenue to the west. Unsaturated soil contamination extends approximately 10 feet into the right of way, measures approximately 20 feet wide at the property boundary and is present at depths ranging from two (2) feet bls to the water table (12 feet bls). Dissolved phase groundwater contamination also extends beyond the subject property boundaries into the right of way of South Central Avenue to the west and extends approximately ten (10) feet into the right of way and measures approximately 20 feet wide at the property boundary.

Vapor and sediment impacts are not present.

- 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.

The on-site property building is a structural impediment on the source property, however, the structure is included as part of the cap maintenance plan and is considered a performance standard barrier.

If the building were to be razed, remodeled, or moved in the future, the residual soil contamination beneath the current foundation should be reevaluated.

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 exceeding the NR 720 Groundwater Protection Pathway RCL for petroleum compounds is found near the center of the property extending west into the right-of-way including under property building. The NR 720

Direct Contact standard is exceeded at MW-4, near the former tank excavation area, and MW-5, east of the property building, at depths 3-4 ft bls.

There are no known intersection with underground utility lines so there are likely none acting as preferential migration pathways.

- ii. Describe the concentration(s) and types of soil contaminants found in the upper four feet of the soil column. Soil contamination exceeding the NR 720 Groundwater Protection Pathway standard is exceeded at MW-5, B-4, B-6, GP-2, and on the western side wall of tank 3 for petroleum compounds. MW-5 also has an exceedance of the NR 720 Direct Contact standard for naphthalene, ethylbenzene, and benzo(a) pyrene.
- 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.

Based on the property size and zoning the property is assessed at G2-Commercial by Wood County. As such the NR720 Non-Industrial Direct Contact and Groundwater RCL values were used as the soil cleanup standards for this site.

C. Groundwater

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

A dissolved phase groundwater contaminant plume exceeding the NR140 standards has formed at the water table in the area of the former 4,000-gallon gasoline USTs. The plume measures approximately ___ feet long and ___ feet wide. The extend of the plume appears to extend beneath the onsite building and groundwater is present approximately eight (8) to fourteen (14) feet below the structure.

- 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.

Based on AECOM's NR716 Site Investigation Report, free product was encountered in monitoring wells MW-4 during the first four (4) rounds of monitoring (November 2007, May 2008, August 2008, and December 2008). Recorded free product thickness measurements ranged from 0.64 feet (November 2007) to 0.01 feet (December 2008). In May 2008, passive oil collecting socks were installed in the well which were changed out periodically by the property owner. Following the December 2008 event, free product was not encountered in any of the site wells.

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.

A sub-slab vapor point was installed through the slab on grade concrete floor of the former Texaco Station on August 12, 2013. A sub-slab soil vapor sample was collected used a 6-liter Summa canister fitted with a 30-minute flow controller. Sample gas data was collected on 8/12/2013 and 1/10/2018 and analyzed for TO-15 VOC's. Laboratory analytical results showed no exceedances of the WDNR Small Commercial Sub-Slab Vapor Risk Screening Levels.

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

The subject property is assessed as commercial and was operated as a former Texaco station, hence the WDNR Small Commercial Sub-Slab Vapor Risk Screening Levels were used.

Laboratory analytical results showed no exceedances of the WDNR Small Commercial Sub-Slab Vapor Risk Screening Levels for either of the samples collected.

E. Surface Water and Sediment

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

Surface water and/or sediment was not impacted and therefore not assessed.

- 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.

Surface water and/or sediment was not impacted and therefore not assessed.

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.

In October 2004, AECOM (formerly Earth Tech) supervised for removal of one (1) 4,000-gallon gasoline UST which had

been abandoned in place in late 1979 along with one (1) 560-gallon fuel oil UST and one (1) 560-gallon waste/used oil UST. During the UST removal, obvious petroleum contamination was identified at all three (3) tank locations. Over excavation activities were conducted in an attempt to remove the most highly impacted material from the site. Approximately 50 cubic yards of contaminated soil was excavated from the three (3) UST locations.

Free product was encountered in monitoring well MW-4 in November 2007. In May 2008 AECOM installed oil-only absorbent socks into the well. The socks were periodically replaced by the property owner. Used socks were stored in a steel 55-gallon drum for later disposal.

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

In October 2004, AECOM (formerly Earth Tech) supervised the removal of three (3) USTs from the subject property. After obvious petroleum contamination was identified in the tank beds of all three (3) USTs, over-excavation activities were conducted in an attempt to remove the impacted materials from the site.

After free product was encountered in monitoring wells MW-4, AECOM installed oil-only absorbent socks into the well to recover the product.

- 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.

In October 2004, AECOM (formerly Earth Tech) supervised the over-excavation of three (3) USTs removed from the property. The excavation conducted in the area of the removed 4,000-gallon gasoline UST (Tank 2) to a maximum depth of ten (10) feet bls. The excavation in the area of the removed 560-gallon fuel oil UST (Tank 1) extended to a maximum depth of 7 feet bls. The excavation in the area of the removed 560-gallon used/waste oil UST (Tank 3) extended to a maximum depth of 4 feet bls. Approximately 50 cubic yards of impacted soil was excavated in total from the three excavation areas. Laboratory analytical results identified residual contamination exceeding the applicable NR720 soil standards for base and sidewall samples collected from the excavations completed in the area of the removed 4,000-gallon gasoline UST and 560-gallon used/waste oil UST. Analytical results identified no exceedances for confirmation samples collected from the base or sidewalls of the excavation completed in the area of the removed 560-gallon fuel oil UST.

Free product was encountered in monitoring well MW-4 in November 2007 and continued to be present for the next three (3) rounds of monitoring. In May 2008, AECOM installed oil-only absorbent socks into the well. The socks were periodically replaced by the property owner. Used socks were stored in a steel 55-gallon drum for later disposal. Initially 0.64 feet of product was encountered in monitoring well MW-4. In May 2008 and August 2008, following the installation of the absorbent sock, 0.02 feet of product was encountered and by December 2008 free product thickness had decreased to 0.01 feet. In November 2012, when the project was restarted, no free product was encountered in monitoring well MW-4 and product has been encountered during any work completed by REI.

- 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.

Over excavated material and soil from the tank removals were transferred to the Cranberry Creek Landfill in Wisconsin Rapids.

- 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.

Based on the average water table in the area at 12 feet bls there remains a contaminated chlorinated groundwater plume extending from PZ-2 to MW-4 and is approximately 100 feet long and 30 feet wide at its widest. Contaminated unsaturated soil was found present in the same area including GP-3, B-4, and B-6. The soil contamination and dissolved phase groundwater plume extend onto the right of way to the west.

- 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.

The NR 720 standard for Direct Contact was exceeded in MW-5 at 3-4 feet bls for ethylbenzene and naphthalene .

- 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.

Unsaturated soil contamination in the soil column exceeding the NR 720 Groundwater Pathway RCL for petroleum compounds consist of the following:

MW-5 (3-4 feet bls) - 1,2,4- Trimethylbenzene and 1,2,5-Trimethylbenzene (TMB), 4-Isopropyltoluene, Benzene, Bromomethane, Ethylbenzene, Naphthalene, Toluene, and Xylenes (total)

B-4 (2-4 feet bls) - Benzene

B-6 (2-4 feet bls) - Benzene

GP-2 (9-10 feet bls) - Ethylbenzene, Naphthalene, 1,2,4-Trimethylbenzene, and 1,2,5-Trimethylbenzene

GP-3 (7-8 feet bls, 10-11 feet bls) - 1,2,4-Trimethylbenzene and 1,2,5-Trimethylbenzene (TMB), Benzene, Ethylbenzene, and Naphthalene.

PZ-2 (5-7 feet bls) - 1,2,4- Trimethylbenzene and 1,2,5-Trimethylbenzene (TMB)

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

Residual soil and groundwater contamination will be addressed through natural attenuation. The existing concrete and asphalt pavement and the building foundation will be maintained in order to eliminate the potential for direct contact and limit infiltration which would result in contaminant loading of groundwater.

- 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 groundwater analytical data, there has been a reduction in the petroleum compounds with generally decreasing/stable trends across the site.

The three additional (3) sampling events in 2018 support this conclusion. The degree and extent of contamination has been defined and significant migration has not been identified over the life of the investigation.

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

Vapor sampling was conducted in 2013 and 2018 to rule out vapor intrusion into the property building.

Residual soil and groundwater contamination will be addressed through natural attenuation.

- K. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain.
No active remedial systems were installed as part of this site investigation so no system hardware is anticipated to be left in place after the site closure.

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

This site will be placed on BRRTS with a GIS Registry listing for both soil and groundwater so no exemption is required.

- 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.

Analytical results showed no exceedances of the WDNR Small Commercial Sub-Slab Vapor Risk Screening Levels for the sub-slab vapor samples collected in 2013 and 2018.

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

No surface water or sediment samples were collected as part of the site investigation.

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

6. Underground Storage Tanks

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

General Instructions

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

Data Tables (Attachment A)

Directions for Data Tables:

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

A. Data Tables

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

Maps, Figures and Photos (Attachment B)

Directions for Maps, Figures and Photos:

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

B.1. Location Maps

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

B.2. Soil Figures

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

B.3. Groundwater Figures

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

B.4. Vapor Maps and Other Media

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

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

Documentation of Remedial Action (Attachment C)

Directions for Documentation of Remedial Action:

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

Maintenance Plan(s) and Photographs (Attachment D)

Directions for Maintenance Plans and Photographs:

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

- D.1. **Descriptions of maintenance action(s) required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required:**
 - Provide brief descriptions of the type, depth and location of residual contamination.

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

Monitoring Well Information (Attachment E)

Directions for Monitoring Well Information:

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

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

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

A response action(s) for this site addresses groundwater contamination (including natural attenuation remedies).

The response action(s) for this site addresses media other than groundwater.

Engineering Certification

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

Matthew Spindler
Printed Name

Project Engineer
Title

Signature

Date

P.E. Stamp and Number

Hydrogeologist Certification

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

David Larsen
Printed Name

Senior Hydrogeologist
Title

Signature

Date

Attachment A: Data Tables

Items Bolded Apply to This Closure Request

A.1. Groundwater Analytical Tables

- A.1.a. Groundwater Analytical Table – MW1**
- A.1.b. Groundwater Analytical Table – MW2**
- A.1.c. Groundwater Analytical Table – MW3**
- A.1.d. Groundwater Analytical Table – MW4**
- A.1.e. Groundwater Analytical Table – MW5**
- A.1.f. Groundwater Analytical Table – MW6**
- A.1.g. Groundwater Analytical Table – MW7**
- A.1.h. Groundwater Analytical Table – MWB-7**
- A.1.i. Groundwater Analytical Table – MW8**
- A.1.j. Groundwater Analytical Table – MW9**
- A.1.k. Groundwater Analytical Table – MW10**
- A.1.l. Groundwater Analytical Table – PZ1**
- A.1.m. Groundwater Analytical Table – PZ2**

A.2. Soil Analytical Results Tables

- A.2.a. Soil Analytical Results – 2012 Geoprobe Sampling Results**
- A.2.b. Soil Analytical Results – 2004 Boring Sampling Results**
- A.2.c. Soil Analytical Results – 2004 TSSA Soil Sampling Results**
- A.2.d. Soil Analytical Results – 2008 Monitoring Well Sampling Results**

A.3. Residual Soil Contamination Tables

A.4. Vapor Analytical Tables

A.5. Other Media of Concern – Not applicable, no other media of concern was identified during investigation.

A.6. Water Level Elevations

A.7. Other – Not applicable

Table A.1.a
Groundwater Analytical Table
Pioneer Bank / Former Judges Cleaners
Marshfield, WI

Sample Location				MW1			
Sample Collected By				AECOM			
Date				11/20/2007	5/29/2008	8/12/2008	12/3/2008
VOC Parameters	ES	PAL	Units				
Benzene	5	0.5	µg/L	14,400	523	1,420	694
Toluene	800	160	µg/L	<400	8.59	6.54	<3.00
Ethylbenzene	700	140	µg/L	<i>547</i>	27.4	49.9	20.6
Xylenes (mixed isomers)	2,000	400	µg/L	< 600	17.78	12.31	26.1 ^J
Methyl tert-Butyl Ether (MTBE)	60	12	µg/L	NA	9.79	4.78	<i>54.3</i>
Trimethylbenzenes (mixed isomers)	480	96	µg/L	443	42.6	40.8	18.4 ^J
Naphthalene	100	10	µg/L	<1,000	1.56	86.7	6.41
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	324	NA	NA	NA
cis-1,2-Dichloroethene	70	7	µg/L	<200	NA	NA	NA
trans-1,2-Dichloroethene	100	20	µg/L	<200	NA	NA	NA
Tetrachloroethene (PCE)	5	0.5	µg/L	<300	NA	NA	NA
Trichloroethene (TCE)	5	0.5	µg/L	<200	NA	NA	NA
Vinyl chloride	0.2	0.02	µg/L	<200	NA	NA	NA
Inorganic Parameters							
Dissolved Cadmium	5	0.5	µg/L	<0.20	NA	NA	NA
Dissolved Iron	300	150	µg/L	31	NA	NA	NA
Dissolved Lead	15	1.5	µg/L	<i>6.54</i>	0.97	<i>2.26</i>	< 0.60
Dissolved Manganese	50	25	µg/L	1,190	NA	NA	NA
Total Nitrate/Nitrite as N	10	2	mg/L	<0.10	NA	NA	NA
Total Sulfate	250	125	mg/L	40.3	NA	NA	NA
Field Measurements							
Temperature	-	-	°F	57.74	48.88	57.42	54.43
Conductivity	-	-	µmhos/cm	NA	1,039	943	953
pH	-	-	s.u.	NA	6.66	6.77	6.48
Dissolved Oxygen	-	-	mg/L	0.73	0.64	0.18	0.18
Oxidation Reduction Potential	-	-	mV	149	39.4	16.9	-11.5

Well Lost To
Road
Construction

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

µg/L = parts per billion

mg/L = parts per million

Enforcement Standard exceeded

BOLD

Preventive Action Limit exceeded

Italics

NA = Not Analyzed

NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

µg/L = parts per billion

mg/L = parts per million

**Table A.1.b
Groundwater Analytical Table
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin**

Sample Location				AECOM				MW2		REI			
Sample Collected By								REI		REI			
Date				11/20/2007	5/30/2008	8/11/2008	12/3/2008	11/7/2012	8/12/2013	1/10/2018	4/26/2018	7/19/2018	10/18/2018
VOC Parameters	ES	PAL	Unit										
Benzene	5	0.5	µg/l	<2	49.4	10.3	<0.310	<0.41	<0.50	<0.50	<0.25	<0.25	
Toluene	800	160	µg/l	<i>188</i>	20.8	5.37	6.06	<0.67	<0.44	<0.50	<0.50	<0.17	<0.17
Ethylbenzene	700	140	µg/l	<i>230</i>	45.5	17.6	9.6	<0.54	<0.50	<0.50	<0.50	<0.22	<0.22
Xylenes (mixed isomers)	2,000	400	µg/l	2,606	43.3	20.14	6.29 ^J	<1.8	<0.82	<1.50	<1.50	<1.50	<0.47
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	NA	<i>16.4</i>	1.98	3.92	<0.61	<0.49	<0.17	<0.17	<1.2	<1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	1,195	54.8	32.2	6.8	<0.97	<2.5	<0.50	<0.50	<0.87	<0.87
Naphthalene	100	10	µg/l	139	5.69	0.257 ^J	0.313 ^J	<0.89	<2.5	<2.5	<2.5	<1.2	<1.2
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	<2	NA	NA	NA	<0.45	<0.48	<0.17	<0.17	<0.28	<0.28
cis-1,2-Dichloroethene	70	7	µg/L	<2	NA	NA	NA	<0.83	<0.42	3.0	<0.26	<0.27	<0.27
trans-1,2-Dichloroethene	100	20	µg/L	<2	NA	NA	NA	<0.89	<0.37	<0.26	<0.26	<1.1	<1.1
Tetrachloroethene (PCE)	5	0.5	µg/L	<3	NA	NA	NA	<0.45	<0.47	5.4	<i>0.56^J</i>	<0.33	<0.33
Trichloroethene (TCE)	5	0.5	µg/L	<2	NA	NA	NA	<0.48	<0.43	3.4	<i>0.38^J</i>	<0.26	<0.26
Vinyl chloride	0.2	0.02	µg/L	<2	NA	NA	NA	<0.18	<0.18	<0.18	<0.18	<0.17	<0.17
Inorganic Parameters													
Dissolved Cadmium	5	0.5	µg/L	<0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	300	150	µg/L	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Lead	15	1.5	µg/L	<i>14.8</i>	<i>3.95^J</i>	<i>1.38^J</i>	<i>0.91^J</i>	NA	NA	NA	NA	NA	NA
Dissolved Manganese	50	25	µg/L	1,030	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrate/Nitrite as N	10	2	mg/L	<0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfate	250	125	mg/L	20.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Measurements													
Temperature	-	-	°F	NA	50.34	58.96	56.39	61.44	NA	52.70	54.57	56.40	62.80
Conductivity	-	-	µmhos/cm	NA	5,625	3,814	2,648	8,071	NA	8,918	13,139	10,231	14,029
pH	-	-	s.u.	NA	6.44	6.67	6.38	6.39	NA	6.09	5.39	7.95	6.31
Dissolved Oxygen	-	-	mg/L	NA	0.30	0.23	0.15	0.57	NA	6.53	5.08	1.27	1.74
Oxidation Reduction Potential	-	-	mV	75	6.4	-46.3	-7.3	131.6	NA	49.3	17.3	116.0	171.3

Project Stalled

Project Stalled

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

µg/L = parts per billion

mg/L = parts per million

Enforcement Standard exceeded

BOLD
<i>Italics</i>

Preventive Action Limit exceeded

NA = Not Analyzed

NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

**Table A.1.c
Groundwater Analytical Table
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin**

Sample Location				AECOM				MW3		REI			
Sample Collected By								REI					
Date				11/20/2007	5/29/2008	8/11/2008	12/2/2008	11/7/2012	8/12/2013	1/10/2018	4/26/2018	7/19/2018	10/18/2018
VOC Parameters	ES	PAL	Unit										
Benzene	5	0.5	µg/l	<0.20	<1.00	<0.310	<0.310	<0.41	<0.50	<0.50	<0.50	<0.25	<0.25
Toluene	800	160	µg/l	<0.40	<0.300	<3.00	<0.300	<0.67	<0.44	<0.50	<0.50	<0.17	<0.17
Ethylbenzene	700	140	µg/l	<0.10	<1.70	<0.500	<0.500	<0.54	<0.50	<0.50	<0.50	<0.22	<0.22
Xylenes (mixed isomers)	2,000	400	µg/l	< 0.60	<0.980	<0.980	<0.980	<1.8	<0.82	<1.50	<1.50	<1.50	<0.47
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	NA	<0.300	<0.300	<0.300	<0.61	<0.49	<0.17	<0.17	<1.2	<1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	<0.20	<0.400	<0.400	<0.400	<0.97	<2.5	<0.50	<0.50	<0.87	<0.87
Naphthalene	100	10	µg/l	<1.00	<0.110	<0.118	<0.110	<0.89	<2.5	<2.5	<2.5	<1.2	<1.2
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	<0.20	NA	NA	NA	<0.36	<0.48	<0.17	<0.17	<0.28	<0.28
cis-1,2-Dichloroethene	70	7	µg/L	<0.20	NA	NA	NA	<0.83	<0.42	<0.26	<0.26	<0.27	<0.27
trans-1,2-Dichloroethene	100	20	µg/L	<0.20	NA	NA	NA	<0.89	<0.37	<0.26	<0.26	<1.1	<1.1
Tetrachloroethene (PCE)	5	0.5	µg/L	<0.30	NA	NA	NA	<0.45	<0.47	<0.50	<0.50	<0.33	<0.33
Trichloroethene (TCE)	5	0.5	µg/L	<0.20	NA	NA	NA	<0.48	<0.43	<0.33	<0.33	<0.26	<0.26
Vinyl chloride	0.2	0.02	µg/L	<0.20	NA	NA	NA	<0.18	<0.18	<0.18	<0.18	<0.17	<0.17
Inorganic Parameters													
Dissolved Cadmium	5	0.5	µg/L	<0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	300	150	µg/L	<0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Lead	15	1.5	µg/L	< 0.30	< 1.50	< 6.0	< 0.60	NA	NA	NA	NA	NA	NA
Dissolved Manganese	50	25	µg/L	909	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrate/Nitrite as N	10	2	mg/L	1.08	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfate	250	125	mg/L	6.08	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Measurements													
Temperature	-	-	°F	59.72	50.94	53.08	56.71	62.02	NA	54.81	50.72	59.35	61.0
Conductivity	-	-	µmhos/cm	NA	10,322	2,696	6,923	5,139	NA	5,876	7,580	9,668	10,641
pH	-	-	s.u.	NA	6.09	6.35	6.05	5.60	NA	5.05	5.10	6.51	5.40
Dissolved Oxygen	-	-	mg/L	6.08	0.77	0.46	0.28	6.39	NA	5.02	10.59	5.26	3.64
Oxidation Reduction Potential	-	-	mV	160	175	105.7	170.1	142.8	NA	105.1	54.8	167.6	206.5

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

µg/L = parts per billion

mg/L = parts per million

Enforcement Standard exceeded

BOLD
<i>Italics</i>

Preventive Action Limit exceeded

NA = Not Analyzed

NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

**Table A.1.d
Groundwater Analytical Table
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin**

Sample Location				AECOM				MW4		REI			
Sample Collected By				Date				REI		REI			
				11/20/2007	5/28/2008	8/11/2008	12/2/2008	11/7/2012	8/12/2013	1/10/2018	4/26/2018	7/19/2018	10/18/2018
VOC Parameters	ES	PAL	Unit										
Benzene	5	0.5	µg/l					43.9	127	25.1	35.7	28.5	41.6
Toluene	800	160	µg/l					<i>209</i>	1,020	8.0	11.2	5.7	5.9 ^J
Ethylbenzene	700	140	µg/l					<i>521</i>	960	360	540	441	514
Xylenes (mixed isomers)	2,000	400	µg/l					<i>942</i>	2,421	360	887	533	433.3
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l					<2.4	<4.9	<0.35	<0.87	<6.2	<6.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l					<i>236</i>	671	435	570	401.3	429
Naphthalene	100	10	µg/l					205	391	68.8	83.9	74.3	65.1
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L					<1.4	<4.8	<0.34	<0.84	<1.4	<1.4
cis-1,2-Dichloroethene	70	7	µg/L					<3.3	<4.2	<0.51	<1.3	<1.4	<1.4
trans-1,2-Dichloroethene	100	20	µg/L	Free	Free	Free	Free	<3.6	<3.7	<0.51	<1.3	<5.5	<5.5
Tetrachloroethene (PCE)	5	0.5	µg/L	Product	Product	Product	Product	<1.8	<4.7	<1.0	<2.5	<1.6	<1.6
Trichloroethene (TCE)	5	0.5	µg/L	In Well	In Well	In Well	In Well	<1.9	<4.3	<0.66	<1.7	<1.3	<1.3
Vinyl chloride	0.2	0.02	µg/L	Not	Not	Not	Not	<0.72	<1.8	<0.35	<1.8	<0.87	<0.87
Inorganic Parameters				Sampled	Sampled	Sampled	Sampled						
Dissolved Cadmium	5	0.5	µg/L					NA	NA	NA	NA	NA	NA
Dissolved Iron	300	150	µg/L					NA	NA	NA	NA	NA	NA
Dissolved Lead	15	1.5	µg/L					NA	NA	NA	NA	NA	NA
Dissolved Manganese	50	25	µg/L					NA	NA	NA	NA	NA	NA
Total Nitrate/Nitrite as N	10	2	mg/L					NA	NA	NA	NA	NA	NA
Total Sulfate	250	125	mg/L					NA	NA	NA	NA	NA	NA
Field Measurements													
Temperature	-	-	°F					58.96	NA	48.63	47.65	59.17	60.6
Conductivity	-	-	µmhos/cm					8,141	NA	11,895	13,231	14,870	14,344
pH	-	-	s.u.					6.39	NA	6.46	5.70	10.63	6.56
Dissolved Oxygen	-	-	mg/L					1.56	NA	0.82	7.27	1.23	1.13
Oxidation Reduction Potential	-	-	mV					-130.2	NA	-153.9	-132.4	-97.9	-104.4

Notes:

- ES = NR140.10 Enforcement Standards
- PAL = NR140.10 Preventive Action Limits
- µg/L = parts per billion
- mg/L = parts per million
- Enforcement Standard exceeded **BOLD**
- Preventive Action Limit exceeded *Italics*
- NA = Not Analyzed
- NS = Not Sampled
- J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

BOLD
<i>Italics</i>

Table A.1.e
Groundwater Analytical Table
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Sample Location				AECOM				MWS		REI			
Sample Collected By				11/20/2007	5/30/2008	8/12/2008	12/3/2008	11/7/2012	8/12/2013	1/10/2018	4/26/2018	7/19/2018	10/18/2018
Date								REI		REI			
Date								11/7/2012	8/12/2013	1/10/2018	4/26/2018	7/19/2018	10/18/2018
VOC Parameters	ES	PAL	Unit										
Benzene	5	0.5	µg/l	80.6	41.9	83.8	62.9	32.1	20.9	79.5	3.3	170	139
Toluene	800	160	µg/l	<20.0	1.43	1.44	1.78 ^J	<16.8	<8.8	<10.0	<0.50	1.4	1.1 ¹
Ethylbenzene	700	140	µg/l	<5.00	1.25 ^J	<0.500	0.808	<13.5	<10.0	<10.0	<0.50	<0.22	<0.22
Xylenes (mixed isomers)	2,000	400	µg/l	12.4	3.46 ^J	<0.980	0.605 ^J	<45	<16.3	<30.0	<1.5	<1.5	<0.47
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	NA	<0.300	<0.300	<0.300	<15.2	<9.9	<3.5	<0.17	<1.2	<1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	27	1.16 ^J	<0.400	<0.400	< 24.2	<50	<10.0	<0.50	<0.87	<0.87
Naphthalene	100	10	µg/l	<50.0	<0.113	<0.117	<0.112	< 22.2	<50	<50.0	<2.5	<1.2	<1.2
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	<10.0	NA	NA	NA	<9.0	<9.5	<3.4	<i>2.1</i>	5.9	6.0
cis-1,2-Dichloroethene	70	7	µg/L	2,350	NA	NA	NA	2,340	1,550	1,690	1,130	1,680	1,390
trans-1,2-Dichloroethene	100	20	µg/L	184	NA	NA	NA	<i>32.0</i>	<i>31.9</i>	<i>51.7</i>	11.3	<i>22.9</i>	<i>23.3</i>
Tetrachloroethene (PCE)	5	0.5	µg/L	2,680	NA	NA	NA	553	291	179	175	218	215
Trichloroethene (TCE)	5	0.5	µg/L	2,910	NA	NA	NA	605	388	410	251	348	312
Vinyl chloride	0.2	0.02	µg/L	<10.0	NA	NA	NA	<4.5	<3.7	<3.5	<0.18	2.9	<0.17
Inorganic Parameters													
Dissolved Cadmium	5	0.5	µg/L	<0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	300	150	µg/L	<10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Lead	15	1.5	µg/L	0.36	<0.60	<0.60	<0.60	NA	NA	NA	NA	NA	NA
Dissolved Manganese	50	25	µg/L	474	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrate/Nitrite as N	10	2	mg/L	<0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfate	250	125	mg/L	26.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Measurements													
Temperature	-	-	°F	57.74	53.08	56.77	57.15	60.23	NA	54.73	52.74	59.06	61.3
Conductivity	-	-	µmhos/cm	NA	2,696	1,845	1,428	1,899	NA	1,673	3,117	2,762	3,062
pH	-	-	s.u.	NA	6.35	6.37	6.15	6.29	NA	6.13	5.07	7.34	6.13
Dissolved Oxygen	-	-	mg/L	3.68	0.46	0.16	0.37	1.87	NA	4.27	4.47	1.10	1.01
Oxidation Reduction Potential	-	-	mV	166	105.7	139.1	55.4	145.2	NA	59.8	22.2	123.6	166.6

