

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

For: Auto Repair on Vliet
BRRTS # 03-41-286924

June 8, 2020



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June 8, 2020

BRRTS# 03-41-286924

Jennifer Dorman, Environmental Program Associate
WDNR Remediation and Redevelopment Program
Southeast Region Office
2300 North Martin Luther King Drive
Milwaukee, WI 53212

RE: Auto Repair on Vliet

Dear Ms. Dorman,

The \$1,050 Closure Review Fee, and \$650.00 GIS Registry fees (Soil and Groundwater) for the Auto Repair on Vliet site (BRRTS# 03-41-286924) in Milwaukee, Wisconsin have been placed as a lien on the property deed. The complete closure submittal is being sent to Riley Neumann of the Wisconsin Department of Natural Resources.

Sincerely,

A handwritten signature in cursive script that reads "Jason T. Powell".

Jason T. Powell
Staff Scientist

c: Raisa Beyder c/o Anna Shtivelberg (POA) – Client

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Attachment A/Data Tables

Attachment B/Maps, Figures, and Photos

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Attachment E/Monitoring Well Information

Attachment F/Source Legal Documents

Attachment G/Notifications to Owners of Affected Properties

SUBMIT AS UNBOUND PACKAGE IN THE ORDER SHOWN

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

Site Information			
BRRTS No.	VPLE No.		
03-41-286924			
Parcel ID No.			
36-49-988000			
FID No.	WTM Coordinates		
341043340	X	687365	Y 288242
BRRTS Activity (Site) Name	WTM Coordinates Represent:		
Auto Repair on Vliet	<input checked="" type="checkbox"/> Source Area <input type="checkbox"/> Parcel Center		
Site Address	City	State	ZIP Code
2481 W Vliet Street	Milwaukee	WI	53205
Acres Ready For Use	0.12		

Responsible Party (RP) Name
Raisa Beyder c/o Anna Shtivelberg (POA)
Company Name

Mailing Address	City	State	ZIP Code
242 E. Ravine Bay Rd	Bayside	WI	53217
Phone Number	Email		
(414) 736-1495	rusbvs@hotmail.com		

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

Environmental Consultant Name
Ron Anderson
Consulting Firm
METCO

Mailing Address	City	State	ZIP Code
709 Gillette Street Suite 3.	La Crosse	WI	54603
Phone Number	Email		
(608) 781-8879	rona@metcohq.com		

Fees and Mailing of Closure Request

1. **Send a copy of page one** of this form and the applicable ch. NR 749, Wis. Adm. Code, fee(s) to the DNR Regional EPA (Environmental Program Associate) at <http://dnr.wi.gov/topic/Brownfields/Contact.html#tabx3>. Check all fees that apply:

- \$1,050 Closure Fee
- \$300 Database Fee for Soil
- \$350 Database Fee for Groundwater or Monitoring Wells (Not Abandoned)
- Total Amount of Payment \$ \$1,700.00
- Resubmittal, Fees Previously Paid

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

Site Summary

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

1. General Site Information and Site History

- A. Site Location: Describe the physical location of the site, both generally and specific to its immediate surroundings.
The Auto Repair on Vliet site, 2481 W Vliet Street is located at the SW 1/4, SW 1/4, Section 19, Township 7 North, Range 22 East, in Milwaukee, Milwaukee County, WI. The site is bound by W Vliet Street to the north, a vacant lot to the east, a public alley to the south, and N 25th Street to the west.
- B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.
A gas station and auto repair facility was constructed on the subject property in 1935. The gas station operated until 1987, when two 500-gallon gasoline USTs were abandoned in place. Today, the property continues to operate as an auto repair facility.
- C. Current zoning (e.g., industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).
According to Milwaukee County, the Auto Repair on Vliet site is zoned as Commercial - local business. Properties to the north east and west are zoned as Commercial - local business. The property to the south is zoned as Residential - two family.
- D. Describe how and when site contamination was discovered.
On December 27, 2001, Advent Environmental Services notified the WDNR of petroleum contamination from the former gasoline UST systems at the Auto Repair on Vliet property and a LUST case (03-41-286924) was opened for the subject property. However, there are no reports in the WDNR file documenting how or where the contamination was discovered.
- E. Describe the type(s) and source(s) or suspected source(s) of contamination.
Petroleum contamination appears to have originated from the former gasoline UST systems.
- 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.
A open ERP case is listed for the subject property (Auto Repair on Vliet - BRRTS# 02-41-282021). The contaminate was addressed via excavation/disposal, but "no further action" fee could not be paid at this time.
- H. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.
There are currently no BRRTS cases for any immediately adjacent properties.