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

µg/L = parts per billion

mg/L = parts per million

Enforcement Standard exceeded

BOLD

Preventive Action Limit exceeded

Italics

NA = Not Analyzed

NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

**Table A.1.f
Groundwater Analytical Table
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin**

Sample Location				AECOM				MW6		REI			
Sample Collected By				Date				REI		REI			
				11/20/2007	5/28/2008	8/11/2008	12/2/2008	11/7/2012	8/12/2013	1/10/2018	4/26/2018	7/19/2018	10/18/2018
VOC Parameters	ES	PAL	Unit										
Benzene	5	0.5	µg/l	<0.20	<0.310	<0.310	<0.310	<0.41	<0.50	<0.50	<0.50	<0.25	<0.25
Toluene	800	160	µg/l	<0.40	<0.300	<0.300	<0.300	<0.67	<0.44	<0.50	<0.50	<0.17	<0.17
Ethylbenzene	700	140	µg/l	<0.10	<0.500	<0.500	<0.500	<0.54	<0.50	<0.50	<0.50	<0.22	<0.22
Xylenes (mixed isomers)	2,000	400	µg/l	<0.60	<0.980	<0.980	<0.980	<1.8	<0.82	<1.5	<1.5	<1.5	<0.47
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	NA	<0.300	<0.300	<0.300	<0.61	<0.49	<0.17	<0.17	<1.2	<1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	<0.20	<0.400	<0.400	<0.400	<0.97	<2.5	<0.50	<0.50	<0.87	<0.87
Naphthalene	100	10	µg/l	<1.00	<0.110	<0.147	<0.110	<0.89	<2.5	<2.5	<2.5	<1.2	<1.2
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	<0.20	NA	NA	NA	<0.75	<0.48	<0.17	<0.17	<0.28	<0.28
cis-1,2-Dichloroethene	70	7	µg/L	<0.20	NA	NA	NA	<0.83	<0.42	<0.26	<0.26	<0.27	<0.27
trans-1,2-Dichloroethene	100	20	µg/L	<0.20	NA	NA	NA	<0.89	<0.37	<0.26	<0.26	<0.27	<1.1
Tetrachloroethene (PCE)	5	0.5	µg/L	<0.30	NA	NA	NA	<0.45	<0.47	<0.50	<0.50	<0.33	<0.33
Trichloroethene (TCE)	5	0.5	µg/L	<0.20	NA	NA	NA	<0.48	<0.43	<0.33	<0.33	<0.26	<0.26
Vinyl chloride	0.2	0.02	µg/L	<0.20	NA	NA	NA	<0.18	<0.18	<0.18	<0.18	<0.17	<0.17
Inorganic Parameters													
Dissolved Cadmium	5	0.5	µg/L	<0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	300	150	µg/L	<10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Lead	15	1.5	µg/L	<0.30	<0.60	<0.60	<0.60	NA	NA	NA	NA	NA	NA
Dissolved Manganese	50	25	µg/L	277	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrate/Nitrite as N	10	2	mg/L	0.81	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfate	250	125	mg/L	144	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Measurements													
Temperature	-	-	°F	59.00	50.83	63.10	56.75	60.42	NA	52.01	48.57	60.05	61.6
Conductivity	-	-	µmhos/cm	NA	1,373	1,167	1,412	2,365	NA	1,785	631	2,157	2,892
pH	-	-	s.u.	NA	5.19	5.91	5.52	5.42	NA	5.02	5.90	6.16	5.32
Dissolved Oxygen	-	-	mg/L	3.84	2.84	3.58	1.80	4.13	NA	4.45	7.13	5.78	4.07
Oxidation Reduction Potential	-	-	mV	147	181	175.3	194.3	146.9	NA	115.4	54.7	175.2	235.7

Project Stalled

Project Stalled

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

µg/L = parts per billion

mg/L = parts per million

Enforcement Standard exceeded

BOLD
<i>Italics</i>

Preventive Action Limit exceeded

NA = Not Analyzed

NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

**Table A.1.g
Groundwater Analytical Table
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin**

Sample Location				MW7				MW7R	
Sample Collected By				AECOM				REI	
Date				11/20/2007	5/29/2008	8/11/2008	12/2/2008	11/7/2012	REI
								8/12/2013	1/10/2018
VOC Parameters	ES	PAL	Unit						
Benzene	5	0.5	µg/l	<0.20	<0.310	<0.310	<0.310		<0.50
Toluene	800	160	µg/l	<0.40	<0.300	<0.300	<0.300		<0.44
Ethylbenzene	700	140	µg/l	<0.10	<0.500	<0.500	<0.500		<0.50
Xylenes (mixed isomers)	2,000	400	µg/l	<0.60	<0.980	<0.980	<0.980		<0.82
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	NA	<0.300	<0.300	<0.300		<0.49
Trimethylbenzenes (mixed isomers)	480	96	µg/l	<0.20	<0.400	<0.400	<0.400		<2.5
Naphthalene	100	10	µg/l	<1.00	<0.110	<0.121	<0.115		<2.5
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	<0.20	NA	NA	NA		<0.48
cis-1,2-Dichloroethene	70	7	µg/L	<0.20	NA	NA	NA		<0.42
trans-1,2-Dichloroethene	100	20	µg/L	<0.20	NA	NA	NA		<0.37
Tetrachloroethene (PCE)	5	0.5	µg/L	<0.30	NA	NA	NA		<0.47
Trichloroethene (TCE)	5	0.5	µg/L	<0.20	NA	NA	NA		<0.43
Vinyl chloride	0.2	0.02	µg/L	<0.20	NA	NA	NA		<0.18
Inorganic Parameters									
Dissolved Cadmium	5	0.5	µg/L	<0.20	NA	NA	NA		NA
Dissolved Iron	300	150	µg/L	<10.0	NA	NA	NA		NA
Dissolved Lead	15	1.5	µg/L	<0.30	<1.50	<0.60	<0.60		NA
Dissolved Manganese	50	25	µg/L	492	NA	NA	NA		NA
Total Nitrate/Nitrite as N	10	2	mg/L	<i>6.81</i>	NA	NA	NA		NA
Total Sulfate	250	125	mg/L	312	NA	NA	NA		NA
Field Measurements									
Temperature	-	-	°F	56.66	49.48	55.47	55.42		NA
Conductivity	-	-	µmhos/cm	NA	2,018	2,532	2,926		NA
pH	-	-	s.u.	NA	6.54	6.48	6.11		NA
Dissolved Oxygen	-	-	mg/L	6.13	5.58	3.38	4.50		NA
Oxidation Reduction Potential	-	-	mV	136	134.7	112.4	147.7		NA

Project Stalled

Well Lost to Road Construction

Well Abandoned during Building Development

Notes:

ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits

µg/L = parts per billion
mg/L = parts per million

Enforcement Standard exceeded **BOLD**
Preventive Action Limit exceeded *Italics*

NA = Not Analyzed
NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table A.1.h
Groundwater Analytical Table
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Sample Location				MWB-7							
Sample Collected By				REI		REI					
Date				11/7/2012	8/12/2013	1/10/2018	4/26/2018	7/19/2018	10/18/2018		
VOC Parameters	ES	PAL	Unit								
Benzene	5	0.5	µg/l	<0.41	<0.50	<0.50	<0.50	<0.25	<0.25		
Toluene	800	160	µg/l	<0.67	<0.44	<0.50	<0.50	<0.17	<0.17		
Ethylbenzene	700	140	µg/l	<0.54	<0.50	<0.50	<0.50	<0.22	<0.22		
Xylenes (mixed isomers)	2,000	400	µg/l	<1.8	<0.82	<1.50	<1.50	<1.50	<0.47		
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	<0.61	<0.49	<0.17	<0.17	<1.2	<1.2		
Trimethylbenzenes (mixed isomers)	480	96	µg/l	<0.97	<2.5	<0.50	<0.50	<0.87	<0.87		
Naphthalene	100	10	µg/l	<0.89	<2.5	<2.5	<2.5	<1.2	<1.2		
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	<i>1.0</i>	<0.48	<0.17	<0.17	<0.28	<0.28		
cis-1,2-Dichloroethene	70	7	µg/L	<0.83	<0.42	1.4	<0.26	<0.27	1.4		
trans-1,2-Dichloroethene	100	20	µg/L	<0.89	<0.37	<0.26	<0.26	<0.27	<0.26		
Tetrachloroethene (PCE)	5	0.5	µg/L	<i>0.90^J</i>	<i>0.71^J</i>	<i>2.8</i>	<0.50	<0.33	<0.33		
Trichloroethene (TCE)	5	0.5	µg/L	<i>1.4</i>	<i>0.74^J</i>	<i>1.9</i>	<0.33	<0.26	<0.26		
Vinyl chloride	0.2	0.02	µg/L	<0.18	<0.18	<0.18	<0.18	<0.17	<0.18		
Inorganic Parameters											
Dissolved Cadmium	5	0.5	µg/L	NA	NA	NA	NA	NA	NA		
Dissolved Iron	300	150	µg/L	NA	NA	NA	NA	NA	NA		
Dissolved Lead	15	1.5	µg/L	NA	NA	NA	NA	NA	NA		
Dissolved Manganese	50	25	µg/L	NA	NA	NA	NA	NA	NA		
Total Nitrate/Nitrite as N	10	2	mg/L	NA	NA	NA	NA	NA	NA		
Total Sulfate	250	125	mg/L	NA	NA	NA	NA	NA	NA		
Field Measurements											
Temperature	-	-	°F	60.23	NA	52.11	46.31	61.92	60.6		
Conductivity	-	-	µmhos/cm	2,347	NA	17,700	44,168	46,941	50,083		
pH	-	-	s.u.	5.95	NA	5.84	4.53	7.25	5.70		
Dissolved Oxygen	-	-	mg/L	0.57	NA	3.1	5.01	3.86	1.07		
Oxidation Reduction Potential	-	-	mV	-12.3	NA	60.9	57.4	143.1	201.2		

Project Stalled

Notes:

- ES = NR140.10 Enforcement Standards
- PAL = NR140.10 Preventive Action Limits
- µg/L = parts per billion
- mg/L = parts per million
- Enforcement Standard exceeded **BOLD**
- Preventive Action Limit exceeded *Italics*
- NA = Not Analyzed
- NS = Not Sampled
- J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

BOLD
<i>Italics</i>

Table A.1.i
Groundwater Analytical Table
MW8
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Sample Location				AECOM			MW8		REI			
Sample Collected By				Date			REI		REI			
				5/30/2008	8/11/2008	12/2/2008	11/7/2012	8/12/2013	1/10/2018	4/26/2018	7/19/2018	10/18/2018
VOC Parameters	ES	PAL	Unit									
Benzene	5	0.5	µg/l	<0.20	<0.310	<0.310	<0.41	<0.50	<0.50	<0.50	<0.25	<0.25
Toluene	800	160	µg/l	<0.40	<0.300	<0.300	<0.67	<0.44	<0.50	<0.50	<0.17	<0.17
Ethylbenzene	700	140	µg/l	<0.20	<0.500	<0.500	<0.54	<0.50	<0.50	<0.50	<0.22	<0.22
Xylenes (mixed isomers)	2,000	400	µg/l	<0.60	<0.980	<0.980	<1.8	<0.82	<1.50	<1.50	<1.50	<0.47
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	<0.50	<0.300	<0.300	<0.61	<0.49	<0.17	<0.17	<1.2	<1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	<0.20	<0.400	<0.400	<0.97	<2.5	<0.50	<0.50	<0.87	<0.87
Naphthalene	100	10	µg/l	<1.00	<0.121	<0.110	<0.89	<2.5	<2.5	<2.5	<1.2	<1.2
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	<0.30	NA	NA	<0.75	<0.48	<0.17	<0.17	<0.28	<0.28
cis-1,2-Dichloroethene	70	7	µg/L	<0.30	NA	NA	<0.83	<0.42	<0.26	<0.26	<1.1	<0.27
trans-1,2-Dichloroethene	100	20	µg/L	<0.20	NA	NA	<0.89	<0.37	<0.26	<0.26	<1.1	<1.1
Tetrachloroethene (PCE)	5	0.5	µg/L	<0.30	NA	NA	<0.45	<0.47	<0.50	<0.50	<0.33	<0.33
Trichloroethene (TCE)	5	0.5	µg/L	<0.40	NA	NA	<0.48	<0.43	<0.33	<0.33	<0.26	<0.26
Vinyl chloride	0.2	0.02	µg/L	<0.20	NA	NA	<0.18	<0.18	<0.18	<0.18	<0.18	<0.17
Inorganic Parameters												
Dissolved Cadmium	5	0.5	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	300	150	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Lead	15	1.5	µg/L	<0.60	<0.60	<0.60	NA	NA	NA	NA	NA	NA
Dissolved Manganese	50	25	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrate/Nitrite as N	10	2	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfate	250	125	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Measurements												
Temperature	-	-	°F	49.23	56.48	55.53	57.19	NA	49.42	44.34	57.36	59.70
Conductivity	-	-	µmhos/cm	1,220	1,017	1,164	1,077	NA	840	1,156	1,205	1,697
pH	-	-	s.u.	6.09	6.10	5.68	5.61	NA	5.75	5.88	6.48	6.15
Dissolved Oxygen	-	-	mg/L	6.73	6.36	2.20	3.38	NA	10.24	10.05	5.25	7.43
Oxidation Reduction Potential	-	-	mV	120.7	139.5	190.8	38.5	NA	76.7	43.5	159.2	120.9

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

µg/L = parts per billion

mg/L = parts per million

Enforcement Standard exceeded

BOLD

Preventive Action Limit exceeded

Italics

NA = Not Analyzed

NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table A.1.j
Groundwater Analytical Table
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Sample Location				MW9		
Sample Collected By				AECOM		
Date				5/30/2008	8/11/2008	12/2/2008
VOC Parameters	ES	PAL	Unit			
Benzene	5	0.5	µg/l	<0.20	<0.310	<0.310
Toluene	800	160	µg/l	<0.40	<0.300	<0.300
Ethylbenzene	700	140	µg/l	<0.20	<0.500	<0.500
Xylenes (mixed isomers)	2,000	400	µg/l	<0.60	<0.980	<0.980
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	<0.50	<0.300	<0.300
Trimethylbenzenes (mixed isomers)	480	96	µg/l	<0.20	<0.400	<0.400
Naphthalene	100	10	µg/l	<1.00	<0.118	<0.112
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	<0.30	NA	NA
cis-1,2-Dichloroethene	70	7	µg/L	<0.30	NA	NA
trans-1,2-Dichloroethene	100	20	µg/L	<0.20	NA	NA
Tetrachloroethene (PCE)	5	0.5	µg/L	<0.30	NA	NA
Trichloroethene (TCE)	5	0.5	µg/L	<0.40	NA	NA
Vinyl chloride	0.2	0.02	µg/L	<0.20	NA	NA
Inorganic Parameters						
Dissolved Cadmium	5	0.5	µg/L	NA	NA	NA
Dissolved Iron	300	150	µg/L	NA	NA	NA
Dissolved Lead	15	1.5	µg/L	<0.60	<0.60	<0.60
Dissolved Manganese	50	25	µg/L	NA	NA	NA
Total Nitrate/Nitrite as N	10	2	mg/L	NA	NA	NA
Total Sulfate	250	125	mg/L	NA	NA	NA
Field Measurements						
Temperature	-	-	°F	49.98	56.55	54.41
Conductivity	-	-	µmhos/cm	1,220	1,322	1,135
pH	-	-	s.u.	6.43	6.45	6.41
Dissolved Oxygen	-	-	mg/L	4.96	4.11	2.47
Oxidation Reduction Potential	-	-	mV	81.9	125.5	103.5

Well Lost To Road Construction

Notes:

ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
µg/L = parts per billion
mg/L = parts per million

Enforcement Standard exceeded **BOLD**
Preventive Action Limit exceeded *Italics*

NA = Not Analyzed
NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table A.1.k
Groundwater Analytical Table
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Sample Location				MW10				
Sample Collected By				REI		REI		
Date				11/7/2012	8/12/2013	1/10/2018	4/26/2018	7/19/2018
VOC Parameters	ES	PAL	Unit					
Benzene	5	0.5	µg/l	<0.41	<0.50	<0.50	<0.50	
Toluene	800	160	µg/l	<0.67	<0.44	<0.50	<0.50	
Ethylbenzene	700	140	µg/l	<0.54	<0.50	<0.50	<0.50	
Xylenes (mixed isomers)	2,000	400	µg/l	<1.8	<0.82	<1.50	<1.50	
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	<0.61	<0.49	<0.17	<0.17	
Trimethylbenzenes (mixed isomers)	480	96	µg/l	<0.97	<2.5	<0.50	<0.50	
Naphthalene	100	10	µg/l	<0.89	<2.5	<2.5	<2.5	
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	<0.36	<0.48	<0.17	<0.17	
cis-1,2-Dichloroethene	70	7	µg/L	<i>16.3</i>	4.8	2.8	2.8	
trans-1,2-Dichloroethene	100	20	µg/L	<0.89	<0.37	<0.26	<0.26	
Tetrachloroethene (PCE)	5	0.5	µg/L	272	62.3	7.9	8.5	
Trichloroethene (TCE)	5	0.5	µg/L	27.7	13.2	4.3	4.3	
Vinyl chloride	0.2	0.02	µg/L	<0.18	<0.18	<0.18	<0.18	
Inorganic Parameters								
Dissolved Cadmium	5	0.5	µg/L	NA	NA	NA	NA	
Dissolved Iron	300	150	µg/L	NA	NA	NA	NA	
Dissolved Lead	15	1.5	µg/L	NA	NA	NA	NA	
Dissolved Manganese	50	25	µg/L	NA	NA	NA	NA	
Total Nitrate/Nitrite as N	10	2	mg/L	NA	NA	NA	NA	
Total Sulfate	250	125	mg/L	NA	NA	NA	NA	
Field Measurements								
Temperature	-	-	°F	56.55	NA	51.87	48.71	
Conductivity	-	-	µmhos/cm	760	NA	723	813	
pH	-	-	s.u.	6.3	NA	6.04	5.97	
Dissolved Oxygen	-	-	mg/L	7.2	NA	5.37	7.32	
Oxidation Reduction Potential	-	-	mV	127.1	NA	82.1	22.7	

Project Stalled

Well Abandoned during Building Development

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

µg/L = parts per billion

mg/L = parts per million

Enforcement Standard exceeded

BOLD

Preventive Action Limit exceeded

Italics

NA = Not Analyzed

NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

**Table A.1.1
Groundwater Analytical Table
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin**

Sample Location				AECOM			PZ1		REI			
Sample Collected By				5/29/2008	8/11/2008	12/3/2008	REI		REI			
Date							11/7/2012	8/12/2013	1/10/2018	4/26/2018	7/19/2018	10/18/2018
VOC Parameters	ES	PAL	Unit									
Benzene	5	0.5	µg/l	45.8	5.14	<i>0.990^J</i>	<0.41	<0.50	<0.50	<0.50	<0.25	<0.25
Toluene	800	160	µg/l	1.49	1.01	<i>0.576^J</i>	<0.67	<0.44	<0.50	<0.50	<0.17	<0.17
Ethylbenzene	700	140	µg/l	4.29	<0.500	<0.500	<0.54	<0.50	<0.50	<0.22	<0.22	<0.22
Xylenes (mixed isomers)	2,000	400	µg/l	19.71	1.10 ^J	0.983 ^J	<1.8	<0.82	<1.5	<1.5	<1.5	<0.47
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	<0.50	<0.300	<0.300	<0.61	<0.49	<0.17	<0.17	<1.2	<1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	21.82	0.955 ^J	<0.310	<0.97	<2.5	<0.50	<0.50	<0.87	<0.87
Naphthalene	100	10	µg/l	7.56	0.361	<0.112	<0.89	<2.5	<2.5	<2.5	<1.2	<1.2
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	2.72	NA	NA	<0.36	<0.48	<0.17	<0.17	<0.28	<0.28
cis-1,2-Dichloroethene	70	7	µg/L	0.36 ^J	NA	NA	<0.83	<0.42	<0.26	<0.26	<0.27	<0.27
trans-1,2-Dichloroethene	100	20	µg/L	<0.20	NA	NA	<0.89	<0.37	<0.26	<0.26	<1.1	<1.1
Tetrachloroethene (PCE)	5	0.5	µg/L	0.45 ^J	NA	NA	<0.45	<0.47	1.0	<0.50	<0.33	<0.33
Trichloroethene (TCE)	5	0.5	µg/L	<0.40	NA	NA	<0.48	<0.43	0.51 ^J	<0.33	<0.26	<0.26
Vinyl chloride	0.2	0.02	µg/L	<0.20	NA	NA	<0.18	<0.18	<0.18	<0.18	<0.17	<0.17
Inorganic Parameters												
Dissolved Cadmium	5	0.5	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	300	150	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Lead	15	1.5	µg/L	<0.60	1.21 ^J	<0.60	NA	NA	NA	NA	NA	NA
Dissolved Manganese	50	25	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrate/Nitrite as N	10	2	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfate	250	125	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Mesurements												
Temperature	-	-	°F	53.51	54.75	51.35	55.55	NA	53.86	52.90	54.92	59.10
Conductivity	-	-	µmhos/cm	563	570	615	608	NA	530	1,150	885	640
pH	-	-	s.u.	7.37	7.37	7.21	7.41	NA	7.60	6.86	8.00	7.49
Dissolved Oxygen	-	-	mg/L	0.43	0.19	0.19	0.39	NA	0.67	2.52	2.41	0.48
Oxidation Reduction Potential	-	-	mV	-87.6	-154.5	-84.4	-30.7	NA	-19.7	-7.8	106.5	113.7

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

µg/L = parts per billion

mg/L = parts per million

Enforcement Standard exceeded

BOLD

Preventive Action Limit exceeded

Italics

NA = Not Analyzed

NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table A.1.m
Groundwater Analytical Table
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Sample Location				PZ2					
Sample Collected By				REI		REI			
Date				11/7/2012	8/12/2013	1/10/2018	4/26/2018	7/19/2018	10/18/2018
VOC Parameters	ES	PAL	Unit						
Benzene	5	0.5	µg/l	<0.41	<0.50	<0.50	<0.50	<0.25	<0.25
Toluene	800	160	µg/l	<0.67	<0.44	<0.50	<0.50	<0.17	<0.17
Ethylbenzene	700	140	µg/l	<0.54	<0.50	<0.50	<0.50	<0.22	<0.22
Xylenes (mixed isomers)	2,000	400	µg/l	<1.8	<0.82	<1.5	<1.5	<1.5	<0.47
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	<0.61	<0.49	<0.17	<0.17	<1.2	<1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	<0.97	<2.5	<0.50	<0.50	<0.87	<0.87
Naphthalene	100	10	µg/l	<0.89	<2.5	<2.5	<2.5	<1.2	<1.2
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	<0.36	<0.48	<0.17	<0.17	<0.17	<0.28
cis-1,2-Dichloroethene	70	7	µg/L	<0.83	<0.42	<0.26	0.89 ^J	<0.27	<0.27
trans-1,2-Dichloroethene	100	20	µg/L	<0.89	<0.37	<0.26	<0.26	<0.26	<1.1
Tetrachloroethene (PCE)	5	0.5	µg/L	<i>2.1</i>	<0.47	<i>1.3</i>	<i>2.5</i>	<i>0.88^J</i>	<i>0.38^J</i>
Trichloroethene (TCE)	5	0.5	µg/L	<i>0.93^J</i>	<0.43	<i>0.62^J</i>	<i>1.6</i>	<i>0.32^J</i>	<i>0.27^J</i>
Vinyl chloride	0.2	0.02	µg/L	<0.18	<0.18	<0.18	<0.18	<0.18	<0.17
Inorganic Parameters									
Dissolved Cadmium	5	0.5	µg/L	NA	NA	NA	NA	NA	NA
Dissolved Iron	300	150	µg/L	NA	NA	NA	NA	NA	NA
Dissolved Lead	15	1.5	µg/L	NA	NA	NA	NA	NA	NA
Dissolved Manganese	50	25	µg/L	NA	NA	NA	NA	NA	NA
Total Nitrate/Nitrite as N	10	2	mg/L	NA	NA	NA	NA	NA	NA
Total Sulfate	250	125	mg/L	NA	NA	NA	NA	NA	NA
Field Measurements									
Temperature	-	-	°F	56.39	NA	55.21	55.44	52.58	56.7
Conductivity	-	-	µmhos/cm	1,293	NA	1,065	1,359	1,397	1,852
pH	-	-	s.u.	6.7	NA	6.71	6.71	5.50	7.19
Dissolved Oxygen	-	-	mg/L	2.98	NA	6.53	5.33	1.59	0.52
Oxidation Reduction Potential	-	-	mV	99.7	NA	56.8	23.7	140.5	172.8

Project Stalled

Notes:

- ES = NR140.10 Enforcement Standards
- PAL = NR140.10 Preventive Action Limits
- µg/L = parts per billion
- mg/L = parts per million
- Enforcement Standard exceeded **BOLD**
- Preventive Action Limit exceeded *Italics*
- NA = Not Analyzed
- NS = Not Sampled
- J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

BOLD
<i>Italics</i>

Table A.2.a
Soil Analytical Results Table - 2012 Geoprobe Sampling Results
Pioneer Bank / Former Judges Cleaners
Marshfield, WI

Collected By-->				REI Engineering, Inc.														
Date-->				10/17/2012	10/17/2012		10/17/2012		10/17/2012		10/17/2012		10/17/2012		10/17/2012		10/17/2012	
Sample-->				GP1	GP2		GP3		GP4		GP5		GP6		MW10		PZ2	
Sample Depth--(Feet)-->				9-10	2-4	9-10	7-8	10-11	4-6	9-10	2-4	10-11	2-4	10-11	5-7	10-12	5-7	10-12
Saturated (S) vs Unsaturated (U)-->				U	U	U	U	U	U	U	U	U	U	U	U	U	U	
VOC's (mg/kg)	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL															
Benzene	1.6	7.07	0.0051	<0.025	<0.025	<0.0301	<i>0.176J</i>	<0.0543	<0.0305	<0.0284	<0.025	<0.025	<0.0284	<0.025	<0.0294	<0.0301	<0.025	<0.025
sec-Butylbenzene	145	145	--	<0.025	<0.025	<0.0301	0.385	0.524	<0.0305	<0.0284	<0.025	<0.025	<0.0284	<0.025	<0.0294	<0.0301	0.168	<0.025
1,2-Dichloroethane	0.652	2.87	0.0028	<0.025	<0.025	<0.0301	<0.0702	<0.0543	<0.0305	<0.0284	<0.025	<0.025	<0.0284	<0.025	<0.0294	<0.0301	<0.025	<0.025
cis-1,2-Dichloroethene	156	2,340	0.0412	<0.025	<0.025	<0.0301	<0.0702	<0.0543	<0.0305	<0.0284	<0.025	<0.025	<0.0284	<0.025	<0.0294	<0.0301	<0.025	<0.025
trans-1,2-Dichloroethene	1,560	1,850	0.0626	<0.025	<0.025	<0.0301	<0.0702	<0.0543	<0.0305	<0.0284	<0.025	<0.025	<0.0284	<0.025	<0.0294	<0.0301	<0.025	<0.025
Ethylbenzene	8.02	35.4	1.57	<0.025	<0.025	<0.0301	<i>1.730</i>	<i>2.030</i>	<0.0305	<0.0284	<0.025	<0.025	<0.0284	<0.025	<0.0294	<0.0301	0.652	<0.025
Isopropylbenzene (cumene)	268	268	--	<0.025	<0.025	<0.0301	0.467	0.856	<0.0305	<0.0284	<0.025	<0.025	<0.0284	<0.025	<0.0294	<0.0301	0.166	<0.025
p-Isopropyltoluene	162	162	--	<0.025	<0.025	<0.0301	0.600	0.687	<0.0305	<0.0284	<0.025	<0.025	<0.0284	<0.025	<0.0294	<0.0301	0.208	<0.025
Methyl-tert-butyl ether (MTBE)	63.8	282	0.027	<0.025	<0.025	<0.0301	<0.0702	<0.0543	<0.0305	<0.0284	<0.025	<0.025	<0.0284	<0.025	<0.0294	<0.0301	<0.025	<0.025
Naphthalene	5.52	24.1	0.6582	<0.025	<0.025	<0.0301	0.356	<i>3.960</i>	<0.0305	<0.0284	<0.025	<0.025	<0.0284	<0.025	<0.0294	<0.0301	0.599	<0.025
n-Propylbenzene	--	--	--	<0.025	<0.025	<0.0301	1.520	2.820	<0.0305	<0.0284	<0.025	<0.025	<0.0284	<0.025	<0.0294	<0.0301	0.595	<0.025
Tetrachloroethene (PCE)	33	145	0.0045	<0.025	<0.025	<i>0.246</i>	<0.0702	<0.0543	<0.0305	<0.0284	<0.025	<0.025	<0.0284	<0.025	<0.0294	<0.0301	<0.025	<0.025
Toluene	818	818	1.1072	<0.025	<0.025	<0.0301	<0.0702	<0.0543	<0.0305	<0.0284	<i>0.0439J</i>	<0.025	<0.0284	<0.025	<0.0294	<0.0301	<i>0.0439J</i>	<0.025
1,2,4-Trimethylbenzene (TMB)	219	219	1.3787	<0.025	<0.025	<0.0301	<i>6.430</i>	<i>9.390</i>	<0.0305	<0.0284	<0.025	<0.025	<0.0284	<0.025	<0.0294	<0.0301	<i>4.000</i>	<0.025
1,3,5-Trimethylbenzene (TMB)	182	182		<0.025	<0.025	<0.0301	<i>4.750</i>	<i>5.660</i>	<0.0305	<0.0284	<0.025	<0.025	<0.0284	<0.025	<0.0294	<0.0301	<i>1.620</i>	<0.025
Vinyl chloride	0.067	2.08	0.0001	<0.025	<0.025	<0.0301	<0.0702	<0.0543	<0.0305	<0.0284	<0.025	<0.025	<0.0284	<0.025	<0.0294	<0.0301	<0.025	<0.025
Xylenes (Total)	260	260	3.96	<0.050	<0.050	<0.0602	1.276	3.620	<0.061	<0.0568	<0.050	<0.050	<0.0568	<0.050	<0.0588	<0.0602	2.443	<0.050

Notes:

NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet

This site is assessed as **Non-Industrial**

RCL = Residual Contaminant Level

DC = Direct Contact

mg/kg = Parts Per Million (ppm)

< = Concentration Below Laboratory Detection Limit

- = Not Sampled/Collected

-- = No Standard/Not Applicable

J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)

<i>Italic</i>	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
<u>Underlined</u>	= Exceeds NR720 Industrial Not-To-Exceed DC RCL

Table A.2.b
Soil Analytical Results Table - 2004 Boring Sampling Results
Pioneer Bank / Former Judges Cleaners
Marshfield, WI

Collected By-->				AECOM										
Date-->				3/15/2004	3/15/2004	3/15/2004	3/15/2004		3/15/2004	3/15/2004		3/15/2004		3/15/2004
Sample-->				B-1	B-2	B-3	B-4		B-5	B-6		B-7		B-8
Sample Depth--(Feet)-->				15-16	15-16	15-16	2-4	15-16	15-16	2-4	15-16	2-4	15-16	15-16
Saturated (S) vs Unsaturated (U)-->				S	S	S	U	S	S	U	S	U	S	S
Analyte (mg/kg)	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL											
DRO	--	--	--	<1.7	<1.7	<1.7	<1.7	2,300	<1.7	34	<1.7	<1.7	9.0	<1.7
GRO	--	--	--	<0.33	<0.33	<0.33	<0.33	110	0.4J	160	<0.33	<0.33	300	<0.33
VOC's (mg/kg)														
Benzene	1.6	7.07	0.0051	<0.015	<0.015	<0.015	<i>0.250</i>	<0.015	<0.015	<i>0.650</i>	<0.015	<0.015	<0.37	<0.015
n-Butylbenzene	108	108	--	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	0.25J	<0.017	<0.017	0.7J	<0.017
1,2-Dichloroethane	0.652	2.87	0.0028	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.560	<0.022
cis-1,2-Dichloroethene	156	2,340	0.0412	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.33	<0.013
p-Isopropyltoluene	162	162	--	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	0.55J	<0.016
Naphthalene	5.52	24.1	0.6582	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	3.5	<0.020
n-Propylbenzene	--	--	--	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	1.6J	<0.023
Tetrachloroethene (PCE)	33	145	0.0045	<0.014	<0.014	<0.014	<i>0.160</i>	<0.014	<0.014	<0.014	<0.014	<0.014	<0.35	<0.014
Toluene	818	818	1.1072	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	3.9	<0.013
Trichloroethene (TCE)	1.3	8.41	0.0036	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.37	<0.015
1,2,4-Trimethylbenzene (TMB)	219	219	1.3787	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	11	<0.022
1,3,5-Trimethylbenzene (TMB)	182	182		<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	3.7
Xylenes (Total)	260	260	3.96	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	27.3	<0.063
Metals (mg/kg)														
Lead	400	800	27	9.1J	8.8J	<4.6	6.7	84	4.8J	7.0J	<3.8	7.9J	9.9J	8.4J

Notes:

NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet

This site is assessed as **Non-Industrial**

RCL = Residual Contaminant Level

DC = Direct Contact

mg/kg = Parts Per Million (ppm)

< = Concentration Below Laboratory Detection Limit

-- = Not Sampled/Collected

-- = No Standard/Not Applicable

J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)

<i>Italic</i>	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
<u>Underlined</u>	= Exceeds NR720 Industrial Not-To-Exceed DC RCL

Table A.2.c
Soil Analytical Results Table - 2004 TSSA Soil Sampling Results
Pioneer Bank / Former Judges Cleaners
Marshfield, WI

Collected By-->				AECOM														
Date-->				10/7/2004					10/8/2004					10/8/2004				
Tank-->				Tank 1					Tank 2					Tank 3				
Sample-->				Tank 1 N	Tank 1 S	Tank 1 E	Tank 1 W	Tank 1 B	Tank 2 N	Tank 2 S	Tank 2 E	Tank 2 W	Tank 2 B	Tank 3 N	Tank 3 S	Tank 3 E	Tank 3 W	Tank 3 B
Sample Depth--(Feet)-->				5	5	5	5	7	7	7	7	7	10	4	4	4	4	5
Saturated (S) vs Unsaturated (U)-->				U	U	U	U	U	U	U	U	U	U	U	U	U	U	
Analyte (mg/kg)	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL															
DRO	--	--	--	16.5	<5.53	<5.47	<5.45	5.66	401	21.3	407	<5.64	7.18	100	9,590	3,630	3,200	4,910
GRO	--	--	--	<0.025	<5.53	<5.47	<5.45	<5.44	2,570	<5.67	12.9	<5.64	72	15.7	132	306	3,610	508
VOC's (mg/kg)																		
Benzene	1.6	7.07	0.0051	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.1	<0.1	<0.1	<4.0	<0.1
Ethylbenzene	8.02	35.4	1.57	<0.025	<0.025	<0.025	<0.025	<0.025	32.1	<0.025	0.235	2.42	<0.025	<0.1	<0.1	<0.1	<4.0	2.47
Methyl-tert-butyl ether (MTBE)	63.8	282	0.027	<0.025	<0.025	<0.025	<0.025	<0.025	<1.00	<0.025	<0.025	<0.025	<0.1	<0.1	<0.1	<0.1	<4.0	<0.1
Toluene	818	818	1.1072	<0.025	<0.025	<0.025	<0.025	0.177	<i>15.5</i>	<0.025	0.153	0.0349	5.3	0.172	<0.025	0.156	<i>13.6</i>	<i>2.68</i>
1,2,4-Trimethylbenzene (TMB)	219	219	1.3787	0.0349	<0.025	<0.025	<0.025	<0.025	300	<0.025	<i>1.49</i>	<0.025	<i>6.32</i>	0.295	0.224	<i>5.51</i>	<i>179</i>	<i>26.4</i>
1,3,5-Trimethylbenzene (TMB)	182	182		<0.025	<0.025	<0.025	<0.025	<0.025	<i>110</i>	<0.025	<0.025	<0.025	<i>2.15</i>	0.271	0.465	<i>8.04</i>	<i>85.5</i>	<i>15.5</i>
Xylenes (Total)	260	260	3.96	<0.050	0.028	<0.050	<0.050	0.461	<i>163.77</i>	<0.050	2.248	<0.050	<i>13.72</i>	0.518	0.239	1.12	<i>66.2</i>	<i>17.44</i>
Metals (mg/kg)																		
Lead	400	800	27	5.1	9.73	3.84	4.23	5.72	<i>35.7</i>	5.06	8.89	14.1	6.97	<i>87.4</i>	15.4	<i>101</i>	24.6	<i>152</i>

Notes:
 NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet
 This site is assessed as **Non-Industrial**
 DC = Direct Contact
 mg/kg = Parts Per Million (ppm)
 < = Concentration Below Laboratory Detection Limit
 - = Not Sampled/Collected
 - - = No Standard/Not Applicable
^J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)

<i>Italic</i>	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
<u>Underlined</u>	= Exceeds NR720 Industrial Not-To-Exceed DC RCL

Table A.2.d
Soil Analytical Results Table - 2008 Monitoring Well Sampling Results
Pioneer Bank / Former Judges Cleaners
Marshfield, WI

Collected By-->				AECOM															
Date-->				10/15/2007		10/15/2007	10/16/2007	10/23/2007			10/16/2007		10/16/2007	10/23/2007	5/2/2008	4/24/2008	4/25/2008		
Sample-->				MW-1		MW-2	MW-3	MW-4			MW-5		MW-6	MW-7	MW-8	MW-9	PZ-1		
Sample Depth--(Feet)-->				15-16	19-20	20-22	19-20	2-4	16-17	19-20	3-4	19-20	19-20	19-20	8-10	13-14.5	3-4	17-18	25-26
Saturated (S) vs Unsaturated (U)-->				S	S	S	S	U	S	S	U	S	S	S	U	S	U	S	S
Analyte (mg/kg)	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL																
DRO	--	--	--	126	40.3	94.7	<4.87	NA	<4.94	<5.00	1,810	<5.00	<4.89	<4.90	<4.83	<5.15	NA	216	NA
GRO	--	--	--	26.8	472	314	<5.00	NA	<5.00	41.1	3,380	<5.00	<5.00	<5.00	<5.00	<5.18	NA	<5.00	9.80
VOC's (mg/kg)																			
1,2,4-Trimethylbenzene (TMB)	219	219		0.242	5.77	9.66	<0.013	<0.015	0.069	1.16	182	<0.013	<0.013	<0.013	<0.013	<0.013	<36.0	<0.013	0.062
1,3,5-Trimethylbenzene (TMB)	182	182	1.3787	0.269	4.08	3.64	<0.018	<0.014	<0.018	0.447	57.6	<0.018	<0.018	<0.018	<0.018	<0.019	<14.0	<0.018	0.078
1,2-Dichloroethane	0.652	2.87	0.0028	NA	NA	NA	NA	<0.009	NA	NA	NA	NA	NA	NA	NA	NA	<20.0	NA	NA
4-Isopropyltoluene	162	162	--	NA	NA	NA	NA	NA	NA	NA	9.28	<0.019	NA	NA	NA	NA	NA	NA	NA
Benzene	1.6	7.07	0.0051	0.341	13.2	1.42	<0.016	<0.010	<0.016	0.172	1.22	0.049	<0.016	<0.016	<0.016	<0.017	<10.0	0.067	3.4
Bromomethane	9.6	43	0.0051	NA	NA	NA	NA	NA	NA	NA	3.7	0.3	NA	NA	NA	NA	NA	NA	NA
Chloromethane	159	669	0.0155	NA	NA	NA	NA	NA	NA	NA	2.24	0.202	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethane	156	2,340	0.0412	NA	NA	NA	NA	NA	NA	NA	<0.14	0.912	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	8.02	35.4	1.57	0.042	6.75	3.04	<0.018	<0.013	<0.018	0.623	26.9	<0.013	<0.018	<0.018	<0.018	<0.019	<15.0	<0.018	0.178
Isopropylbenzene (cumene)	268	268	--	NA	NA	NA	NA	NA	NA	NA	5.46	<0.013	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butyl ether (MTBE)	63.8	282	0.027	<0.11	<0.11	<0.11	<0.011	<0.022	<0.011	0.072	<0.22	<0.022	<0.011	<0.011	<0.011	<0.011	<84.0	<0.011	<0.011
Naphthalene	5.52	24.1	0.6582	NA	NA	NA	NA	NA	NA	NA	26.4	0.214	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	--	--	--	NA	NA	NA	NA	NA	NA	NA	19.7	<0.012	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	33	145	0.0045	NA	NA	NA	NA	NA	NA	NA	<0.12	1.35	NA	NA	NA	NA	NA	NA	NA
Toluene	818	818	1.1072	<0.017	<0.0170	1.7	<0.017	<0.012	<0.17	0.17	15.8	<0.012	<0.017	<0.017	<0.017	<0.018	<41.0	<0.017	<0.017
trans-1,2-Dichloroethene	1,560	1,850	0.0626	NA	NA	NA	NA	NA	NA	NA	<0.19	0.0328	NA	NA	NA	NA	NA	NA	NA
Trichloroethene (TCE)	1.3	8.41	0.0036	NA	NA	NA	NA	NA	NA	NA	<0.08	1.1	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	260	260	3.96	<0.017	4.672	11.86	<0.037	<0.034	<0.037	0.971	199.2	0.0432	<0.037	<0.037	<0.037	<0.039	<100.0	<0.037	<2.00
PAHs (mg/kg)																			
1-Methyl Naphthalene	17.6	72.2	--	<0.0043	NA	0.0068	<0.0045	NA	<0.0043	NA	0.399	NA	<0.0044	<0.0043	NA	NA	NA	<0.0043	NA
2-Methyl Naphthalene	239	3,010	--	<0.0047	NA	0.0354	<0.0050	NA	0.0136	NA	1.55	NA	<0.0049	<0.0048	NA	NA	NA	<0.0047	NA
Benzo (a) Anthracene	1.14	20.8	--	<0.0047	NA	<0.0047	<0.0050	NA	<0.0048	NA	0.0335	NA	<0.0049	<0.0048	NA	NA	NA	<0.0047	NA
Benzo (a) Pyrene	0.115	2.11	0.47	<0.0027	NA	<0.0026	<0.0028	NA	<0.0027	NA	0.475	NA	<0.0027	<0.0027	NA	NA	NA	<0.0026	NA
Benzo (b) Fluoranthene	1.15	21.1	0.4781	<0.0024	NA	<0.0024	<0.0025	NA	<0.0024	NA	0.0584	NA	<0.0025	<0.0025	NA	NA	NA	<0.0024	NA
Chrysene	115	2,110	0.1442	<0.0027	NA	0.0032	<0.0028	NA	<0.0027	NA	0.121	NA	<0.0027	<0.0027	NA	NA	NA	<0.0026	NA
Fluoranthene	2,390	30,100	88.8778	<0.0030	NA	0.003	<0.0032	NA	<0.0030	NA	<0.0031	NA	<0.0031	<0.0030	NA	NA	NA	<0.0030	NA
Indeno (1,2,3-cd) Pyrene	1.15	21.1	--	<0.0025	NA	<0.025	<0.0027	NA	<0.0026	NA	0.039	NA	<0.0026	<0.0026	NA	NA	NA	<0.0025	NA
Naphthalene	5.52	21.1	0.6582	<0.0053	NA	<0.0156	<0.0056	NA	0.0061	NA	1.44	NA	<0.0055	<0.0054	NA	NA	NA	<0.0053	NA
Pyrene	1,790	22,600	54.5455	<0.0033	NA	<0.0032	<0.0034	NA	<0.0033	NA	0.166	NA	<0.0033	<0.0033	NA	NA	NA	<0.0032	NA
TOC (mg/kg)																			
	--	--	--	1,100	NA	1,200	680	NA	430	NA	5,900	NA	640	630	NA	NA	NA	NA	NA
Metals (mg/kg)																			
Lead	400	800	27	5.52	NA	8.15	7.5	NA	7.67	NA	56.9	NA	4.47	3.86	5.67	5.54	NA	4.96	NA
Cadmium	71.1	985	0.752	<0.0655	NA	0.1	<0.0686	NA	0.204	NA	0.347	NA	0.204	0.0727	NA	NA	NA	NA	NA

Notes:

NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet

This site is assessed as **Non-Industrial**

RCL = Residual Contaminant Level

DC = Direct Contact

mg/kg = Parts Per Million (ppm)

< = Concentration Below Laboratory Detection Limit

-- = Not Sampled/Collected

-- = No Standard/Not Applicable

J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)

NA - Not analyzed

<i>Italic</i>	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
<u>Underlined</u>	= Exceeds NR720 Industrial Not-To-Exceed DC RCL

Table A.3
Residual Soil Contamination Table
Pioneer Bank / Former Judges Cleaners
Marshfield, WI

Collected By-->				AECOM																	REI Engineering							
Date-->				10/15/2007		10/15/2007		10/23/2007		10/16/2007		4/25/2008		10/8/2004			10/8/2004				3/15/2004	3/15/2004	3/15/2004	10/17/2018	10/17/2012		10/17/2012	10/17/2012
Sample-->				MW-1		MW-2		MW-4		MW-5		PZ-1		Tank 2			Tank 3				B-4	B-6	B-7	GP2	GP3		GP5	PZ2
Sample Depth--(Feet)-->				15-16	19-20	20-22	16-17	19-20	3-4	19-20	17-18	25-26	7	7	10	4	4	4	5	2-4	2-4	15-16	9-10	7-8	10-11	2-4	5-7	
Saturated (S) vs Unsaturated (U)-->				S	S	S	S	S	U	S	S	S	U	U	U	U	U	U	U	U	S	U	U	U	U	U	U	
Analyte (mg/kg)	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL																									
DRO	--	--	--	126	40.3	94.7	<4.94	<5.00	1,810	<5.00	216	NA	401	407	7.18	100	3,630	3,200	4,910	<1.7	<1.7	9.0	NA	NA	NA	NA	NA	
GRO	--	--	--	26.8	472	314	<5.00	41.1	3,380	<5.00	<5.00	9.80	2,570	12.9	72	15.7	306	3,610	508	<0.33	<0.33	300	NA	NA	NA	NA	NA	
VOC's (mg/kg)																												
1,2,4-Trimethylbenzene (TMB)	219	219	1.3787	0.242	5.77	9.66	0.069	1.16	182	<0.013	<0.013	0.062	300	1.49	6.32	0.295	5.51	179	26.4	<0.022	<0.022	11	<0.0301	6.430	9.390	<0.025	4.000	
1,3,5-Trimethylbenzene (TMB)	182	182		0.269	4.08	3.64	<0.018	0.447	57.6	<0.018	<0.018	0.078	110	<0.025	2.15	0.271	8.04	85.5	15.5	<0.018	<0.018	3.7	<0.0301	4.750	5.660	<0.025	1.620	
1,2-Dichloroethane	0.652	2.87	0.0028	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.022	<0.022	<0.560	<0.0301	<0.0702	<0.0543	<0.025	<0.025	
cis-1,2-Dichloroethane	186	2,340	0.0412	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0301	<0.0702	<0.0543	<0.025	<0.025	
trans-1,2-Dichloroethane	1,560	1,850	0.0626	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0301	<0.0702	<0.0543	<0.025	<0.025	
4-Isopropyltoluene	162	162	--	NA	NA	NA	NA	NA	9.28	<0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.016	<0.016	0.55	NA	NA	NA	NA	NA	
Benzene	1.6	7.07	0.0051	0.341	13.2	1.42	<0.016	0.172	1.22	0.049	0.067	3.4	<0.025	<0.025	<0.1	<0.1	<4.0	<0.1	0.250	0.650	<0.37	<0.0301	0.176j	<0.0543	<0.025	<0.025		
n-Butylbenzene	108	108	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.017	0.25	0.7	<0.0301	0.385	0.524	<0.025	0.168	
Bromomethane	9.6	43	0.0051	NA	NA	NA	NA	NA	3.7	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chloromethane	159	669	0.0185	NA	NA	NA	NA	NA	2.24	0.202	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
cis-1,2-Dichloroethane	186	2,340	0.0412	NA	NA	NA	NA	NA	<0.14	0.912	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethylbenzene	8.02	35.4	1.57	0.042	6.75	3.04	<0.018	0.623	26.9	<0.013	<0.018	0.178	32.1	0.235	<0.025	<0.1	<0.1	<4.0	2.47	NA	NA	NA	<0.0301	1.730	2.030	<0.025	0.652	
Isopropylbenzene (cumene)	268	268	--	NA	NA	NA	NA	NA	5.46	<0.013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0301	0.467	0.856	<0.025	0.166	
Methyl-tert-butyl ether (MTBE)	63.8	282	0.027	<0.11	<0.11	<0.11	<0.011	0.072	<0.22	<0.022	<0.011	<0.011	<1.00	<0.025	<0.1	<0.1	<4.0	<0.1	NA	NA	NA	<0.0301	<0.0702	<0.0543	<0.025	<0.025		
Naphthalene	5.82	24.1	0.6582	NA	NA	NA	NA	NA	26.4	0.214	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.020	<0.020	3.5	<0.0301	0.356	3.960	<0.025	0.599	
n-Propylbenzene	--	--	--	NA	NA	NA	NA	NA	19.7	<0.012	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.023	<0.023	1.6	<0.0301	1.520	2.820	<0.025	0.595	
p-Isopropyltoluene	162	162	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0301	0.600	0.687	<0.025	0.208	
Tetrachloroethene (PCE)	33	145	0.0045	NA	NA	NA	NA	NA	<0.12	1.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.160	<0.014	<0.35	<0.0301	<0.0702	<0.0543	<0.025	<0.025	
Toluene	818	818	1.1072	<0.017	<0.0170	1.7	<0.17	0.17	15.8	<0.012	<0.017	<0.017	15.5	0.153	5.3	0.172	0.156	13.6	2.68	<0.013	<0.013	3.9	<0.0301	<0.0702	<0.0543	0.0439j	0.0439j	
trans-1,2-Dichloroethane	1,560	1,850	0.0626	NA	NA	NA	NA	NA	<0.19	0.0328	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene (TCE)	1.3	8.41	0.0036	NA	NA	NA	NA	NA	<0.08	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.015	<0.015	<0.37	NA	NA	NA	NA	NA	
Vinyl Chloride	0.067	2.08	0.0001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0301	<0.0702	<0.0543	<0.025	<0.025	
Xylenes (total)	260	260	3.96	<0.017	4.672	11.86	<0.037	0.971	199.2	0.0432	<0.037	<2.00	163.77	2.248	13.72	0.518	1.12	66.2	17.44	<0.063	<0.063	27.3	<0.0602	1.276	3.620	<0.050	2.443	
PAHs (mg/kg)																												
1-Methyl Naphthalene	17.6	72.2	--	<0.0043	NA	0.0068	<0.0043	NA	0.399	NA	<0.0043	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Methyl Naphthalene	239	3,010	--	<0.0047	NA	0.0354	0.0136	NA	1.55	NA	<0.0047	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Benzo (a) Anthracene	1.14	20.8	--	<0.0047	NA	<0.0047	<0.0048	NA	0.0335	NA	<0.0047	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Benzo (a) Pyrene	0.115	2.11	0.47	<0.0027	NA	<0.0026	<0.0027	NA	0.475	NA	<0.0026	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Benzo (b) Fluoranthene	1.15	21.1	0.4781	<0.0024	NA	<0.0024	<0.0024	NA	0.0584	NA	<0.0024	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chrysene	115	2,110	0.1442	<0.0027	NA	0.0032	<0.0027	NA	0.121	NA	<0.0026	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Fluoranthene	2,390	30,100	88.8778	<0.0030	NA	0.003	<0.0030	NA	<0.0031	NA	<0.0030	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Indeno (1,2,3-cd) Pyrene	1.15	21.1	--	<0.0025	NA	<0.025	<0.0026	NA	0.039	NA	<0.0025	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Naphthalene	5.52	21.1	0.6582	<0.0053	NA	<0.0156	0.0061	NA	1.44	NA	<0.0053	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Pyrene	1,790	22,600	54.5455	<0.0033	NA	<0.0032	<0.0033	NA	0.166	NA	<0.0032	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TOC (mg/kg)				1,100	NA	1,200	430	NA	5,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals (mg/kg)																												
Lead	400	800	27	5.52	NA	8.15	7.67	NA	56.9	NA	4.96	NA	35.7	8.89	6.97	87.4	101	24.6	152	6.7	7.0	9.9	NA	NA	NA	NA	NA	
Cadmium	71.1	985	0.752	<0.0655	NA	0.1	0.204	NA	0.347	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Notes:
 NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet
 This site is assessed as **Non-Industrial**
 RCL = Residual Contaminant Level
 DC = Direct Contact
 mg/kg = Parts Per Million (ppm)
 < = Concentration Below Laboratory Detection Limit
 -- = Not Sampled/Collected
 - = No Standard/Not Applicable
 j = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
 NA = Not applicable

<i>Italic</i>	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
<u>Underlined</u>	= Exceeds NR720 Industrial Not-To-Exceed DC RCL

Table A.4
Vapor Analytical Table
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

		<i>Sample Location--></i>			<i>VP-1</i>	<i>VP-1</i>
		<i>Collected By--></i>			<i>REI</i>	<i>REI</i>
		<i>Sample Date--></i>			<i>8/12/2013</i>	<i>1/10/2018</i>
		<i>Exposure Scenario--></i>			<i>SC</i>	<i>SC</i>
TO-15 VOC's (µg/m ³)	carcinogen	<i>Sub-Slab VRSL</i>				
		Residential [R] (AF = 0.03)	Small Commercial [SC] (AF = 0.03)	Large Commercial/ Industrial [LC/I] (AF = 0.01)		
Acetone	n	1,070,000	4,510,000	13,500,000	274	21.8
Benzene	c	120	524	1,570	12.6	1.5
2-Butanone (MEK)	n	174,000	730,000	2,190,000	55.4	<0.39
Carbon disulfide	c	24,300	102,000	307,000	6.3	<0.34
Cyclohexane	--	--	--	--	9.5	50.6
Dibromochloromethane	--	--	--	--	2.3	<0.80
Ethylbenzene	c	374	1,640	4,910	12.2	13.9
4-Ethyltouene	--	--	--	--	6.2	40.9
n-Heptane	n	13,900	58,400	175,000	13.4	33.3
n-Hexane	n	24,300	102,000	307,000	26.4	6.8
2-Hexanone	n	1,040	4,380	13,100	6.5	<1.2
Methylene Chloride	n	3,600	15,700	47,200	3.5	<2.9
Propylene	n	104,000	438,000	1,310,000	16.9	<0.30
Tetrachloroethene (PCE)	n	1,390	5,840	17,500	79.6	267
Toluene	n	174,000	730,000	2,190,000	148	26.8
Trichloroethene (TCE)	--	69.5	292	876	7.4	19.1
Trichlorofluoromethane	n	--	--	--	137	26.3
1,2,4-Trimethylbenzene (TMB)	n	2,090	8,760	26,300	19	257
1,3,5-Trimethylbenzene (TMB)	c	2,090	8,760	26,300	5.3	194
Vinyl chloride	n	55.9	929	2,790	<0.53	<0.24
Xylene, m,p-	n	3,480	14,600	43,800	47	147
Xylene, o-	n				15.1	143

Notes:

Indoor Air Standards based on US EPA Vapor Intrusion Screening Levels (VISL) online calculator.