2. General Site Conditions

- A. Soil/Geology
- i. Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.
Local unconsolidated materials generally consist of sandy silt/clay to silty sand from surface to at least 16 feet bgs. Very fine to medium grained sand with some gravel was also encountered in several borings from surface to depths ranging from 7 to 16 feet bgs.
 - ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.
Fill material consisting of sand, gravel, and concrete was encountered from 0-2 feet bgs in soil boring G-2. The remedial excavation was backfilled with clean limestone screenings to 15 feet bgs.
 - iii. Describe the depth to bedrock, bedrock type, competency and whether or not it was encountered during the investigation.
Bedrock was not encountered during the site investigation, but dolomite bedrock is expected to exist at approximately 100-150 feet below ground surface, based on local well construction reports.
 - iv. Describe the nature and locations of current surface cover(s) across the site (e.g., natural vegetation, landscaped areas, gravel, hard surfaces, and buildings).
The on-site building is located in the southeastern portion of the property. An asphalt parking area exists to the west of the on-site building. An area of grass exists east of the on-site building and along the eastern portion of the property. The excavation area to the north/northwest of the building currently is covered with gravel. A small portion of concrete exists to the north of the excavation area along the northern property boundary.
- B. Groundwater

- i. Discuss depth to groundwater and piezometric elevations. Describe and explain depth variations, including high and low water table elevation and whether free product affects measurement of water table elevation. Describe the stratigraphic unit(s) where water table was found or which were measured for piezometric levels.

Groundwater exists at depths ranging from 8.83 to 13.14 feet bgs depending on well location and time of year. Free product has affected water table elevation measurements in monitoring well MW-1. The stratigraphic unit where the watertable exists consists of sandy silt/clay to silty sand, and very fine to medium grained sand with some gravel. No piezometers were installed during the investigation.

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

According to data collected from the monitoring wells, the local horizontal groundwater flow in the immediate area of the subject property is generally toward the northwest.

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

On February 16, 2005 METCO conducted slug tests on monitoring wells MW-1, MW-2, and MW-5. The slug test data was evaluated using the curve fitting program "Hydro-Test for Windows" produced by Dakota Environmental, Inc. Slug test data was evaluated using the Bouwer and Rice method. Hydrogeologic parameters were estimated as the following:

Monitoring Well MW-1

Hydraulic Conductivity (K) = 3.66E-04 cm/sec

Transmissivity = 5.05E-02 cm²/sec

Flow Velocity (V=KI/n) = 15.734 m/yr

Monitoring Well MW-2

Hydraulic Conductivity (K) = 1.16E-03 cm/sec

Transmissivity = 2.02E-01 cm²/sec

Flow Velocity (V=KI/n) = 49.694 m/yr

Monitoring Well MW-5

Hydraulic Conductivity (K) = 4.88E-04 cm/sec

Transmissivity = 8.04E-02 cm²/sec

Flow Velocity (V=KI/n) = 20.978 m/yr

Since the thickness of the unconfined aquifer was unknown, the bottoms of monitoring wells MW-1, MW-2, and MW-5 were assumed as the lower extent of the aquifer for calculation purposes.

- iv. Identify and describe locations/distance of potable and/or municipal wells within 1200 feet of the site. Include general summary of well construction (geology, depth of casing, depth of screened or open interval).

The subject property and surrounding properties are all served by the City of Milwaukee municipal water supply, which draws its potable water from Lake Michigan. METCO is not aware of any private water supply wells in the area.

3. Site Investigation Summary

A. General

- i. Provide a brief summary of the site investigation history. Reference previous submittals by name and date. Describe site investigation activities undertaken since the last submittal for this project and attach the appropriate documentation in Attachment C, if not previously provided.