VISL Calculated on Date: 2/22/2019

AF = Attenuation Factor

VAL = Vapor Action Level

VRSL = Vapor Risk Screening Level

< = Concentration Below Laboratory Detection Limit

-- = No Standard/Not Applicable

J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)

c = carcinogen

n = non-carcinogen

Target Risk for Carcinogens = 1.00E-05

Target Hazard Quotient for Non-Carcinogens = 1

Exceeds US EPA Small Commercial VRSL

**Table A.6
Water Level Elevations
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin**

Depth to Water (feet) below Reference Elevation

Date	MW1/MWX	MW2	MW3	MW4	MW5	MW6	MW7	MW7R	MWB-7	MW8	MW9	MW10	PZ1	PZ2
11/20/2007	13.2	16.91	14.72	11.09	14.61	12.5	10.86	NI	-	NI	NI	NI	NI	NI
5/28/2008	NM	NM	NM	8.8	NM	NM	NM	NI	-	NM	NM	NI	NM	NI
5/29/2008	NM	NM	12.40	NM	NM	NM	8.01	NI	-	NM	NM	NI	14.79	NI
5/30/2008	NM	12.15	NM	NM	12.18	NM	NM	NI	-	7.74	14.41	NI	NM	NI
8/11/2008	NM	11.79	12.67	8.97	NM	11.75	10.26	NI	-	9.41	14.74	NI	15.01	NI
8/12/2008	12.01	NM	NM	NM	12.54	NM	NM	NI	-	NM	NM	NI	NM	NI
12/2/2008	NM	NM	14.21	10.86	NM	13.85	11.28	NI	-	9.81	15.34	NI	NM	NI
12/3/2008	11.58	13.32	NM	NM	14.28	NM	NM	NI	-	NM	NM	NI	15.73	NI
11/7/2012	12.32	12.54	13.57	10.40	12.74	12.03		NI	-	8.54		17.99	15.28	16.66
8/12/2013	10.55	10.98	11.98	8.31	11.36	11.08		3.77	-	7.26		11.73	14.61	15.97
1/10/2018		12.17	13.91	10.82	13.32	12.43	Lost to Road Construction		-	9.78	Lost to Road Construction	13.36	15.62	16.50
4/26/2018	Lost to Road Construction	10.18	11.27	7.80	11.15	9.81		Well Abandoned	9.41	7.58		11.95	14.79	16.05
7/19/2018		10.50	11.52	8.27	11.35	9.42			9.55	8.00		Well Abandoned	14.48	15.87
10/18/2018		11.85	12.54	9.64	11.54	9.87			10.74	7.04		Well Abandoned	14.37	15.73

Measuring Point Elevations (top of well casing)

Elevations referenced to a U.S.G.S. Benchmark (feet MSL) - unless provided by others

Initial Survey (AECOM)	1,251.48	1,251.97	1,252.57	1,251.91	1,252.98	1,253.98	1,252.01			1,251.79	1,251.54		1,252.28		
Resurvey (REI) 4-26-18		1,261.23	1,262.27	1,261.36	1,262.29	1,263.27		1,252.14		1,261.35	1,260.93		1,254.19	1,253.36	
													1,263.45	1,261.00	1,261.99

Depth to Water (feet) below Ground Surface

Average	11.93	12.24	12.88	9.50	12.51	11.42	10.10	3.77	9.90	8.35	14.83	13.76	14.96	16.13
Maximum	10.55	10.18	11.27	7.8	11.15	9.42	8.01	3.77	9.41	7.04	14.41	11.73	14.37	15.73
Minimum	13.2	16.91	14.72	11.09	14.61	13.85	11.28	3.77	10.74	9.81	15.34	17.99	15.73	16.66
Range	2.65	6.73	3.45	3.29	3.46	4.43	3.27	0	1.33	2.77	0.93	6.26	1.36	0.93

Water Level Elevation (feet MSL)

Date	MW1/MWX	MW2	MW3	MW4	MW5	MW6	MW7	MW7R	MWB-7	MW8	MW9	MW10	PZ1	PZ2
11/20/2007	1,238.28	1,235.06	1,237.85	1,240.82	1,238.37	1,241.48	1,241.15	NI	NI	NI	NI	NI	NI	NI
5/28/2008	NM	NM	NM	1,243.11	NM	NM	NM	NI	NI	NM	NM	NI	NM	NI
5/29/2008	NM	NM	1,240.17	NM	NM	NM	1,244.00	NI	NI	NM	NM	NI	1,237.49	NI
5/30/2008	NM	1,239.82	NM	NM	1,240.80	NM	NM	NI	NI	1,244.05	1,237.13	NI	NM	NI
8/11/2008	NM	1,240.18	1,239.90	1,242.94	NM	1,242.23	1,241.75	NI	NI	1,242.38	1,236.80	NI	1,237.27	NI
8/12/2008	1,239.47	NM	NM	NM	1,240.44	NM	NM	NI	NI	NM	NM	NI	NM	NI
12/2/2008	NM	NM	1,238.36	1,241.05	NM	1,240.13	1,240.73	NI	NI	1,241.98	1,236.20	NI	NM	NI
12/3/2008	1,239.90	1,238.65	NM	NM	1,238.70	NM		NI	NI	NM		NI	1,236.55	NI
11/7/2012	1,239.16	1,239.43	1,239.00	1,241.51	1,240.24	1,241.95		NI	NI	1,243.25		1,236.20	1,237.00	1,236.70
8/12/2013	1,240.93	1,240.99	1,240.59	1,243.60	1,241.62	1,242.90		1,248.37	NI	1,244.53		1,242.46	1,237.67	1,237.39
1/10/2018		1,239.80	1,238.66	1,241.09	1,239.66	1,241.55	Lost to Road Construction		NI	1,242.01	Lost to Road Construction	1,240.83	1,236.66	1,236.86
4/26/2018	Lost to Road Construction	1,251.05	1,251.00	1,253.56	1,251.14	1,253.46		Well Abandoned	1,251.94	1,253.35		1,251.50	1,246.21	1,245.94
7/19/2018		1,250.73	1,250.75	1,253.09	1,250.94	1,253.85			1,251.80	1,252.93		Well Abandoned	1,246.52	1,246.12
10/18/2018		1,249.38	1,249.73	1,251.72	1,250.75	1,253.40			1,250.61	1,253.89		Well Abandoned	1,246.63	1,246.26

Notes:

NI - not installed
NM - not measured

Attachment B: Maps and Figures

Items Bolded Apply to This Closure Request

B.1. Location Maps

B.1.a. Location Map

B.1.b. Detailed Site Map

B.1.c. RR Sites Map

B.2. Soil Figures

B.2.a. Soil Contamination

B.2.b. Residual Soil Contamination

B.3. Groundwater Figures

B.3.a. Geologic Cross-Section Figure A-A'

B.3.b. Groundwater Isoconcentration

B.3.c.1. Groundwater Flow Direction (8/12/2013)

B.3.c.2. Groundwater Flow Direction (1/10/2018)

B.3.c.3. Groundwater Flow Direction (4/26/2018)

B.3.c.4. Groundwater Flow Direction (7/19/2018)

B.3.c.5. Groundwater Flow Direction (10/18/2018)

B.3.d. Monitoring Wells

B.4. Vapor Maps and Other Media

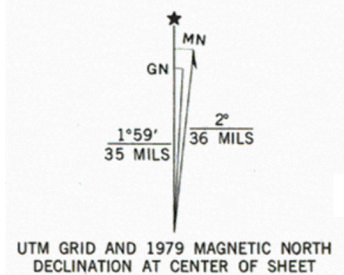
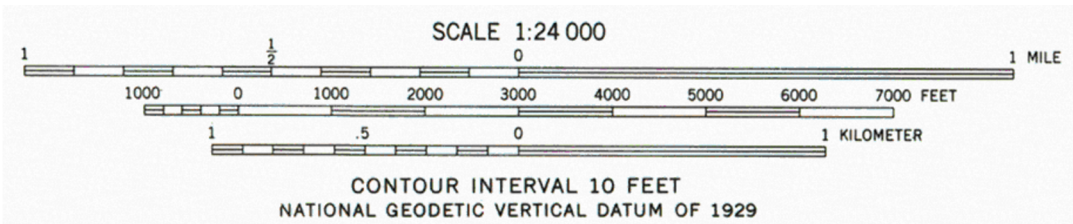
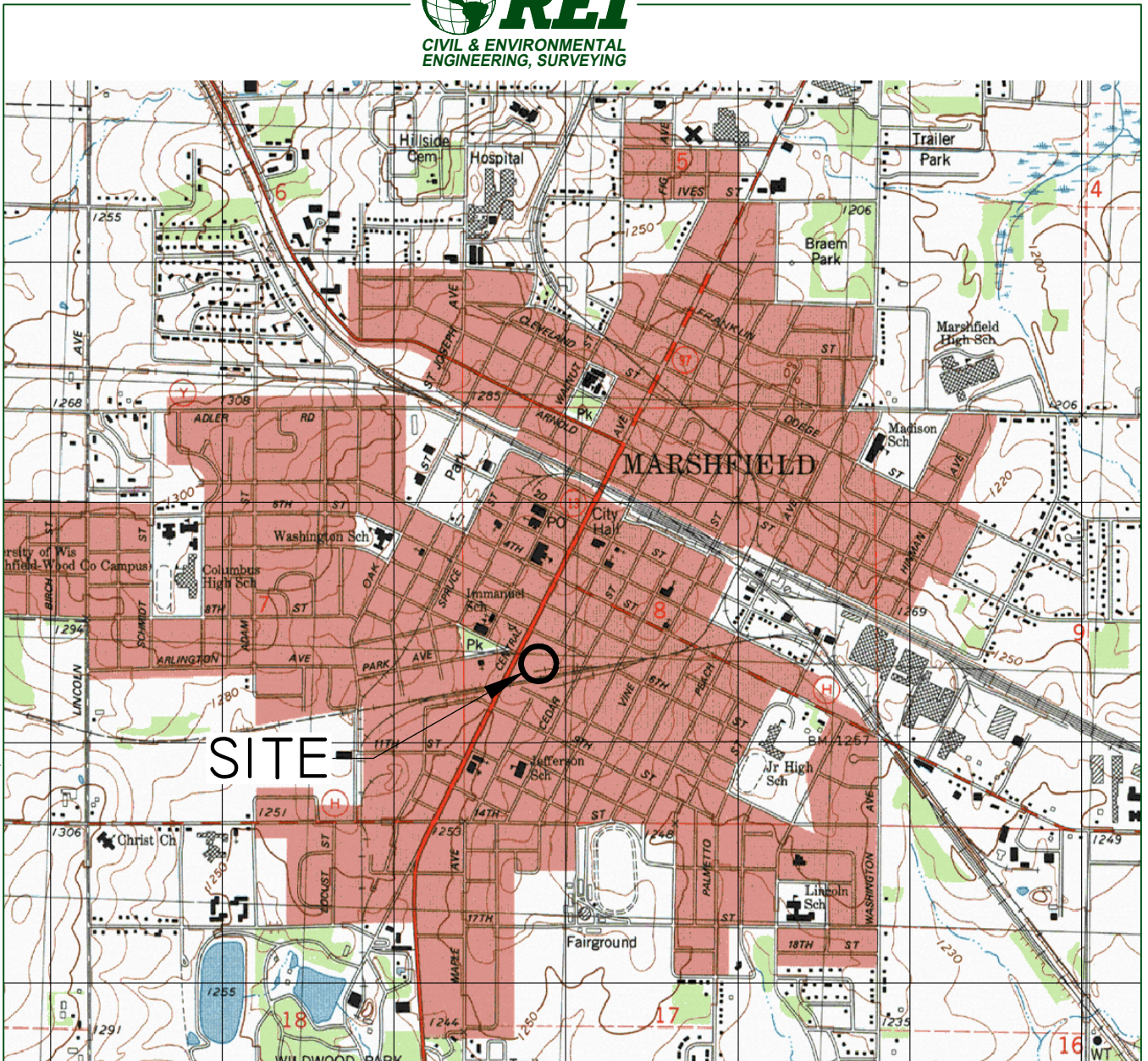
B.4.a Vapor Intrusion Map

B.4.b Other Media of Concern – Not applicable, no other media of concern identified during investigation

B.4.c Other – Not applicable, other relevant maps and figures not previously referenced

B.5. Structural Impediment Photos – No structural impediments were encountered as part of this site investigation.

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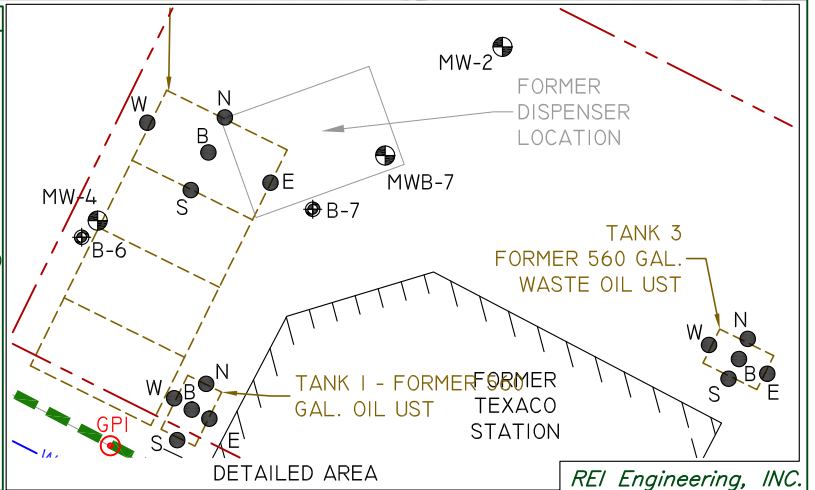
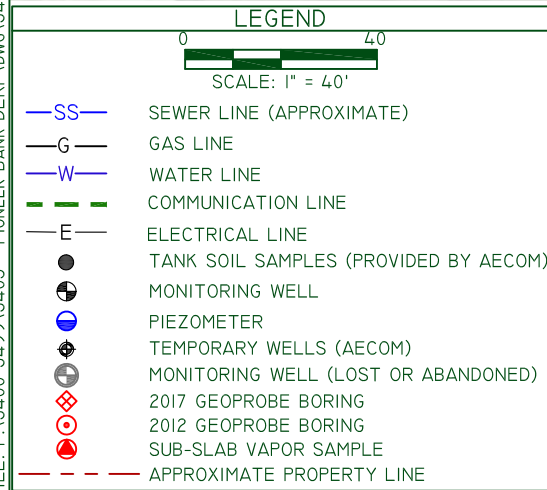
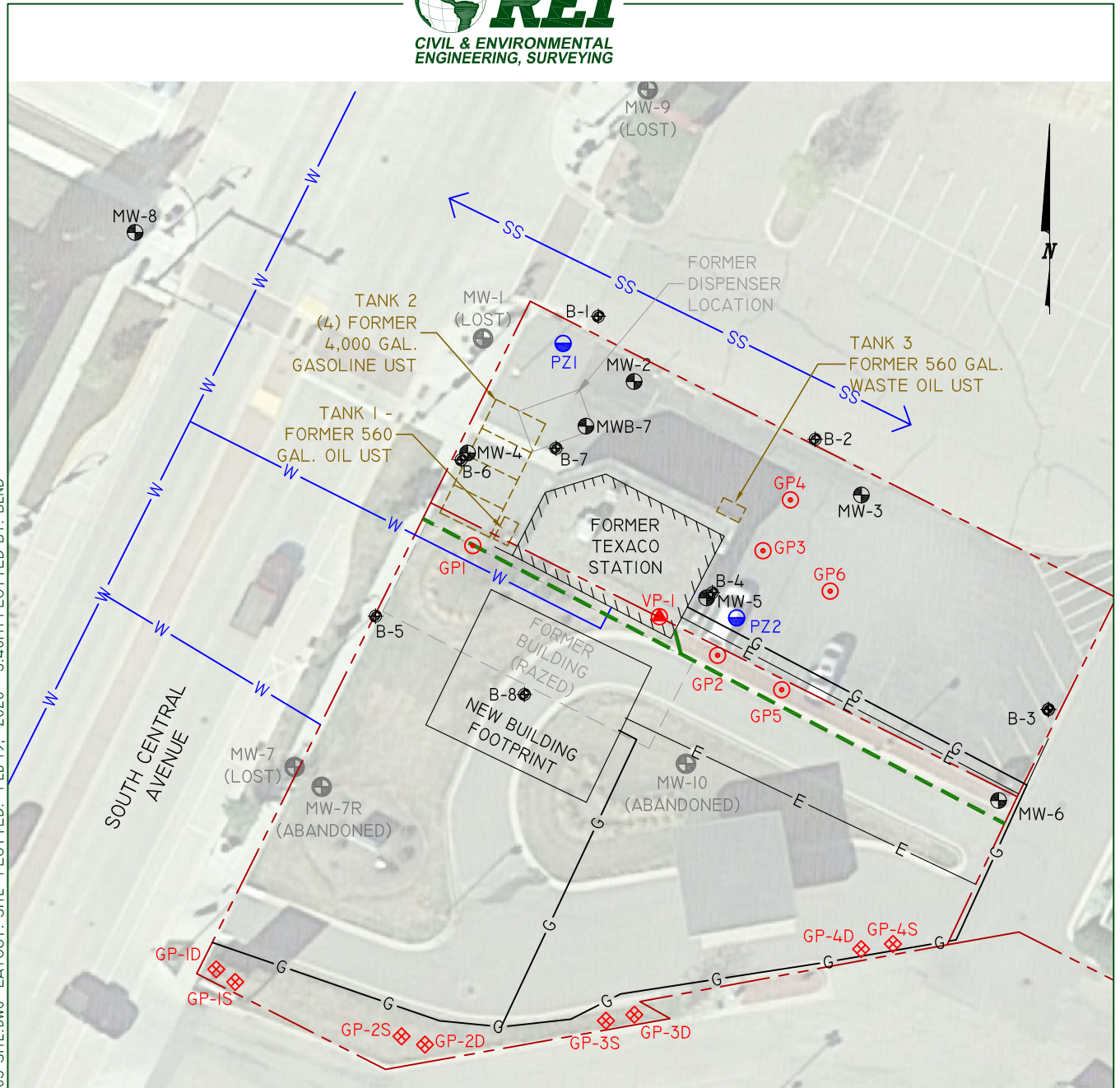


MARSHFIELD, WIS.
NW/4 MARSHFIELD 15' QUADRANGLE
V9007.5/7.5
1979
REI Engineering, INC.

PIONEER BANK – FORMER TEXACO STATION
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE B.1.a Location Map	
PROJECT NO. 5403	DRAWN BY: TAW
DATE: 2/24/2017	

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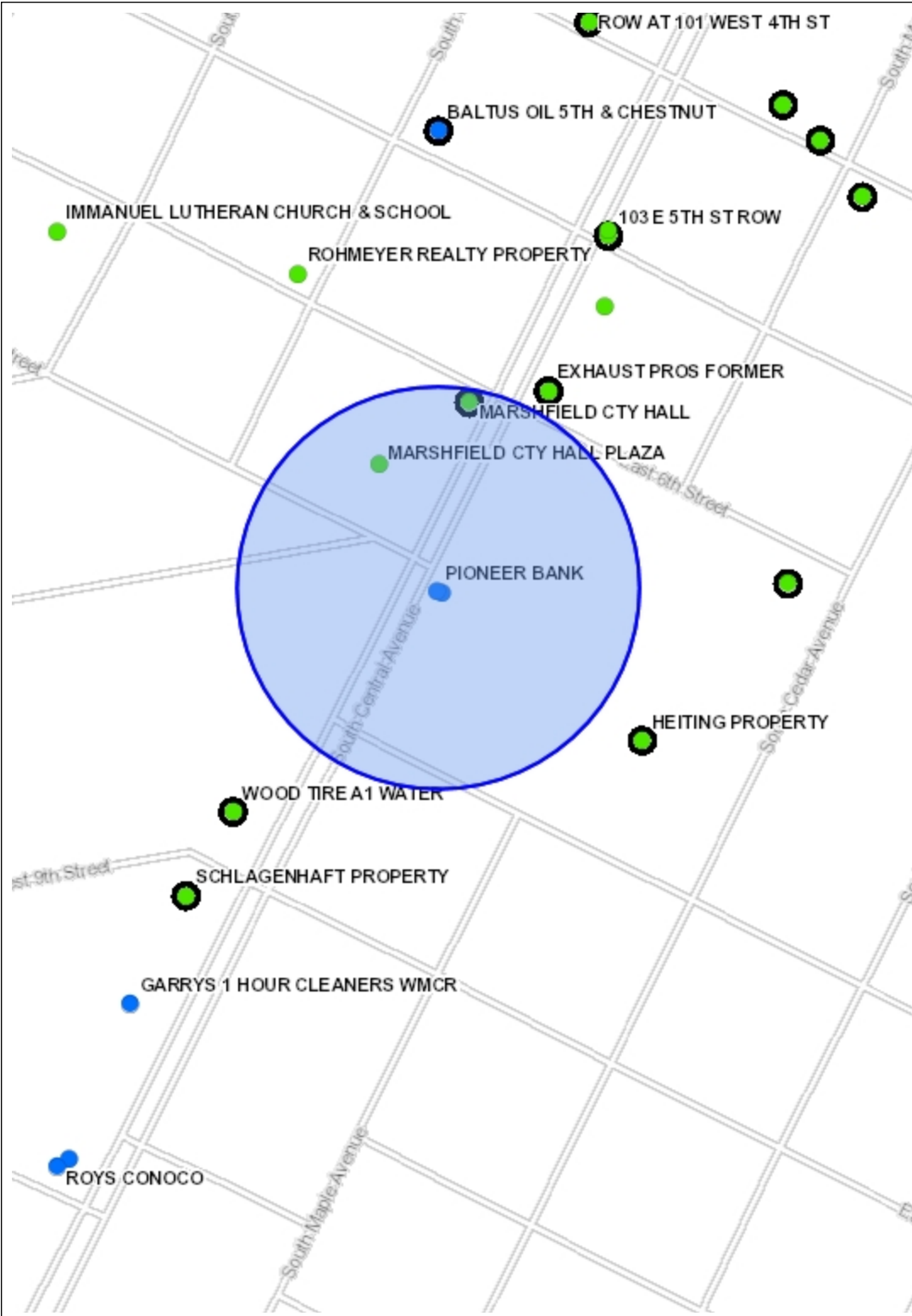
REI Engineering, INC.

PIONEER BANK – FORMER JUDGE’S CLEANERS
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE B.1.b: DETAILED SITE MAP		DATE:	
PROJECT NO.	5403	DRAWN BY:	STH
		09/16/2019	



B.1.c RR Sites Map



Legend

- Open Site
- Closed Site
- Continuing Obligations Apply
- Facility-wide Site

0.1 0 0.1 Miles

1: 3,960



NAD_1983_HARN_Wisconsin_TM

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

Note: Not all sites are mapped.

Notes

BRRTS NO: 03-72-521604

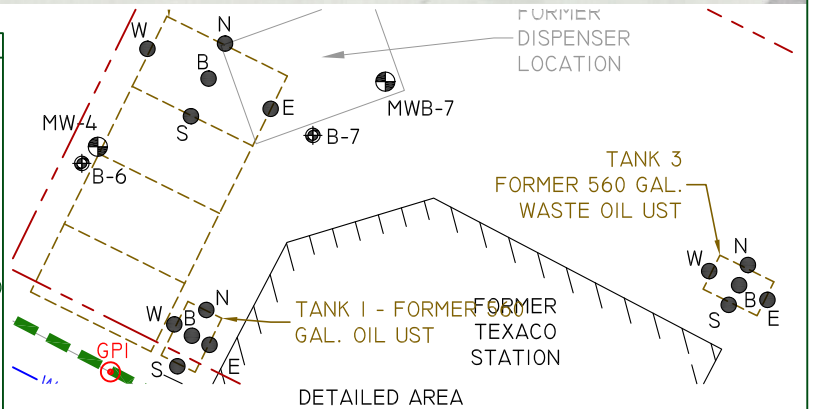
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LEGEND

0 40
SCALE: 1" = 40'

- SS— SEWER LINE (APPROXIMATE)
- G— GAS LINE
- W— WATER LINE
- C— COMMUNICATION LINE
- E— ELECTRICAL LINE
- TANK SOIL SAMPLES (PROVIDED BY AECOM)
- ⊕ MONITORING WELL
- ⊕ PIEZOMETER
- ⊕ TEMPORARY WELLS (AECOM) - ABANDONED
- ⊕ MONITORING WELL (LOST OR ABANDONED)
- ⊕ 2017 GEOPROBE BORING
- ⊕ 2012 GEOPROBE BORING
- ⊕ SUB-SLAB VAPOR SAMPLE
- - - APPROXIMATE PROPERTY LINE



PIONEER BANK – FORMER TEXACO STATION
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE B.2.a: SOIL CONTAMINATION		DATE: 09/26/2019	
PROJECT NO.	5403 AXUC	DRAWN BY:	STH

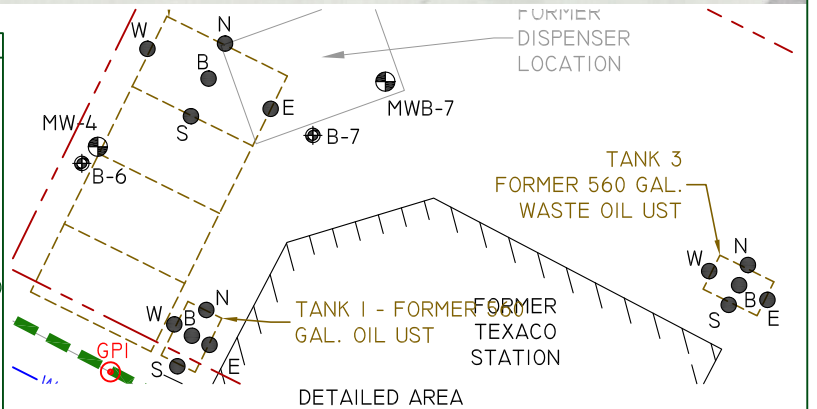
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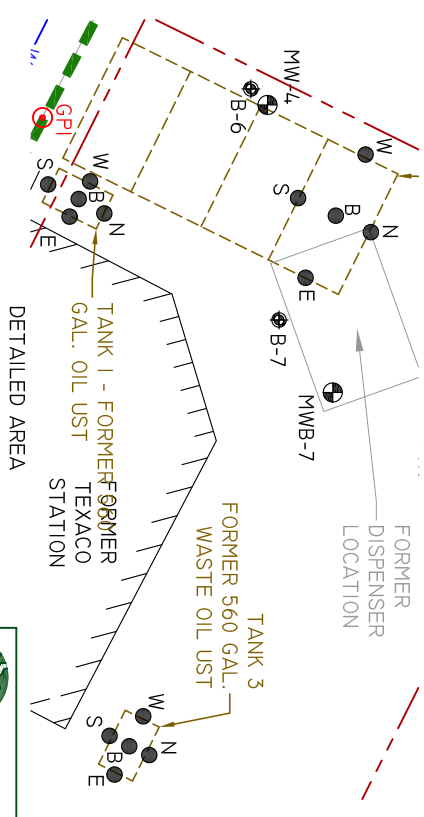
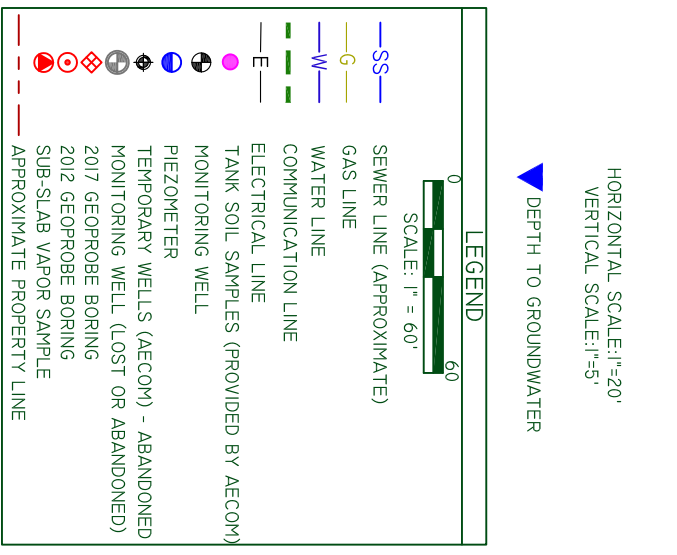
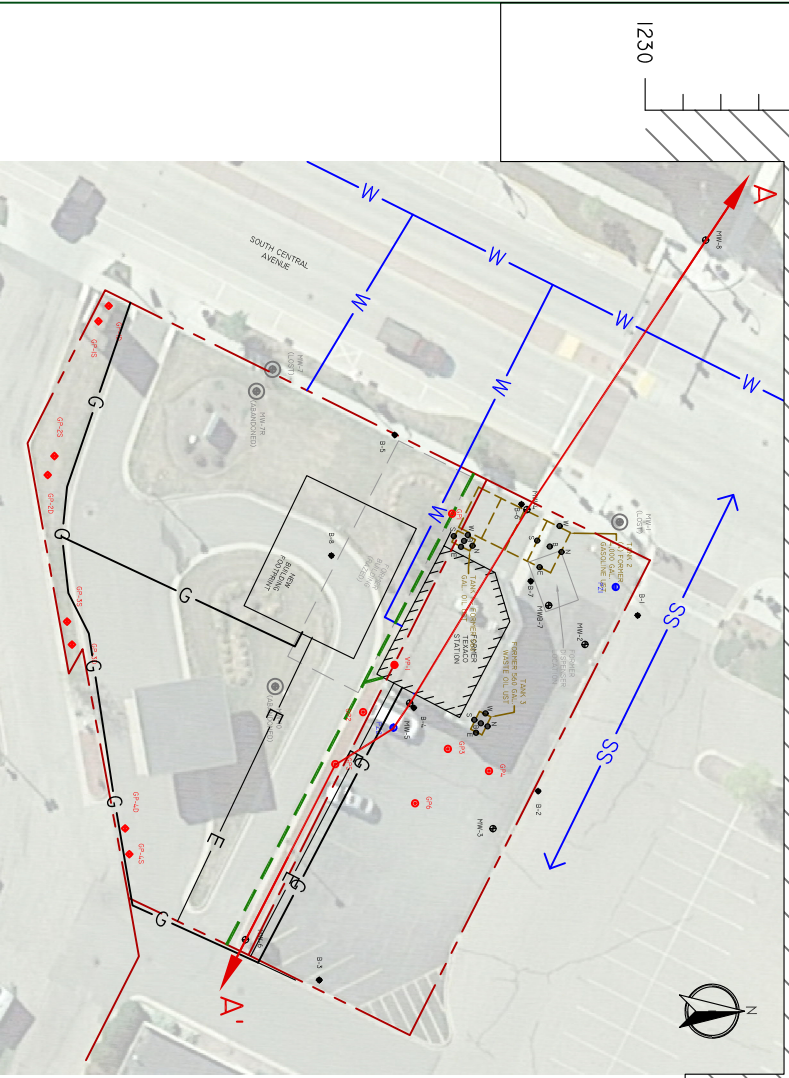
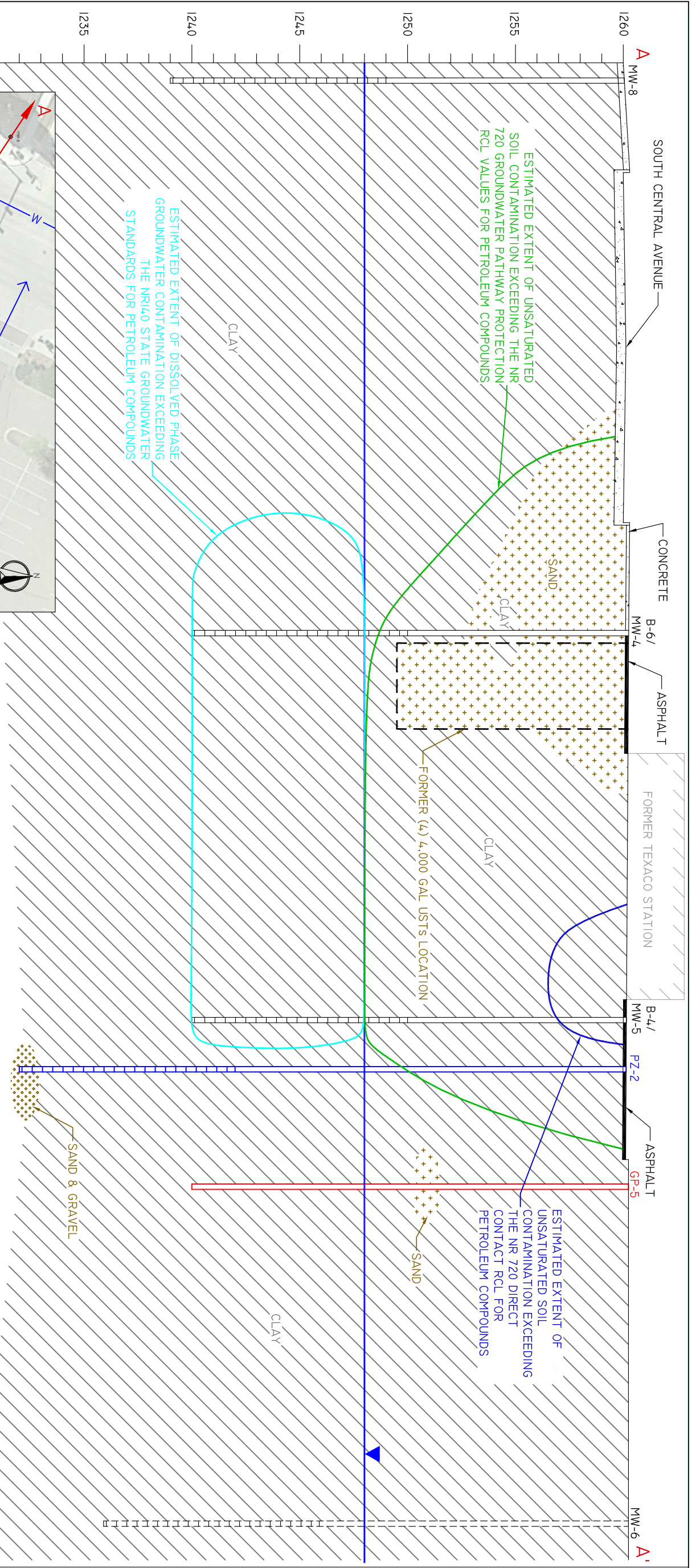
0 40
SCALE: 1" = 40'

- SS SEWER LINE (APPROXIMATE)
- G GAS LINE
- W WATER LINE
- COMMUNICATION LINE
- E ELECTRICAL LINE
- TANK SOIL SAMPLES (PROVIDED BY AECOM)
- ⊕ MONITORING WELL
- ⊕ (blue) PIEZOMETER
- ⊕ (black) TEMPORARY WELLS (AECOM) - ABANDONED
- ⊕ (grey) MONITORING WELL (LOST OR ABANDONED)
- ⊕ (red) 2017 GEOPROBE BORING
- ⊕ (red) 2012 GEOPROBE BORING
- ⊕ (red) SUB-SLAB VAPOR SAMPLE
- - - APPROXIMATE PROPERTY LINE



PIONEER BANK – FORMER TEXACO STATION
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE B.2.b: RESIDUAL SOIL CONTAMINATION	
PROJECT NO. 5403 AXUC	DRAWN BY: STH
DATE: 09/26/2019	



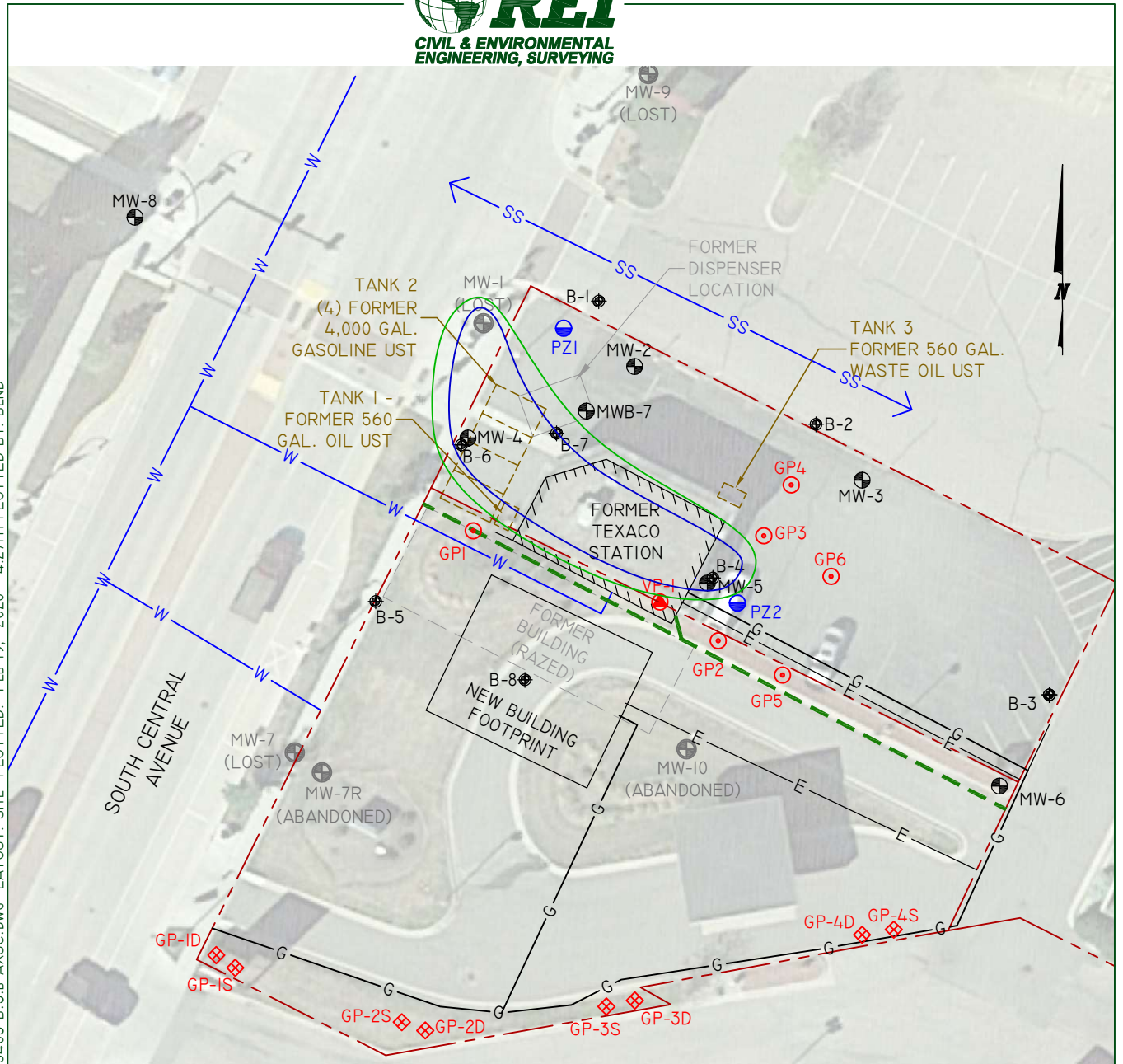
PIONEER BANK - FORMER
TEXACO STATION
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE B.3.a : GEOLOGIC CROSS A - A'

PROJECT NO. 5403AXUC	DRAWN BY: STH	DATE: 09/26/2019
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REI ENGINEERING, INC.

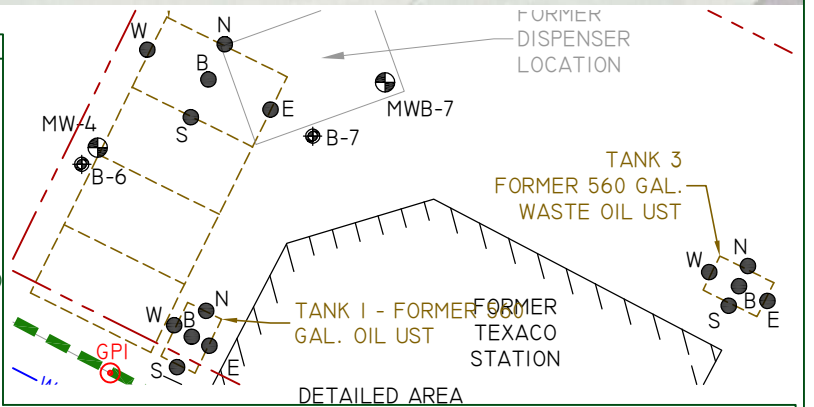
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LEGEND

0 40
SCALE: 1" = 40'

- SS— SEWER LINE (APPROXIMATE)
- G— GAS LINE
- W— WATER LINE
- - - COMMUNICATION LINE
- E— ELECTRICAL LINE
- TANK SOIL SAMPLES (PROVIDED BY AECOM)
- ⊕ MONITORING WELL
- ⊕ PIEZOMETER
- ⊕ TEMPORARY WELLS (AECOM) - ABANDONED
- ⊕ MONITORING WELL (LOST OR ABANDONED)
- ⊕ 2017 GEOPROBE BORING
- ⊕ 2012 GEOPROBE BORING
- ⊕ SUB-SLAB VAPOR SAMPLE
- - - APPROXIMATE PROPERTY LINE



DETAILED AREA

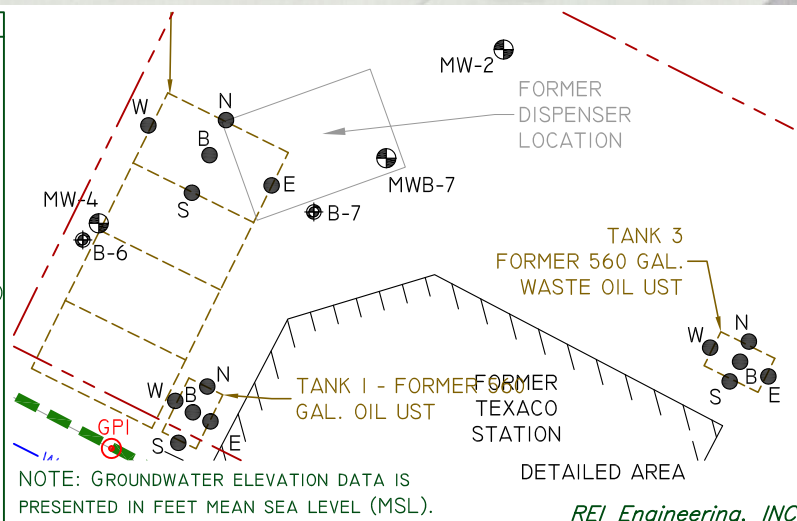
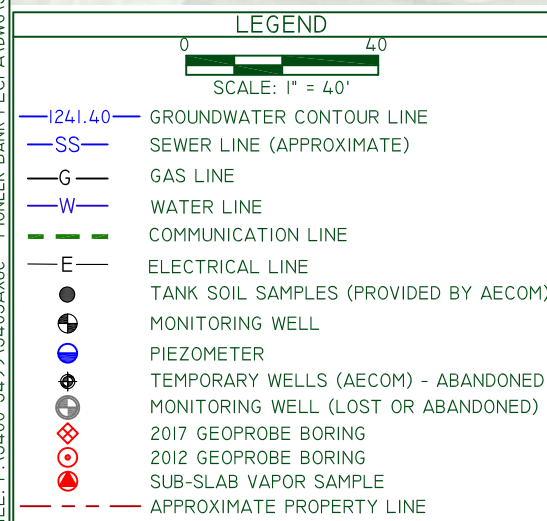
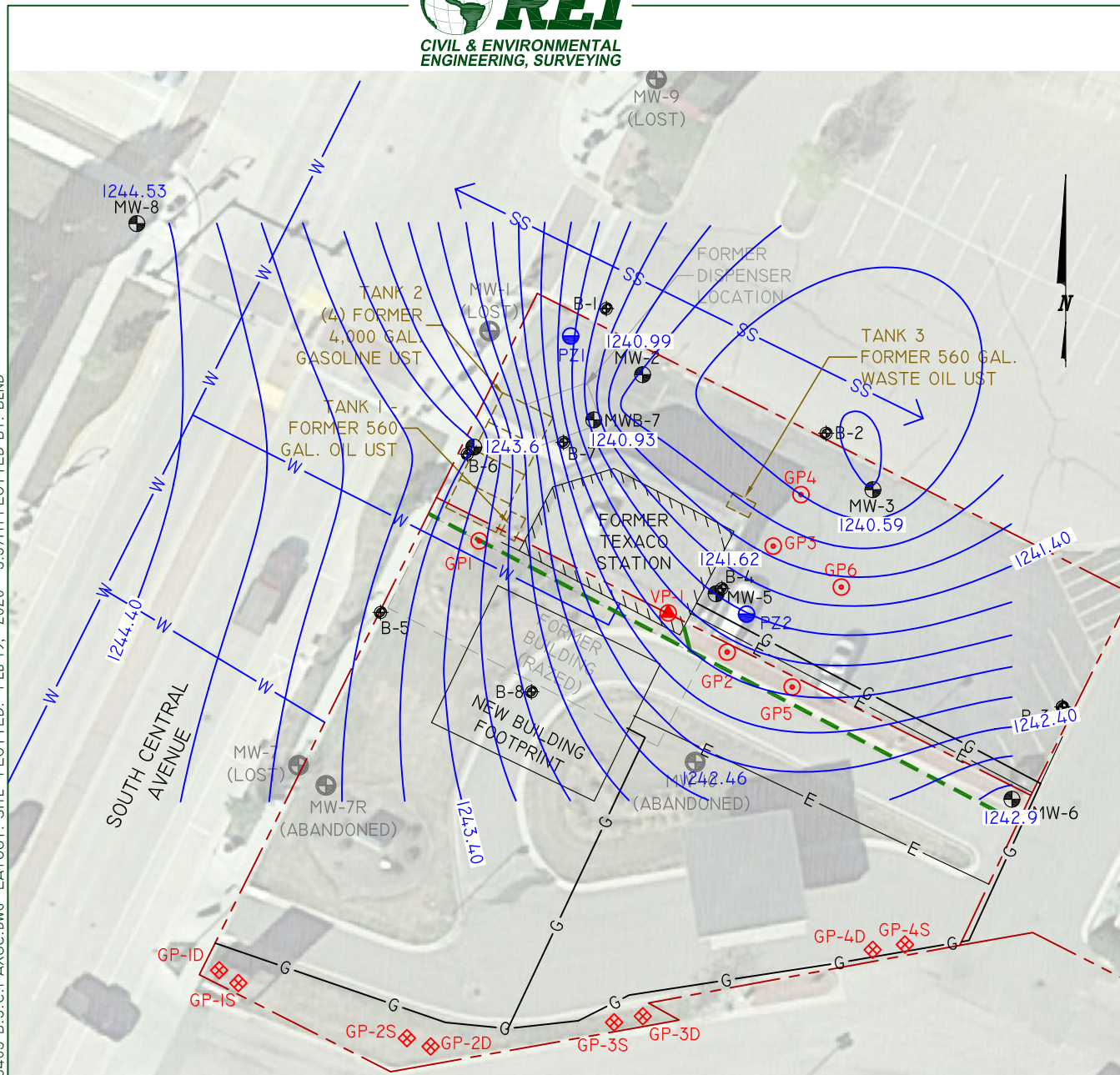
- ESTIMATED EXTENT OF DISSOLVED PHASE GROUNDWATER CONTAMINATION EXCEEDING THE NR 140 ENFORCEMENT STANDARD (ES) FOR PETROLEUM COMPOUNDS.
- ESTIMATED EXTENT OF DISSOLVED PHASE GROUNDWATER CONTAMINATION EXCEEDING THE NR 140 PREVENTATIVE ACTION LIMIT (PAL) FOR PETROLEUM COMPOUNDS.

REI Engineering, INC.

PIONEER BANK – FORMER TEXACO STATION
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE B.3.b: GROUNDWATER ISOCONCENTRATION	
PROJECT NO.	DATE:
5403 AXUC	09/26/2019
DRAWN BY:	STH

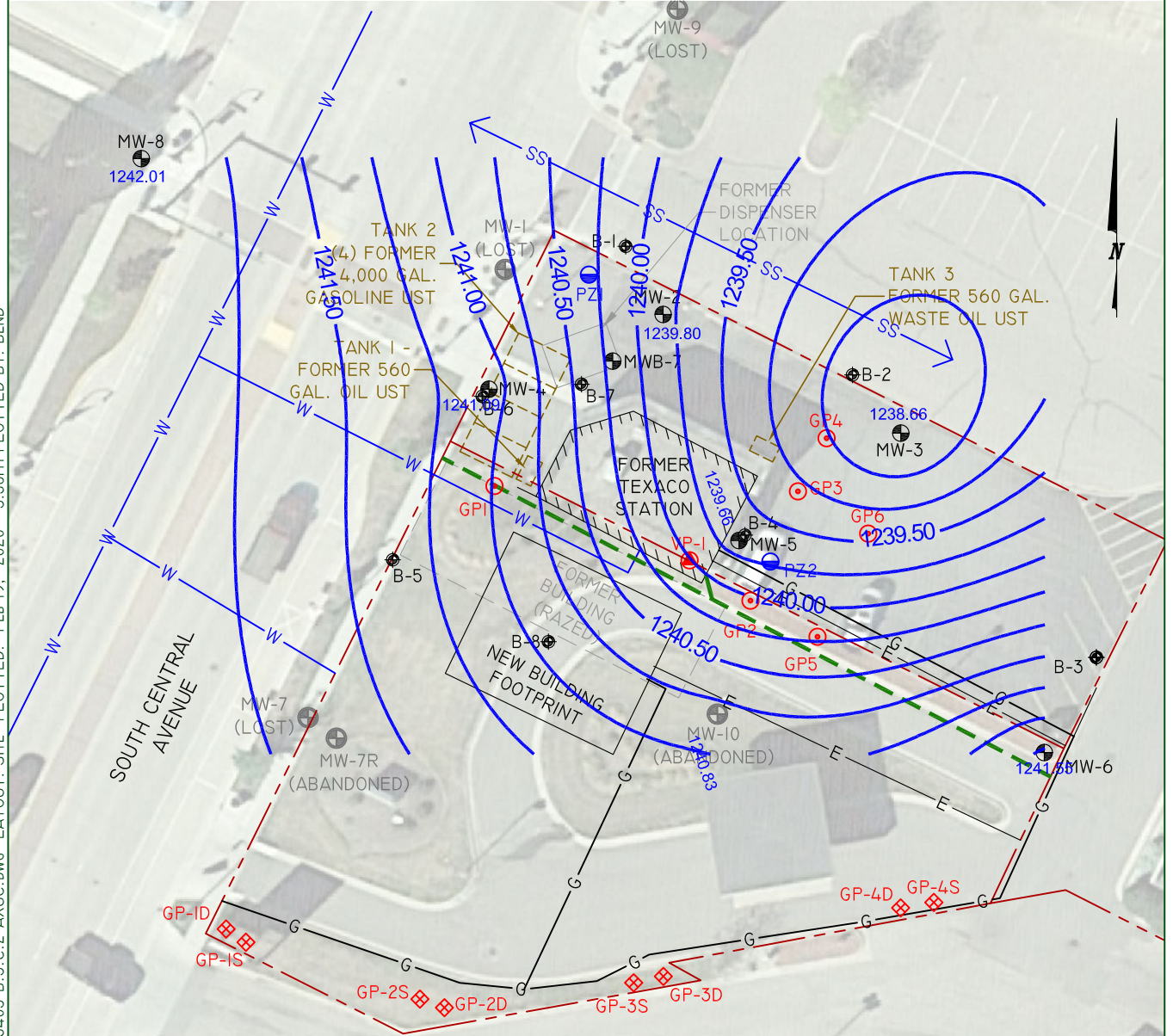
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PIONEER BANK – FORMER TEXACO STATION
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE B.3.C.1: GROUNDWATER FLOW DIRECTION (8/12/2013)	
PROJECT NO.	DATE:
5403 AXUC	09/26/2019
DRAWN BY:	
STH	

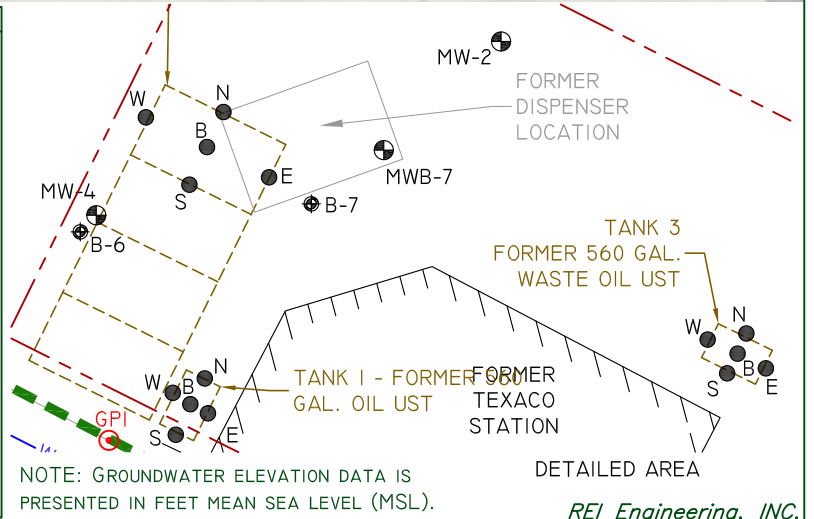
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LEGEND

0 40
SCALE: 1" = 40'

- 1241.40— GROUNDWATER CONTOUR LINE
- SS— SEWER LINE (APPROXIMATE)
- G— GAS LINE
- W— WATER LINE
- E— COMMUNICATION LINE
- E— ELECTRICAL LINE
- TANK SOIL SAMPLES (PROVIDED BY AECOM)
- ⊕ MONITORING WELL
- ⊕ (with blue circle) PIEZOMETER
- ⊕ (with black circle) TEMPORARY WELLS (AECOM) - ABANDONED
- ⊕ (with grey circle) MONITORING WELL (LOST OR ABANDONED)
- ⊕ (with red circle) 2017 GEOPROBE BORING
- ⊕ (with red circle) 2012 GEOPROBE BORING
- ⊕ (with red circle) SUB-SLAB VAPOR SAMPLE
- - - APPROXIMATE PROPERTY LINE



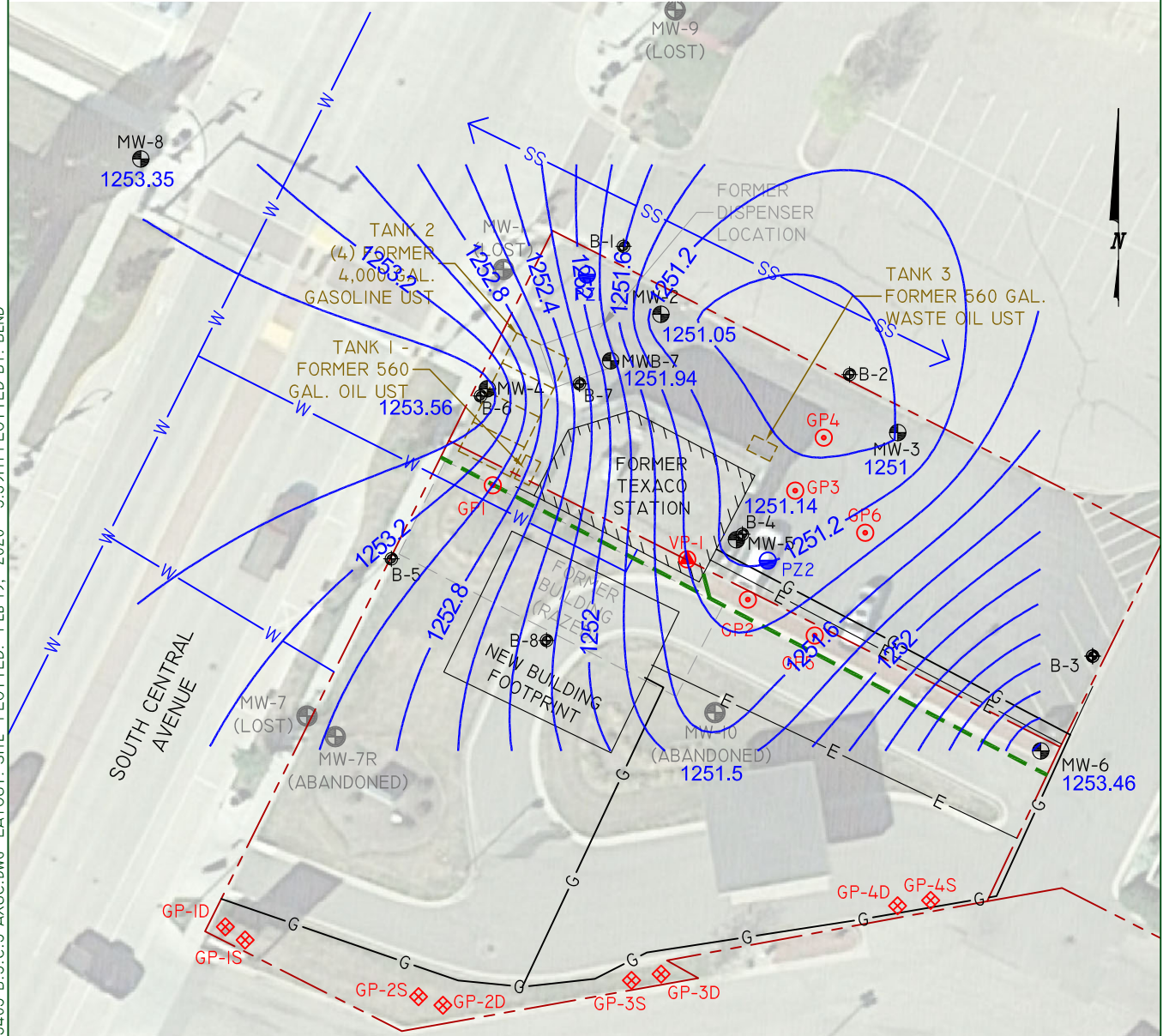
PIONEER BANK – FORMER TEXACO STATION
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE B.3.C.2 : GROUNDWATER FLOW DIRECTION (1/10/2018)

PROJECT NO.	5403 AXUC	DRAWN BY:	STH	DATE:	09/27/2019
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REI Engineering, INC.

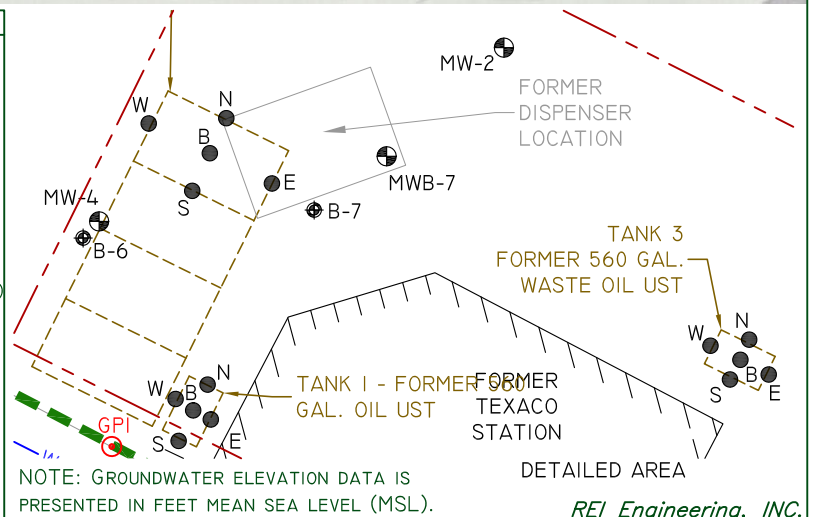
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LEGEND

0 40
SCALE: 1" = 40'

- 1241.40 GROUNDWATER CONTOUR LINE
- SS SEWER LINE (APPROXIMATE)
- G GAS LINE
- W WATER LINE
- COMMUNICATION LINE
- E ELECTRICAL LINE
- TANK SOIL SAMPLES (PROVIDED BY AECOM)
- MONITORING WELL
- PIEZOMETER
- TEMPORARY WELLS (AECOM) - ABANDONED
- MONITORING WELL (LOST OR ABANDONED)
- ◇ 2017 GEOPROBE BORING
- ◇ 2012 GEOPROBE BORING
- ◇ SUB-SLAB VAPOR SAMPLE
- - - APPROXIMATE PROPERTY LINE

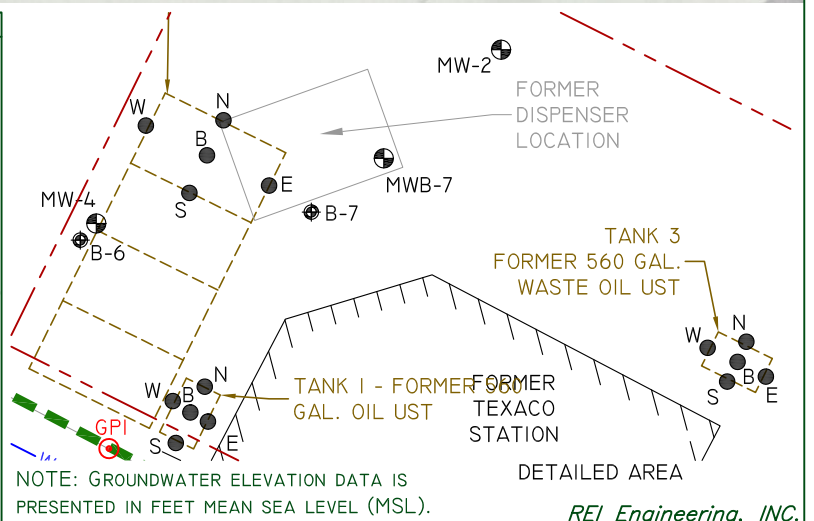
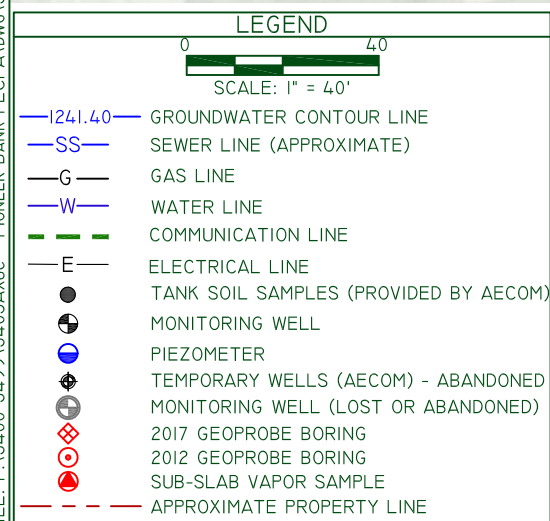
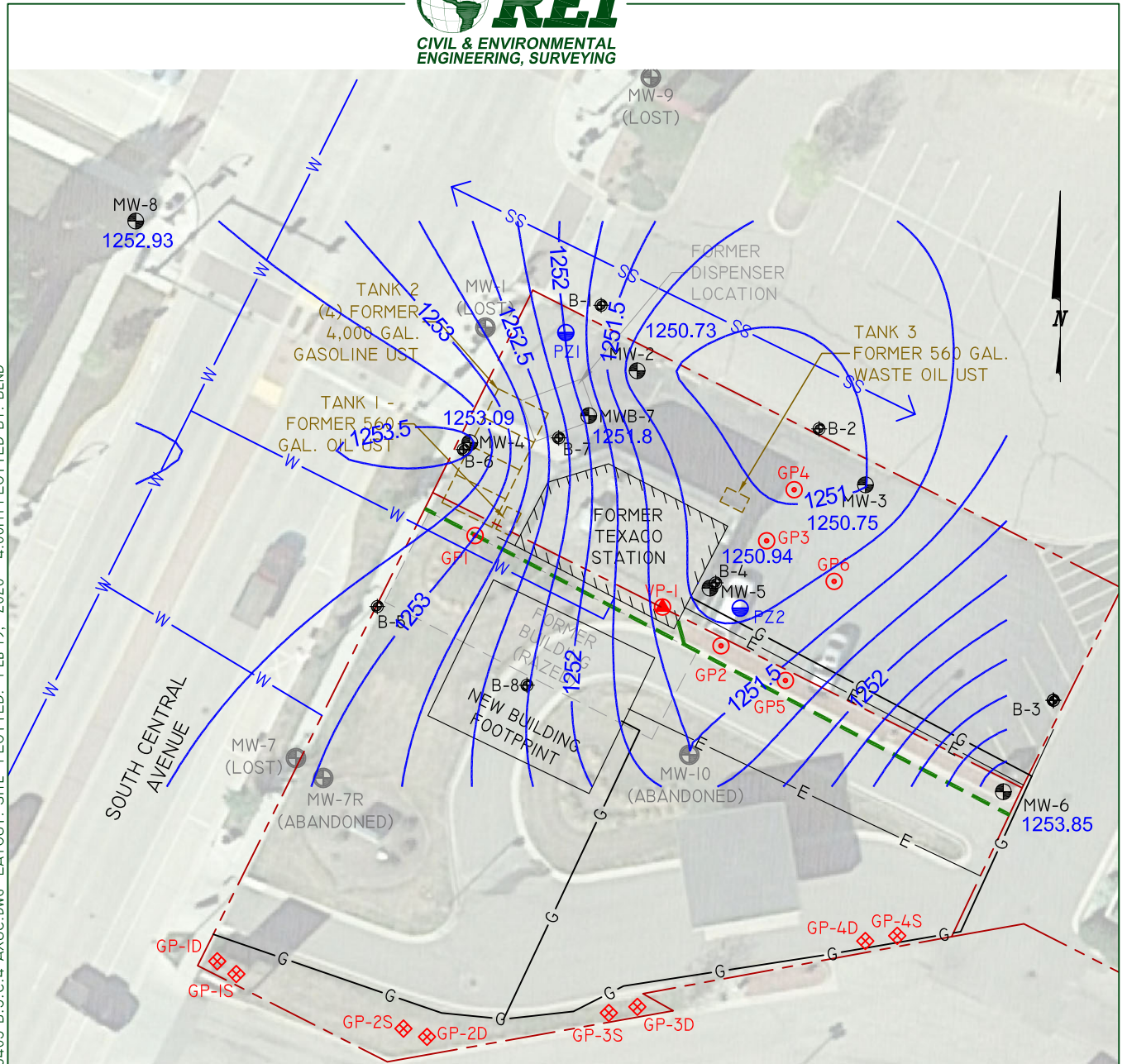


PIONEER BANK — FORMER TEXACO STATION
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE B.3.C.3 : GROUNDWATER FLOW DIRECTION (4/26/2018)

PROJECT NO.	DRAWN BY:	DATE:
5403 AXUC	STH	09/27/2019

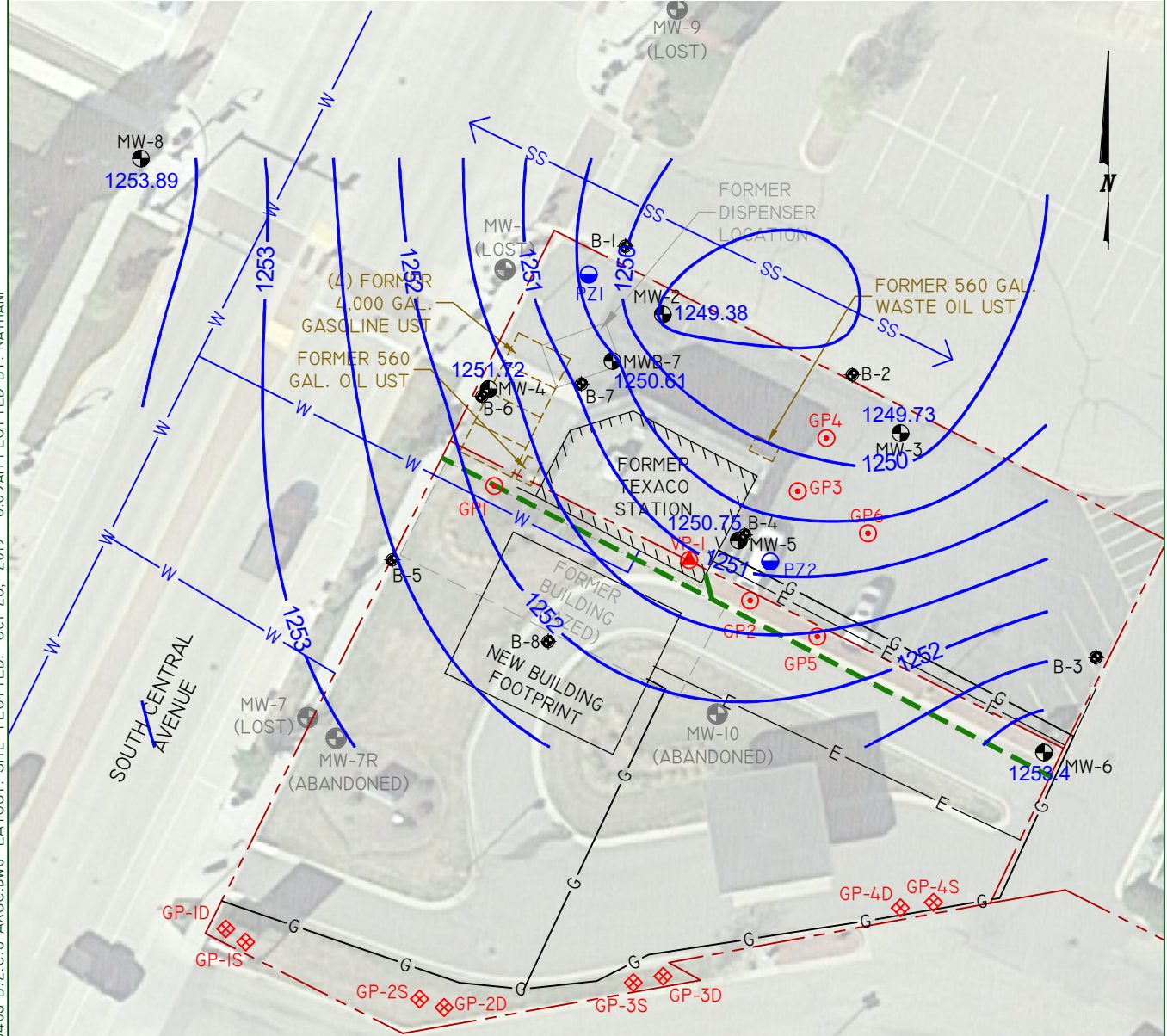
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PIONEER BANK — FORMER TEXACO STATION
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE B.3.C.4: GROUNDWATER FLOW DIRECTION (7/19/2018)	
PROJECT NO.	DATE:
5403 AXUC	09/27/2019
DRAWN BY:	
STH	

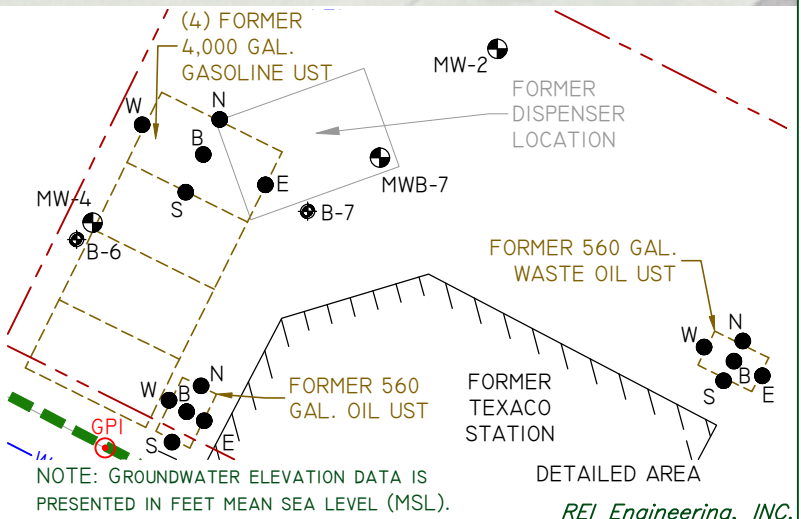
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LEGEND

0 40
SCALE: 1" = 40'

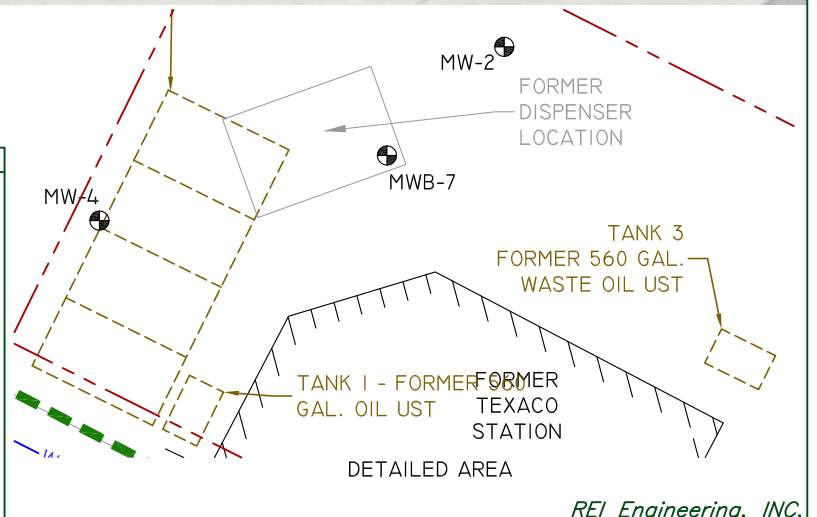
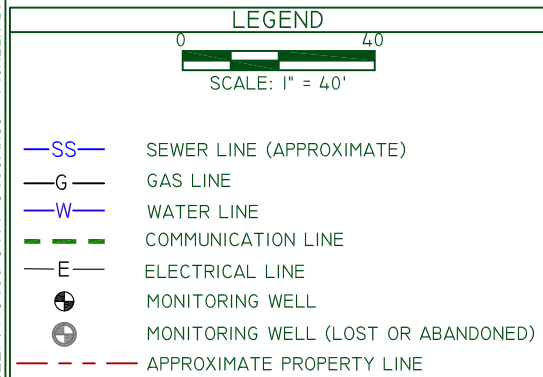
- SS— SEWER LINE (APPROXIMATE)
- G— GAS LINE
- W— WATER LINE
- - - COMMUNICATION LINE
- E— ELECTRICAL LINE
- TANK SOIL SAMPLES (PROVIDED BY AECOM)
- ⊙ MONITORING WELL
- ⊙ PIEZOMETER
- ⊙ TEMPORARY WELLS (AECOM) - ABANDONED
- ⊙ MONITORING WELL (LOST OR ABANDONED)
- ⊙ 2017 GEOPROBE BORING
- ⊙ 2012 GEOPROBE BORING
- ⊙ SUB-SLAB VAPOR SAMPLE
- - - APPROXIMATE PROPERTY LINE



PIONEER BANK – FORMER TEXACO STATION
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE B.3.C.5: GROUNDWATER FLOW DIRECTION (10/18/2018)	
PROJECT NO.	DATE:
5403 AXUC	09/26/2019
DRAWN BY:	STH

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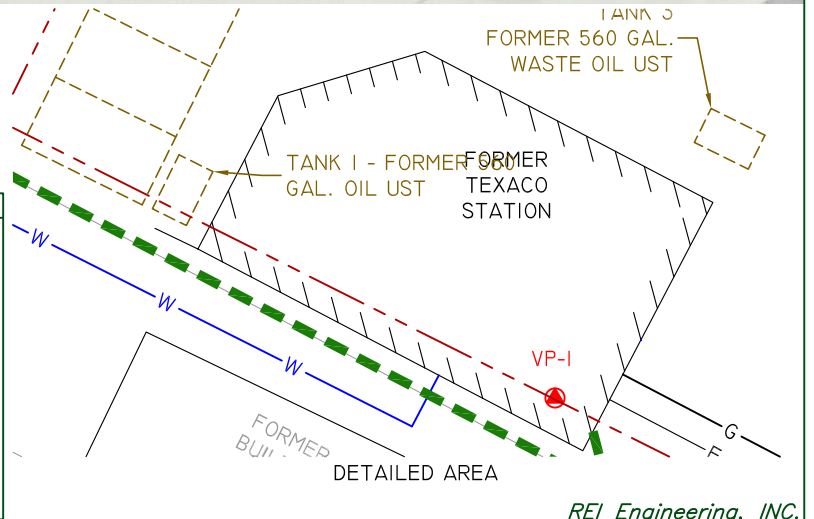


REI Engineering, INC.

PIONEER BANK – FORMER TEXACO STATION
 701 SOUTH CENTRAL AVENUE
 MARSHFIELD, WISCONSIN

FIGURE B.3.d: MONITORING WELLS		DATE: 09/27/2019	
PROJECT NO.	5403 AXUC	DRAWN BY:	STH

DRAWING FILE: P:\54400-5499\5403AXUC - PIONEER BANK PECCA.DWG\54403-B-4-A-AXUC.DWG LAYOUT: SITE PLOTTED: FEB 19, 2020 - 4:01PM PLOTTED BY: BEND



LEGEND

0 40
SCALE: 1" = 40'

- SS— SEWER LINE (APPROXIMATE)
- G— GAS LINE
- W— WATER LINE
- - - COMMUNICATION LINE
- E— ELECTRICAL LINE
- SUB-SLAB VAPOR SAMPLE
- - - APPROXIMATE PROPERTY LINE

PIONEER BANK – FORMER TEXACO STATION
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE B.4.a: VAPOR MAP		<i>REI Engineering, INC.</i>
PROJECT NO.	5403 AXUC	DRAWN BY: STH
		DATE: 09/27/2019

Attachment C: Documentation of Remedial Action

Items Bolded Apply to This Closure Request

- C.1. Site Investigation Documentation Not Previously Submitted – Not applicable, all documentation was previously submitted
- C.2. Investigative and Remedial Waste Disposal Documentation – Not applicable, all investigative waste disposal documentation previously submitted
- C.3. Methodology for Determining Residual Contaminant Levels (RCLs) – Current standards and tables used to determine RCLs
- C.4. Construction Documentation – Not applicable, no construction performed
- C.5. Decommissioning of Remedial Systems – Not applicable, no system was installed
- C.6. Other – No other information is relevant to this closure form for this section

Attachment D: Maintenance Plan(s) and Photographs

Items Bolded Apply to This Closure Request

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

D.2. Location Map

D.2.a. New Cap – Former Judge’s Cleaners

D.2.b. New Cap – Former Texaco Station

D.3. Photographs

D.4. Inspection Log

D.1 Description of Maintenance Actions

February 19, 2020

Pioneer Bank – Former Texaco Station and Former Judge’s Cleaners
701 S. Central Avenue
Marshfield, WI 5449

BRRTS #02-72-522339

BRRTS #03-72-521604

Wood County Parcel ID: 33-01703A

Introduction

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

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

- The case file in the DNR West Central Region office
- At <http://dnr.wi.gov/topic/Brownfields/wrrd.html>, which includes:
 - o BRRTS on the Web (DNR’s internet-based database of contaminated sites) for the link to a PDF for site-specific information at the time of closure and on continuing obligations;
 - o RR Sites Map for a map view of the site, and
- The DNR project manager for Fond du Lac County.

Description of Contamination

Soil contaminated by unleaded gasoline is located at a depth of approximately 2-16 feet below land surface (bls) at the area below the dispenser canopy. Groundwater contaminated by unleaded gasoline is located at a depth of 2 feet bls. The extent of the soil and groundwater contamination is shown on the attached Figure D.2.

Description of the [Cover/Barrier] to be Maintained

The barrier consists of eight (8) inches of asphalt. It is located over the entire area of soil and groundwater contamination as shown on the attached Figure D.2.

Cover/Building/Slab/Barrier Purpose

The barrier over the contaminated soil plume exceeding non-industrial direct contact standards will serve as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. The barrier also acts as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in ch. NR 140, Wisconsin Administrative Code. Based on the current use of the property, as a retail petroleum sales facility and convenience store, the barrier should function as intended unless disturbed.

Annual Inspection

The barrier overlying the contaminated soil as depicted in the attached figures will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks greater than ¼" and other potential problems that can cause exposure to or additional infiltration into underlying soils. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed and where infiltration from the surface will not be effectively minimized will be documented.

A log of the inspections and any repairs will be maintained by the property owner and is included as D.4, Form 4400-305, Continuing Obligations Inspection and Maintenance Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed and where infiltration from the surface will not be effectively minimized. Once repairs are completed, they will be documented in the inspection log. A copy of the maintenance plan and inspection log will be kept at the site available for submittal or inspection by Wisconsin Department of Natural Resources (DNR) representatives upon their request.

Maintenance Activities

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling or larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment (PPE). The owner must also sample any soil that is excavated from the site prior to disposal to ascertain if contamination remains. The soil must be treated, stored and disposed of by the owner in accordance with applicable local, state and federal law.

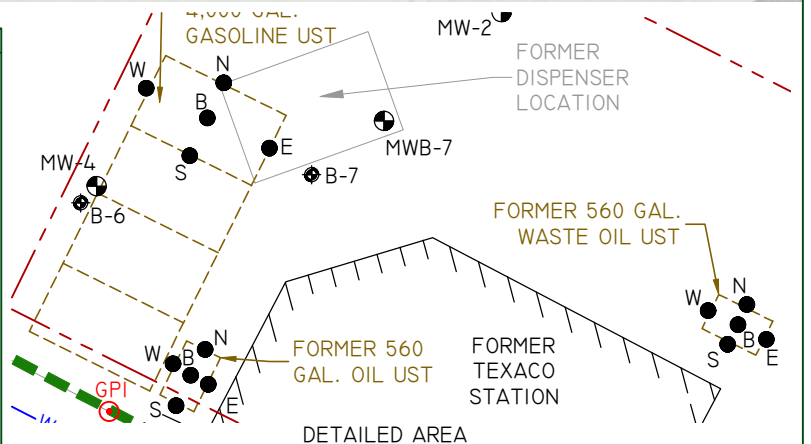
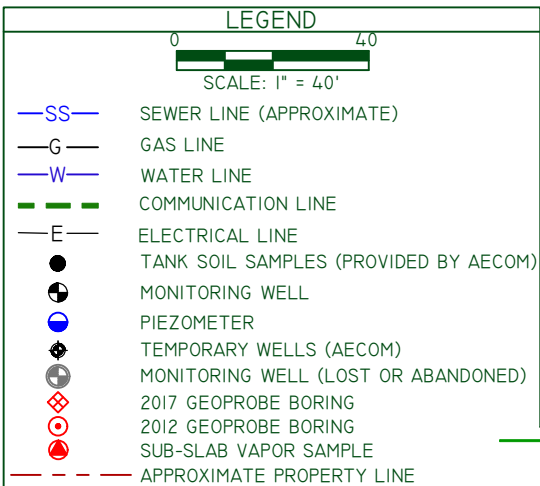
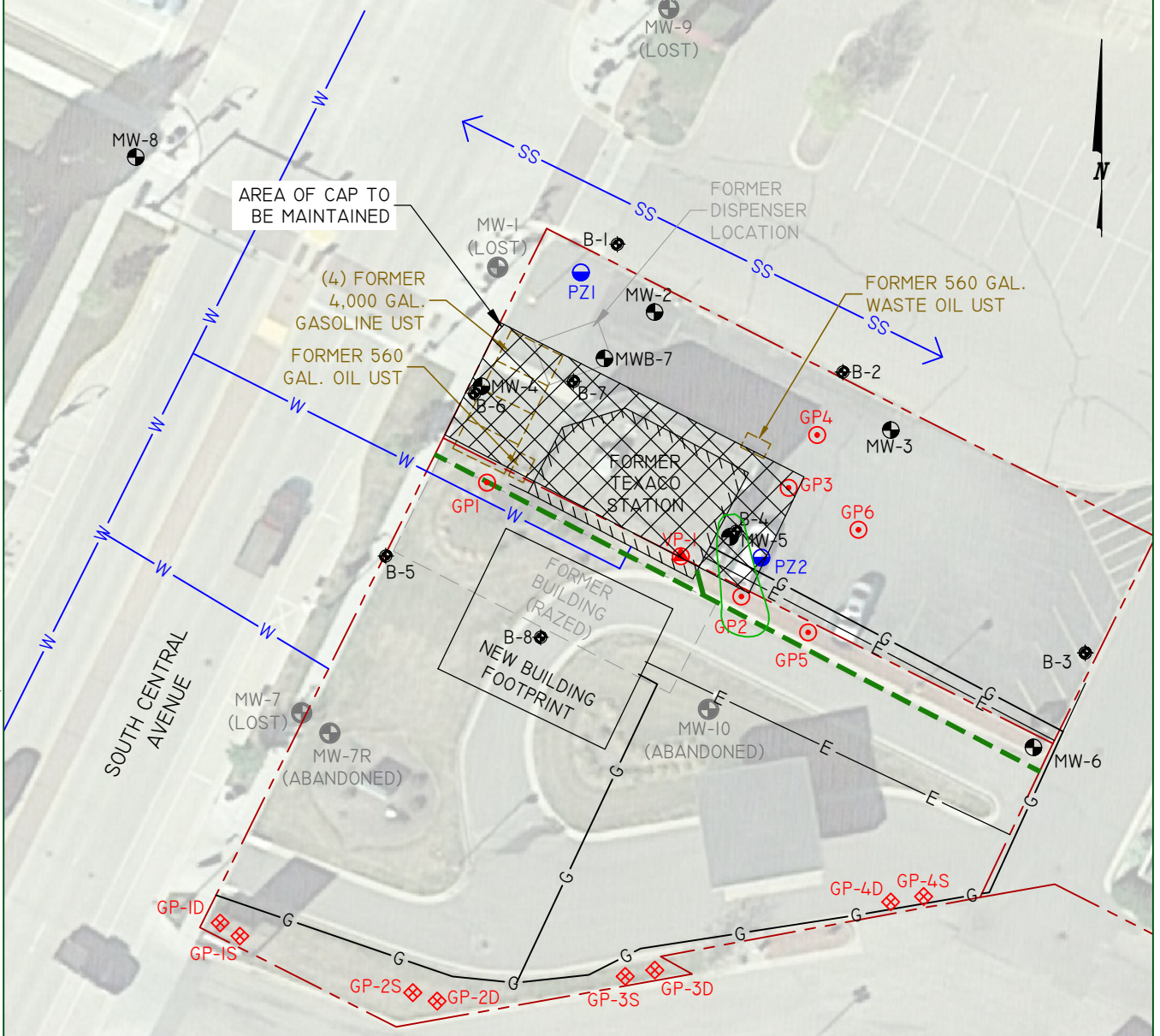
In the event the barrier overlying the contaminated soil and groundwater is removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the DNR or its successor.

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

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

The following activities are prohibited on any portion of the property where [pavement, a building foundation, soil cover, engineered cap or other barrier] is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; 6) construction or placement of a building or other structure; 7) changing the use or occupancy of the property to a residential exposure setting, which may include certain uses, such as single or multiple family residences, a school, day care, senior center, hospital, or similar residential exposure settings.

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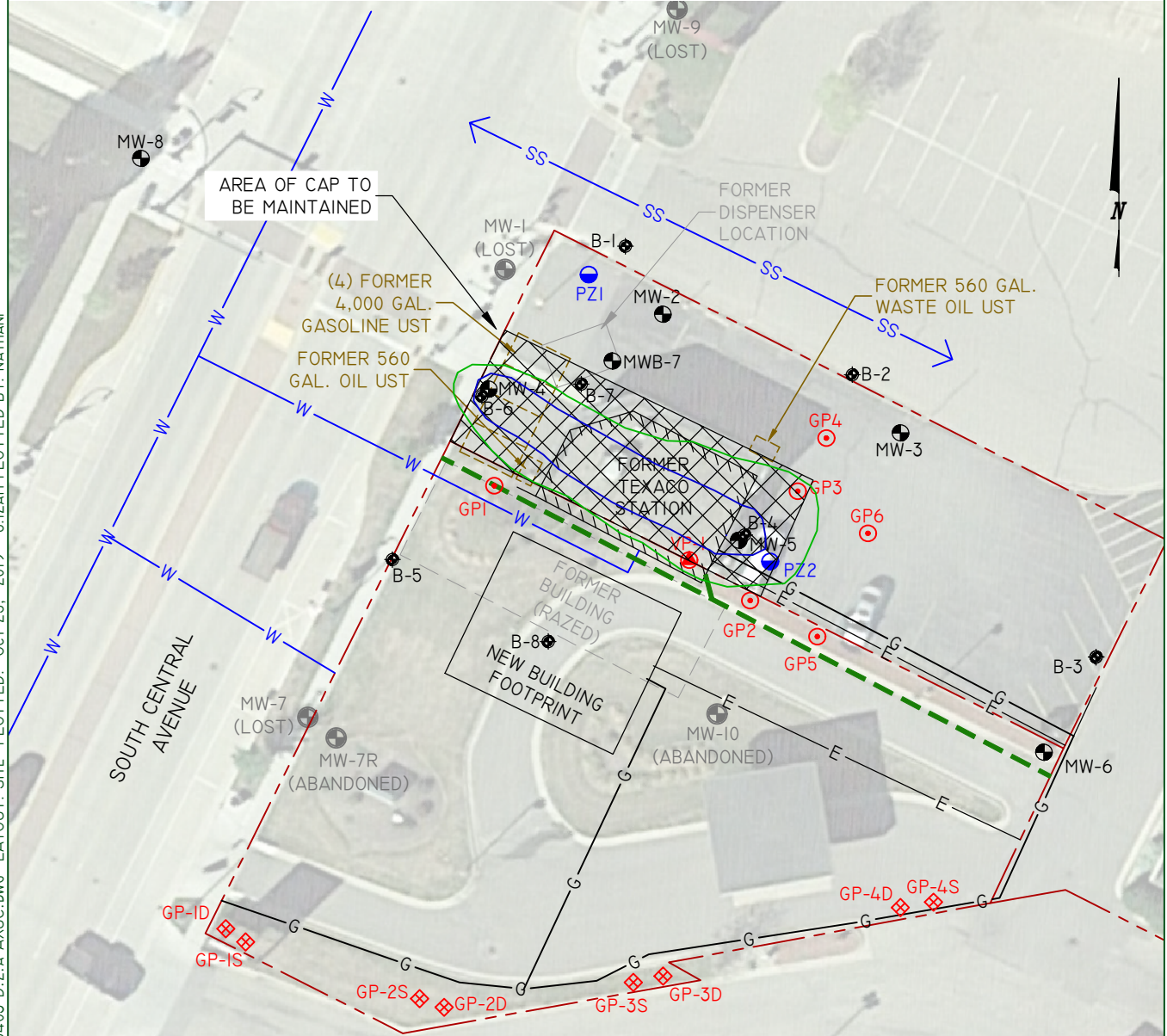
ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING THE NR 720 GROUNDWATER PATHWAY PROTECTION RCL FOR CHLORINATED COMPOUNDS

REI Engineering, INC.

PIONEER BANK – FORMER JUDGE’S CLEANERS
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE D.2.a: NEW CAP		DATE: 05/29/2019	
PROJECT NO.	5403	DRAWN BY:	STH

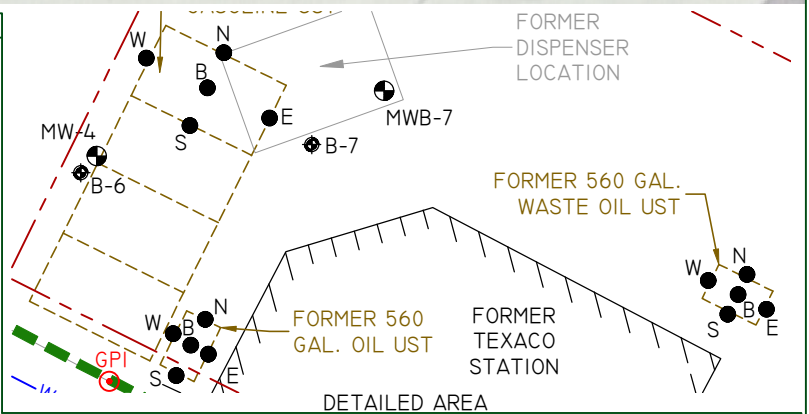
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LEGEND

0 40
SCALE: 1" = 40'

- SS— SEWER LINE (APPROXIMATE)
- G— GAS LINE
- W— WATER LINE
- G— COMMUNICATION LINE
- E— ELECTRICAL LINE
- TANK SOIL SAMPLES (PROVIDED BY AECOM)
- MONITORING WELL
- PIEZOMETER
- TEMPORARY WELLS (AECOM) - ABANDONED
- MONITORING WELL (LOST OR ABANDONED)
- ◇ 2017 GEOPROBE BORING
- ◇ 2012 GEOPROBE BORING
- ◇ SUB-SLAB VAPOR SAMPLE
- - - APPROXIMATE PROPERTY LINE



— ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING THE NR 720 DIRECT CONTACT RCL FOR PETROLEUM COMPOUNDS.

— ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING THE NR 720 GROUNDWATER PATHWAY PROTECTION RCL FOR PETROLEUM COMPOUNDS. *REI Engineering, INC.*

PIONEER BANK – FORMER TEXACO STATION
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE D.2.b: NEW CAP		DRAWN BY: STH	DATE: 05/29/2019
PROJECT NO.	5403 AXUC		

D.3 Photographs

BRRTS #02-72-522339
BRRTS #03-72-521604

Pioneer Bank

BRRTS No. _____ Activity (Site) Name _____



D.4

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

Activity (Site) Name **Pioneer Bank - Former Judge's Cleaners and Former Texaco Station** BRRTS No. **02-72-522339 and 03-72-521604**

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

- annually
- semi-annually
- other – specify _____

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

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

Attachment E: Monitoring Well Information

Items Bolded Apply to This Closure Request

All wells, not previously abandoned, will be abandoned upon the WDNR granting conditional closure to the site.

MW-1, MW-7, and MW-9 were lost during Department of Transportation expansion of Central Avenue and have no abandonment forms.

Attachment F: Source Legal Documents

Items Bolded Apply to This Closure Request

F.1. Deed

F.2. County Parcel Map

F.3. Verification of Zoning

F.4. Signed Statement

2004R09933

68

WARRANTY DEED

Document Number

REGISTER OF DEEDS
WOOD COUNTY
RECORDED ON

07/13/2004 10:42AM

RENE' L KRAUSE
REGISTER OF DEEDS

Rene L Krause

REC FEE: 13.00
TRANS FEE: 333.30
PAGES: 2

This Deed, made between WASHINGTON SQUARE, INC., a Wisconsin Corporation

Grantor, and PJ PROPERTIES OF MARSHFIELD, LLC

Grantee.

Grantor, for a valuable consideration, conveys to Grantee the following described real estate in WOOD County, State of Wisconsin (the "Property") (if more space is needed, please attach addendum):
SEE ATTACHED RIDER

Recording Area

Name and Return Address

GOETZ ABSTRACT & TITLE, INC.
P.O. BOX 906
WISCONSIN RAPIDS, WI 54495-0906

1300 P Zappen

33-01703A

Parcel Identification Number (PIN)

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

\$ 333.30 Zappen
TRANSFER FEE

Together with all appurtenant rights, title and interests.

Grantor warrants that the title to the Property is good, indefeasible in fee simple and free and clear of encumbrances except

SEE ATTACHED RIDER

Dated this 30th day of JUNE, 2004.

Thomas R. Karau
by **THOMAS R. KARAU**, Vice President

WASHINGTON SQUARE, INC.

John F. Wing
by **JOHN F. WING**, Secretary

AUTHENTICATION

Signature(s) of **THOMAS R. KARAU and JOHN F. WING**

authenticated this 30th day of JUNE, 2004

* **CARL L. MEISSNER**

TITLE: MEMBER STATE BAR OF WISCONSIN

(If not, State Bar No. 1007599

authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY
ATTORNEY CARL L. MEISSNER
MARSHFIELD, WI

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

ACKNOWLEDGMENT

STATE OF _____)
) ss.
_____ County)

Personally came before me this _____ day of _____, _____ the above named

_____ to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

* _____
Notary Public, State of _____
My Commission is permanent. (If not, state expiration date: _____.)

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

RIDER TO WARRANTY DEED

Legal Description:

Lot 2 of Wood County Certified Survey Map No. 7865 (recorded in Volume 27 of Survey Maps at Page 65) being all of Lot 7, Block 231, the Westerly Half of vacated alley adjoining said Lot 7 on the East and part of vacated 7th Street adjoining said Lot 7 on the North, City of Marshfield, Wood County, Wisconsin.

Tax Key No. 33-01703A

Exceptions:

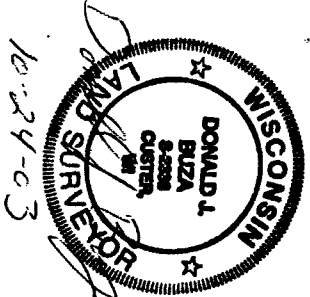
1. Mortgage from Washington Square, Inc. to Marshfield Centre LLC in the amount of \$60,000.00 dated November 5, 2003 and recorded November 11, 2003 at 4:02 p.m., as Document No. 2003R15243, which Mortgage is assumed by Grantee.
2. Remediation Agreement between Washington Square, Inc., and Marshfield Centre, LLC dated November 5, 2003 and recorded November 13, 2003 at 12:07 p.m., as Document No. 2003R15351.
3. Ingress/Egress Easement Agreement between Marshfield Centre LLC and Washington Square, Inc., dated November 5, 2003, and recorded November 11, 2003 at 3:59 p.m., as Document No. 2003R15242.

F.2 County Parcel Map

WOOD COUNTY CERTIFIED SURVEY MAP 7865

A CERTIFIED SURVEY MAP FOR MARSHFIELD CENTRE LLC, LOCATED IN THE NW 1/4 OF THE SW 1/4 AND THE NE 1/4 OF THE SW 1/4 OF SECTION 8, TOWNSHIP 25 NORTH, RANGE 3 EAST, CITY OF MARSHFIELD, WOOD COUNTY, WISCONSIN.

(the following described parcel also being; all of Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 and 14 of Block 230 of the Second Addition to the City of Marshfield; all of Lot 7 and part of Lots 8 & 9 of Block 231 of the Second Addition to the City of Marshfield; all of Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 and 14 of Block 125 of the Third Addition to the City of Marshfield; all of Lots 6 & 7 and part of Lots 2, 3, 4, 5, 8, 9 and 10 of Block 229 of the Third Addition to the City of Marshfield; all that part of vacated alley's, vacated Seventh Street and vacated Maple Avenue located within this survey; all of Certified Survey Map #2895; all of Lot 2 of Certified Survey Map #4778; part of Certified Survey Map #1824; part of Certified Survey Map #2208; part of vacated Chicago & Northwestern Railroad located within this survey.)

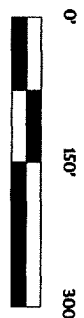
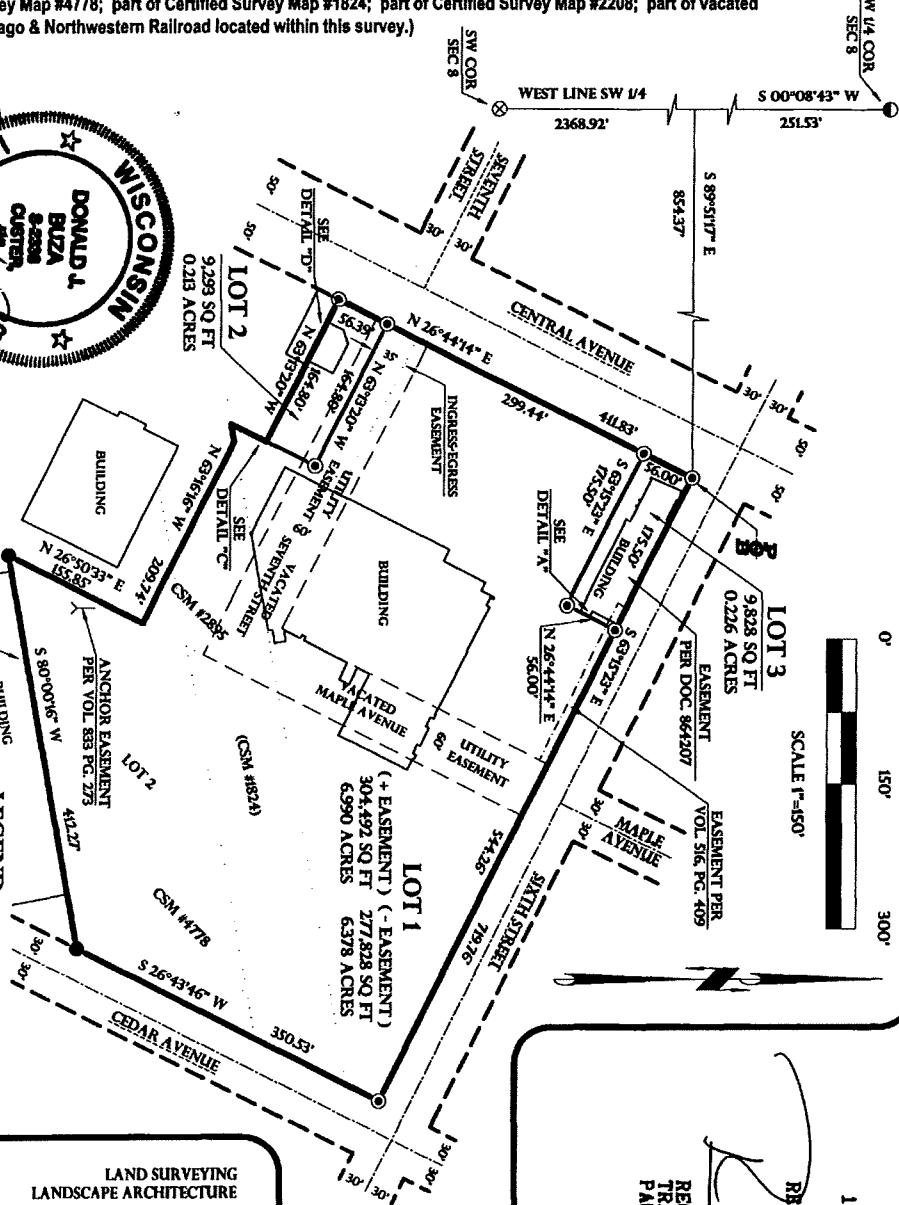


BASE FOR BEARING

IS THE WEST LINE OF THE SW 1/4 OF SEC. 8, ASSUMED TO BEAR N 00°08'43" E.

LEGEND

- 1/4" IRON BAR FOUND
- 2" IRON PIPE FOUND
- ⊗ SURVEY NAIL FOUND
- ⊙ 1" * 18" IRON PIPE SET WEIGHING 168 LBS./LIN. FT.



POINT
BOB
 BEGINNING INC

LAND SURVEYING
 LANDSCAPE ARCHITECTURE
 DONALD J. BUZA
 RLS #2338

THIS INSTRUMENT WAS DRAFTED BY DONALD J. BUZA AND DRAWN BY DALE E. HEWITT

FIELD BOOK B-1 PAGE 69
 JOB # 03.677

SHEET 1 OF 3 SHEETS

REC FEE: 15.00
 TRANS FEE: 3
 PAGES: 3

RENE' L KRAUSE
 REGISTER OF DEEDS

12/05/2003 10:15AM

REGISTER OF DEEDS
 WOOD COUNTY
 RECORDED ON

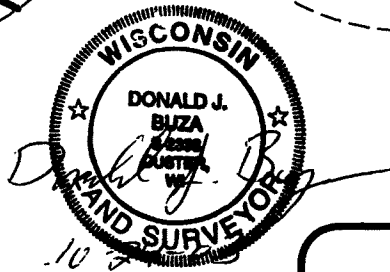
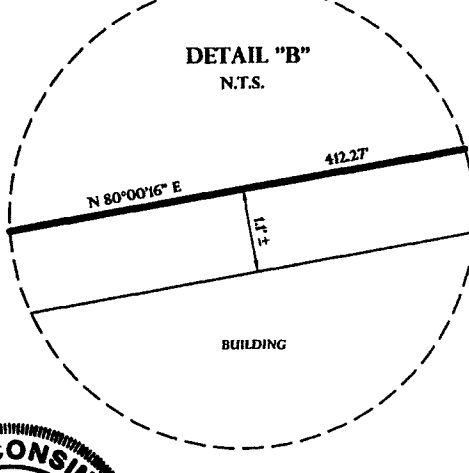
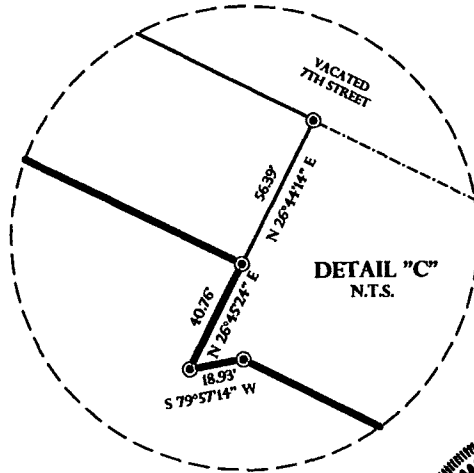
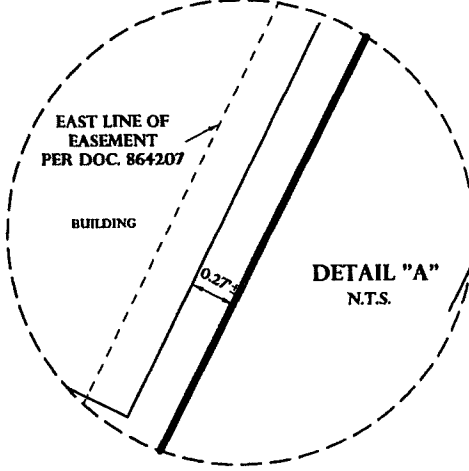
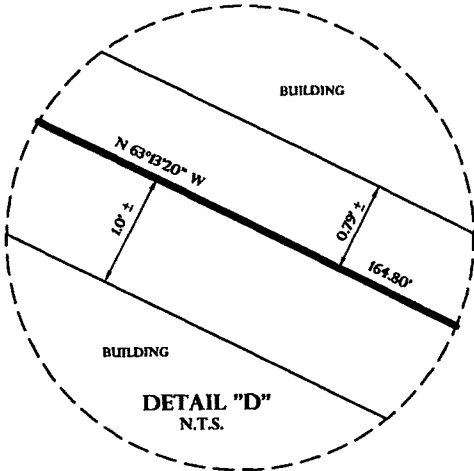
2003R16431

Vol. 27, Pg. 65

EMERSON'S MASSACHUSETTS

F.2 County Parcel Map

WOOD COUNTY CERTIFIED SURVEY MAP 7865



P POINT
O F
B BEGINNING INC

LAND SURVEYING
 LANDSCAPE ARCHITECTURE
 DONALD J. BUZA
 RLS #2338

THIS INSTRUMENT WAS DRAFTED BY DONALD J. BUZA
 AND DRAWN BY DALE E. HEWITT

FIELD BOOK B-1 PAGE 69
 JOB # 03.677

SHEET 2 OF 3 SHEETS

F.2 County Parcel Map

WOOD COUNTY CERTIFIED SURVEY MAP 7865

I, Donald J. Buza, Registered Land Surveyor, hereby certify:

That I have surveyed, divided and mapped that part of the Northwest $\frac{1}{4}$ of the Southwest $\frac{1}{4}$ and the Northeast $\frac{1}{4}$ of the Southwest $\frac{1}{4}$ of Section 8, Township 25 North, Range 3 East, City of Marshfield, Wood County, Wisconsin, more particularly described as follows:

(the following described parcel also being; all of lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, and 14 of Block 230 of the Second Addition to the City of Marshfield; all of Lot 7 and part of Lots 8 and 9 of Block 231 of the Second Addition to the City of Marshfield; all of Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, and 14 of Block 125 of the Third Addition to the City of Marshfield; all of Lots 6 and 7 and part of Lots 2, 3, 4, 5, 8, 9 and 10 of Block 229 of the Third Addition to the City of Marshfield; all that part of vacated alley's, vacated Seventh Street and vacated Maple Avenue located within the following description; all of Certified Survey Map #2895; all of Lot 2 Certified Survey Map #4778; part of Certified Survey Map #1824; part of Certified Survey Map #2208; part of vacated Chicago & Northwestern Railroad located within the following description.)

Commencing at the West $\frac{1}{4}$ corner of said Section 8, Township 25 North, Range 3 East; thence S $00^{\circ}08'43''$ W along the West line of the Southwest $\frac{1}{4}$ of said Section 8, 251.53 feet; thence S $89^{\circ}51'17''$ E, 854.37 feet to the intersection of the Easterly line of Central Avenue and the Southerly line of Sixth Street and the point of beginning (POB) of the parcel to be described; thence S $63^{\circ}15'23''$ E along the Southerly line of Sixth Street, 719.76 to the Westerly line of Cedar Avenue; thence S $26^{\circ}43'46''$ W along the said Westerly line of Cedar Avenue, 350.53 feet; thence S $80^{\circ}00'16''$ W, 412.27 feet; thence N $26^{\circ}50'33''$ E, 155.85 feet; thence N $63^{\circ}16'16''$ W, 209.74 feet; thence S $79^{\circ}57'14''$ W, 18.93 feet; thence N $26^{\circ}45'24''$ E, 40.76 feet; thence N $63^{\circ}13'20''$ W, 164.80 feet to the Easterly line of Central Avenue; thence N $26^{\circ}44'14''$ E along the said Easterly line of Central Avenue, 411.83 feet to the point of beginning.

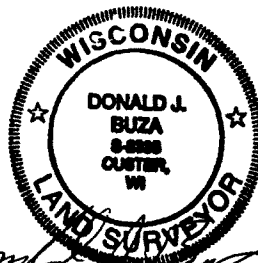
Subject to covenants, conditions, restrictions, right-of-ways and easements of record.

That I have made such survey, land division and plat by the direction of Marshfield Centre, LLC.

That such plat is a correct representation of all exterior boundaries of the land surveyed and the subdivision thereof made.

That I have fully complied with the provisions of Chapter 236.34 of the Wisconsin Statutes and the Subdivision Ordinances of the City of Marshfield in surveying, dividing and mapping the same.

Dated this 24th day of October, 2003.



Donald J. Buza
R.L.S. No. S-2338

City of Marshfield Approval Certificate

This Certified Survey Map is hereby approved in accordance with Chapter 18.04(3) of the Municipal Code.

Dated this 27th day of OCTOBER, 2003.



Thomas R. Turchi, P.E., City Engineer

Prepared by:
Point Of Beginning, Inc.
1101 Brilowski Road, Suite D
Stevens Point, WI 54481

Prepared for:
Marshfield Centre, LLC
631 South Hickory Street
Fond Du Lac, WI 54935

Job #03.677

Tax key number: 33-01703A

Property address: 701 S Central Ave

Owner: Pj Properties of Mfld LLC
106 E 4th St
Marshfield, WI 54449

Zoning: Downtown Mix DMU

Traffic / water / sanitary: Medium / City water / Sewer

Legal description: C - MFLD LOT 2, WOOD CO CSM #7865, BNG PRT OF BLK 231, VAC ALLEY & VAC 7TH ST. 701 S CENTRAL AVE

Summary of Assessment	
Land	\$53,100
Improvements	\$61,600
Total value	\$114,700

Land								Description	Assess Value
Qty	Land Use	Width	Depth	Square Feet	Acres	Water Frontage			
1	Commercial	56	165	9,240	0.212	None	85-1 Primary C17	\$53,100	

Commercial Building (PJ Properties of Marshfield LLC)

Section name: Section 1
Year built:
% complete: 0%
Stories: 0.00
Perimeter: 0 LF
Total area: 0 SF (all stories)



Other Improvements		
Tax Class	Description	Assess Value
Commercial	Total improvements value	\$61,600

2019 Property Records for City of Marshfield, Wood County

May 24, 2019

Building Permits				
Issued	Permit #	Purpose	\$ Amount	Completed
6/20/2014	20140643	SIGN	\$0	1/1/2015
6/20/2014	20140644	SIGN	\$0	1/1/2015
9/26/2011	20111116	Rplc rooftop h/c units n/c	\$3,900	9/25/2012
11/17/2010	20101390	SIGN	\$3,732	1/1/2011
12/4/2007	07-1545	Metal facing, wdws, doors n/c	\$1,500	12/3/2008
2/1/1994	25741	PP Sign	\$1,500	2/1/1995
11/14/1989	22388	Remodel interior, walk, signs	\$20,000	11/14/1990
8/3/1984	18308	PP Sign	\$0	8/3/1985
9/22/1981	16427	Remodel Interior	\$0	9/22/1982
8/17/1981	16336	Heating & Air Cond	\$2,000	8/17/1982
5/12/1981	16004	Texaco Station	\$8,000	5/12/1982
1/1/1970	0000	Siding & canopy	\$8,000	1/1/1971

Sales History		
Date	Price	Type
6/30/2004	\$111,100	Valid vacant sale

F.4 Signed Statement

September 25, 2019

PJ Properties of Marshfield, LLC

Attn: Pat Schreiner
106 E. 4th Street
Marshfield, WI 54449

Subject:

Pioneer Bank
701 S. Central Avenue
Marshfield, WI 54449
BRRTS No. #02-72-522339 #03-72-521604

**Legal Description – 701 S. Central Avenue
Parcel ID: 33-01703A**

Lot 2 of Wood County Certified Survey Map No. 7865 (recorded in Volume 27 of Survey Maps at Page 65) being all of Lot 7, Block 231, the Westerly Half of vacated alley adjoining said Lot 7 on the East and part of vacated 7th Street adjoining said Lot 7 on the North, City of Marshfield, Wood County, Wisconsin.

I have reviewed the above-mentioned legal description and hereby certify that they are correct for the Pioneer Bank Site located at 701 S. Central Avenue in the City of Marshfield, Wood County, Wisconsin.



Pat Schreiner (PJ Properties of Marshfield, LLC)

9-25-19

Date

Attachment G: Signed Statement for Other Affected Properties

Items Bolded Apply to This Closure Request

G.a. Notification to Owners of Affected Properties – Central Avenue Right-of-Way

**Notification of Continuing Obligations
and Residual Contamination**

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

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

207 W. 6th Street
Marshfield, WI, 54449

Dear Mr. Knoeck:

I am providing this notification to inform you of the location and extent of contamination remaining in a right-of-way for which you are responsible, and of certain long-term responsibilities (continuing obligations) for which city of Marshfield may become responsible. I investigated a release of:

petroleum products

on 701 S. Central Avenue, Marshfield, WI, 54449 that has shown that contamination

has migrated into the right-of-way for which PJ Properties is responsible.

I have responded to the release, and will be requesting that the Department of Natural Resources (DNR) grant case closure. Closure means that the DNR will not be requiring any further investigation or cleanup action to be taken.

However, continuing obligations may be imposed as a condition of closure approval.

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

The DNR will not review my closure request for at least 30 days after the date of this letter. As an affected right-of-way holder, you have a right to contact the DNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the DNR that is relevant to this closure request, you should mail that information to the DNR contact: 1300 W. Clairemont Avenue, Eau Claire, WI, 54701, or at matthewa.thompson@wisconsin.gov.

Residual Contamination:

Groundwater Contamination:

Groundwater contamination originated at the property located at: 701 S. Central Avenue, Marshfield, WI, 54449 .

The levels of
Benzene

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

Soil Contamination:

Soil contamination remains at:
the eastern right-of-way boundary.

The remaining contaminants include :

Benzene, Trimethylbenzene, Ethylbenzene, Methyl-tert-butyl ether (MTBE), and Toluene.

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

Removal of soil and long term groundwater and vapor monitoring.

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

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

Notification of Continuing Obligations and Residual Contamination

Residual Soil Contamination:

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

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

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

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

Filling and Sealing Monitoring Wells:

A monitoring well or wells remain in the right-of-way. If located, remaining wells need to be filled and sealed in accordance with ch. NR 141, Wis. Adm. Code. Documentation of well filling and sealing needs to be provided to the DNR on form 3300-005, at <http://dnr.wi.gov/files/pdf/forms/3300/3300-005.pdf>. A map, Figure B3A , which shows the location of well # MW-1, MW-7, MW-9, is attached.

GIS Registry and Well Construction Requirements:

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

DNR approval prior to well construction or reconstruction is required for all sites included in the GIS Registry, in accordance with s. NR 812.09 (4) (w), Wis. Adm. Code. This requirement applies to private drinking water wells and high capacity wells. Special well construction standards may be necessary to protect the well from the remaining contamination. Well drillers need to first obtain approval from a regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at <https://dnr.wi.gov/files/PDF/forms/3300/3300-254.pdf>

If you have any questions regarding this notification, I can be reached at: (715) 675-9784 ,
dlarsen@REIEngineering.com .

<i>Signature of responsible party/environmental consultant for the responsible party</i> <i>Benjamin DeGner</i>	Date Signed 11/5/2019
--	--------------------------

Attachments

Contact Information

Legal Description for each Parcel:

Maps:

Well Location Map

A map, Figure B3A Date 11/05/2019

**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 PJ Properties of Marshfield, LLC

Contact Person Last Name Schreiner	First Pat	MI	Phone Number (include area code) (715) 387-1245
Address 106 E. 4th Street	City Marshfield	State WI	ZIP Code 54449
E-mail			

Name of Party Receiving Notification:

Business Name, if applicable: City of Marshfield

Title Mr.	Last Name Knoeck	First Dan	MI	Phone Number (include area code) (715) 387-8424
Address 207 W. 6th Street	City Marshfield	State WI	ZIP Code 54449	

Site Name and Source Property Information:

Site (Activity) Name Pioneer Bank - Former Texaco Station

Address 701 S. Central Avenue	City Marshfield	State WI	ZIP Code 54449
DNR ID # (BRRTS#) 03-72-521604	(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: REI Engineering, Inc.

Contact Person Last Name Larsen	First David	MI	Phone Number (include area code) (715) 675-9784
Address 4080 N. 20th Avenue	City Wausau	State WI	ZIP Code 54401
E-mail <u>dlarsen@REIengineering.com</u>			

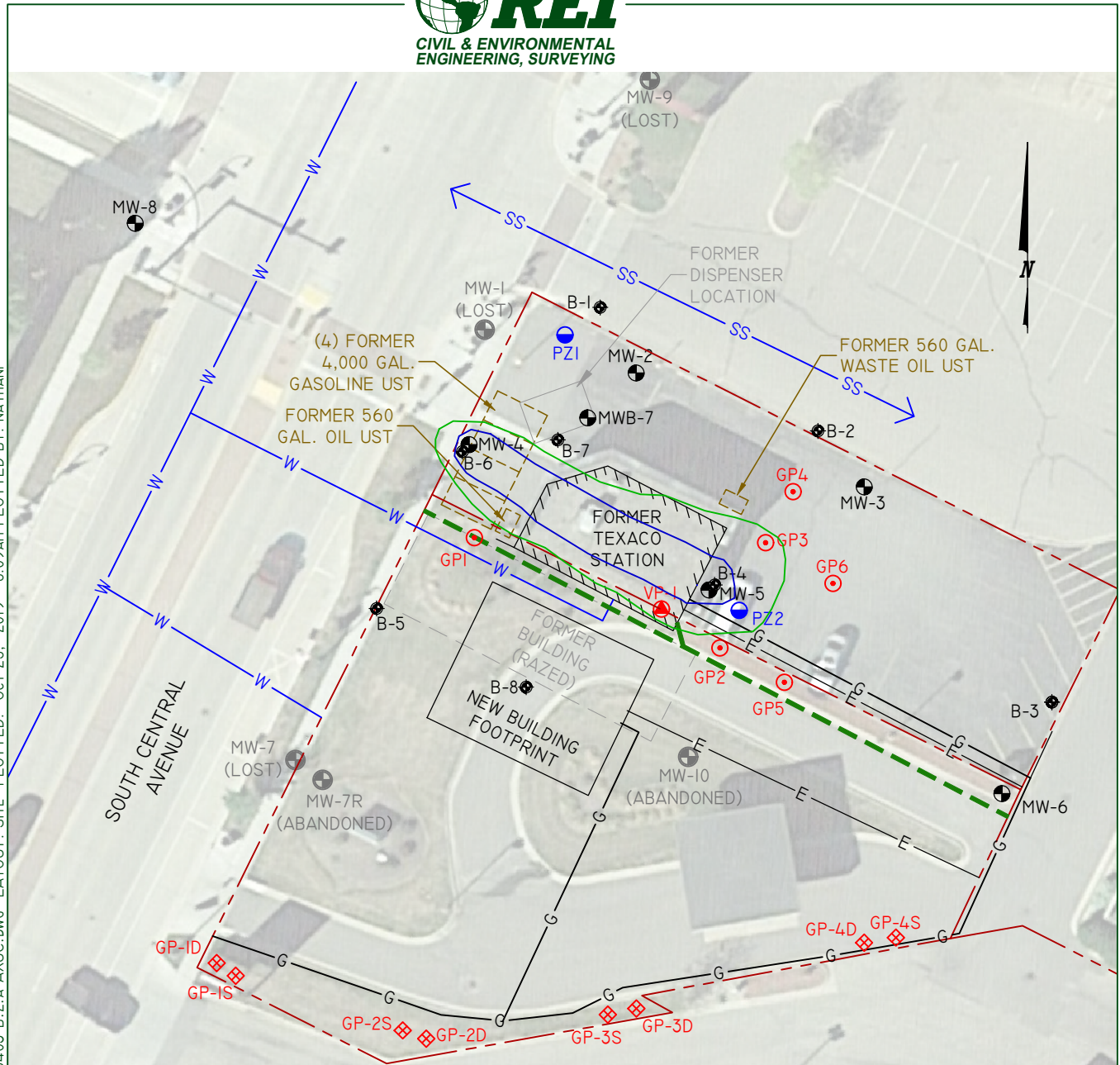
Department Contact:

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

Department of: Natural Resources (DNR) Office: Eau Claire

Address 1300 W. Clairemont Avenue	City Eau Claire	State WI	ZIP Code 54701
Contact Person Last Name Thompson	First Matt	MI	Phone Number (include area code) (715) 839-3750
E-mail (Firstname.Lastname@wisconsin.gov) <u>matthewa.thompson@wisconsin.gov</u>			

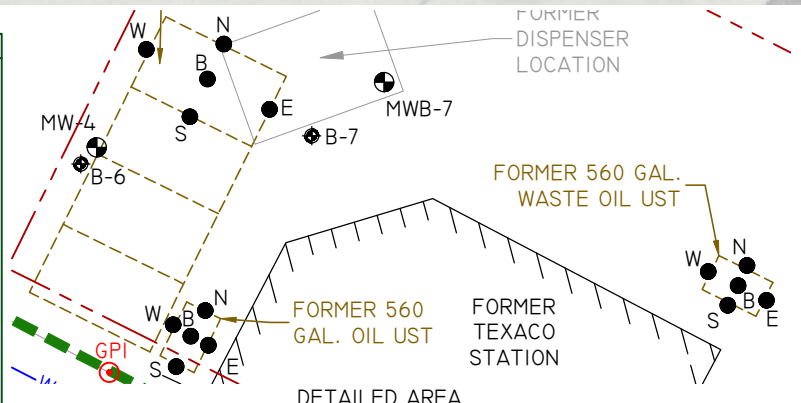
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LEGEND

0 40
SCALE: 1" = 40'

- SS— SEWER LINE (APPROXIMATE)
- G— GAS LINE
- W— WATER LINE
- - - COMMUNICATION LINE
- E— ELECTRICAL LINE
- TANK SOIL SAMPLES (PROVIDED BY AECOM)
- ⊙ MONITORING WELL
- ⊙ (with blue center) PIEZOMETER
- ⊙ (with black center) TEMPORARY WELLS (AECOM) - ABANDONED
- ⊙ (with grey center) MONITORING WELL (LOST OR ABANDONED)
- ⊙ (with red center) 2017 GEOPROBE BORING
- ⊙ (with red center) 2012 GEOPROBE BORING
- ⊙ (with red center) SUB-SLAB VAPOR SAMPLE
- - - APPROXIMATE PROPERTY LINE



DETAILED AREA

— (blue line) ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING THE NR 720 DIRECT CONTACT RCL FOR PETROLEUM COMPOUNDS.

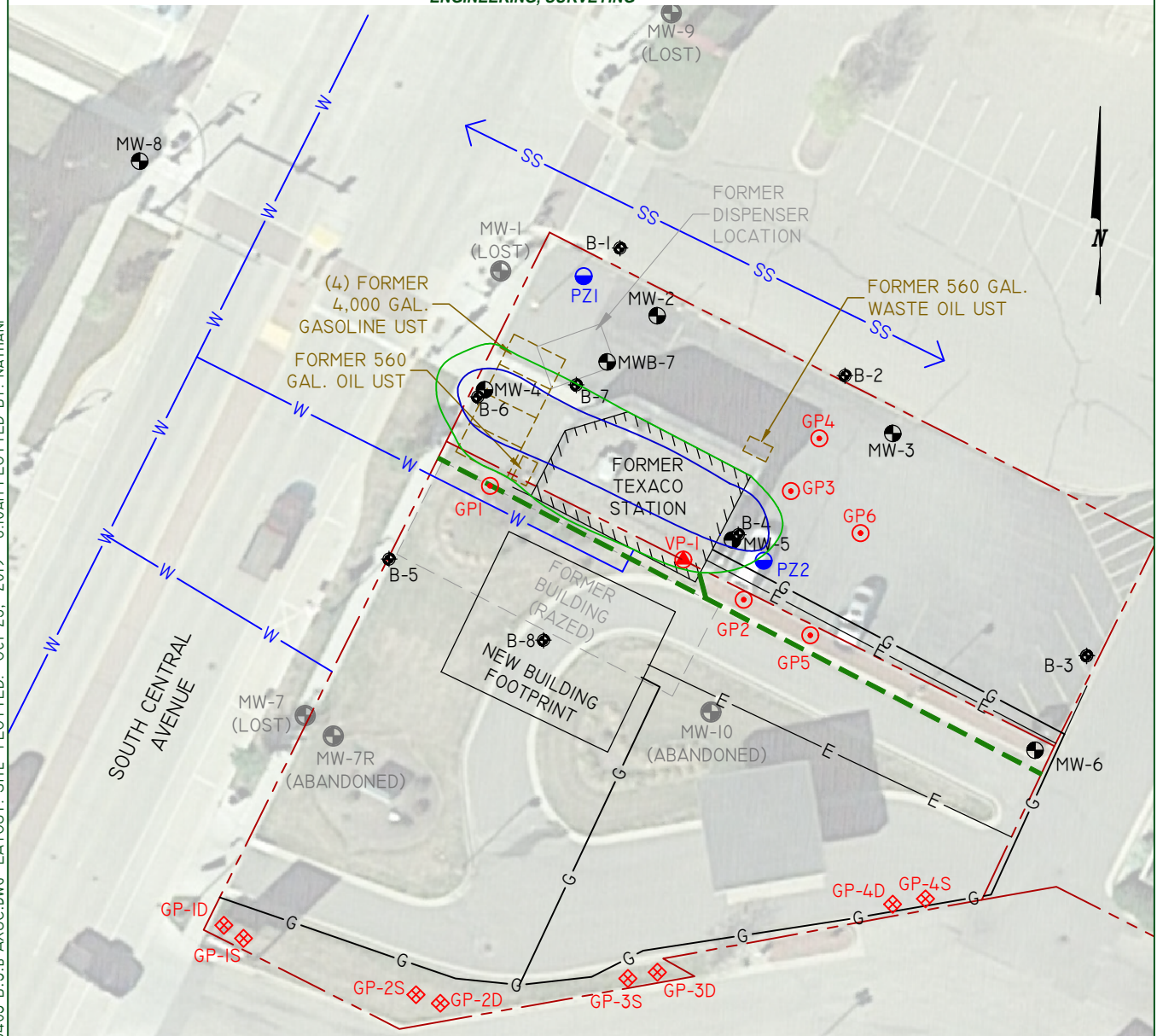
— (green line) ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING THE NR 720 GROUNDWATER PATHWAY PROTECTION RCL FOR PETROLEUM COMPOUNDS.

REI Engineering, INC.

PIONEER BANK – FORMER TEXACO STATION
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE B.2.a: SOIL CONTAMINATION			
PROJECT NO.	5403 AXUC	DRAWN BY:	STH
		DATE:	09/26/2019

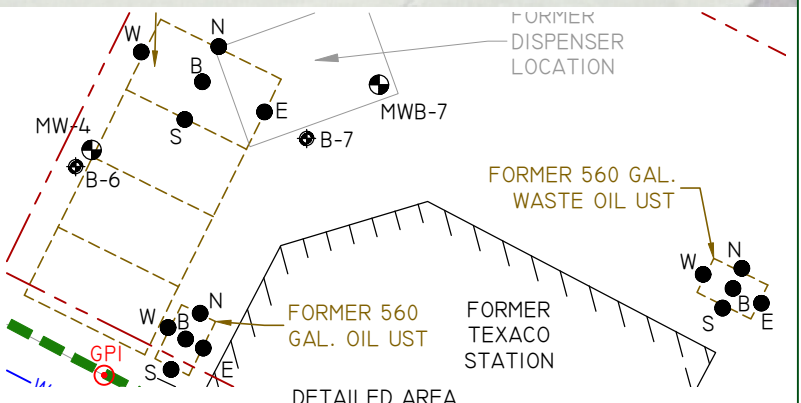
DRAWING FILE: P:\15400-5499\15403\AXUC - PIONEER BANK PECFA\DWG\15403-B.3-B-AXUC.DWG LAYOUT: SITE PLOTTED: Oct 25, 2019 - 8:10AM PLOTTED BY: NATHANP



LEGEND

0 40
SCALE: 1" = 40'

- SS— SEWER LINE (APPROXIMATE)
- G— GAS LINE
- W— WATER LINE
- - - COMMUNICATION LINE
- E— ELECTRICAL LINE
- TANK SOIL SAMPLES (PROVIDED BY AECOM)
- MONITORING WELL
- PIEZOMETER
- TEMPORARY WELLS (AECOM) - ABANDONED
- MONITORING WELL (LOST OR ABANDONED)
- 2017 GEOPROBE BORING
- 2012 GEOPROBE BORING
- SUB-SLAB VAPOR SAMPLE
- APPROXIMATE PROPERTY LINE



DETAILED AREA

- ESTIMATED EXTENT OF DISSOLVED PHASE GROUNDWATER CONTAMINATION EXCEEDING THE NR 140 ENFORCEMENT STANDARD (ES) FOR PETROLEUM COMPOUNDS.
- ESTIMATED EXTENT OF DISSOLVED PHASE GROUNDWATER CONTAMINATION EXCEEDING THE NR 140 PREVENTATIVE ACTION LIMIT (PAL) FOR PETROLEUM COMPOUNDS.

PIONEER BANK – FORMER TEXACO STATION
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE B.3.b: GROUNDWATER ISOCONCENTRATION	
PROJECT NO. 5403 AXUC	DRAWN BY: STH
DATE: 09/26/2019	