On August 17, 2001, during the P2ESA, three soil borings (B1, B2, and B3) were completed with six soil samples submitted for laboratory analysis (PID, DRO, PVOC, and/or Lead). Two of borings were installed as temporary wells (B1 and B3). Groundwater samples were collected from the temporary wells and submitted for laboratory analysis (PVOC). (Site Investigation Report - September 2017)

On February 6-8, 2017, Geiss Soil & Samples LLC conducted a Geoprobe/Drilling project under the supervision and direction of METCO personnel. Twenty-two soil borings (G-1 through G-22) and five monitoring wells (MW-1 through MW-5) were completed with seventy-eight soil samples collected for field and laboratory analysis (PID, VOC, PVOC and Naphthalene +1,2-DCA, and Lead). Fourteen groundwater samples were collected from the borings for laboratory analysis (PVOC and Naphthalene). Upon completion, all monitoring wells were properly developed. (Site Investigation Report - September 2017)

On May 10-11, 2017, METCO personnel collected groundwater samples from five monitoring wells (MW-1 through MW-5) for VOC and Dissolved Lead analysis. Monitoring wells MW-1 and MW-2 were also analyzed for PAH. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were also collected from the five monitoring wells. During the groundwater sampling event, Fauerbach Surveying & Engineering surveyed all site monitoring wells to feet mean sea level (MSL). (Site Investigation Report - September 2017)

On September 10, 2018, Geiss Soil and Samples LLC, of Merrill, Wisconsin, conducted a Geoprobe project under the

supervision of METCO personnel. During the project, two soil borings (LF-1 and LF-2) were completed to 12 feet below ground surface (bgs). Six soil samples were collected during the project for field (PID) analysis, of which two of the soil samples were submitted for laboratory analysis (GRO, PVOC, Naphthalene, TCLP-Benzene, and/or TCLP-Lead). (Letter Report - July 2019)

On October 8-9, 2018, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. During this project, 1,020.22 tons of petroleum contaminated soil was excavated and hauled to Waste Management Orchard Ridge RDF facility located in Menomonee Falls, Wisconsin. Twenty-five soil samples were collected from the sidewalls and bottom of the larger excavation area for field (PID) and laboratory analysis (PVOC and Naphthalene). Eighteen sidewall samples were collected at 3 and 9 feet bgs and seven bottom samples were collected at 15 feet bgs. Two soil samples were collected from the sidewalls of the excavation on the east side of the building for field (PID) analysis. During the excavation, monitoring well MW-1 was abandoned and removed. Following the excavation project, the excavation area was backfilled with clean soils (limestone screenings) and capped with gravel. (Letter Report - July 2019)

On November 6, 2018, Geiss Soil and Samples LLC, of Merrill, Wisconsin, installed one replacement monitoring well (MW-1R) and one additional monitoring well (MW-6) under the direction and supervision of METCO personnel. Both of the monitoring wells were installed to 17 feet bgs. Monitoring well MW-1R was blind drilled and four soil samples were collected from MW-6 for PID analysis. Upon completion, both monitoring wells MW-1R and MW-6 were properly developed. (Letter Report - July 2019)

On December 18, 2018, METCO personnel collected groundwater samples from six monitoring wells (MW-1R, -2, -3, -4, -5, -6). Monitoring wells MW-2 through MW-5 were sampled for PVOC and Naphthalene analysis and MW-1R and MW-6 were sampled for VOCs (8260). Monitoring wells MW-1R, MW-2, and MW-6 were also analyzed for Dissolved Lead. Field measurements for water level, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductivity were collected from all sampled monitoring wells. The two new wells MW-1R and MW-6 were also surveyed to Mean Sea Level by METCO personnel. (Letter Report - July 2019)

On March 13, 2019, METCO personnel collected groundwater samples from three monitoring wells (MW-1R, -2, -6) for PVOC, Naphthalene, and Dissolved Lead analysis. Water level measurements were taken in wells MW-3, -4, and -5. Field measurements for water level, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductivity were collected from all sampled monitoring wells. (Letter Report - July 2019)

On September 10, 2019, Geiss Soil and Samples LLC, of Merrill, Wisconsin, installed one monitoring well (MW-7) under the direction and supervision of METCO personnel. The monitoring well was installed to 15 feet bgs. Four soil samples were collected from MW-7 for PID analysis and two soil samples were submitted for laboratory analysis (PVOC and Naphthalene). (Letter Report - March 2020)

On October 8, 2019, METCO personnel collected groundwater samples from three monitoring wells (MW-1R, MW-6, and MW-7) for PVOC and Naphthalene. Water levels measurements were collected in four wells (MW-2 through MW-5). Field measurements for water level, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductivity were collected from all sampled monitoring wells. The new monitoring well MW-7 was also surveyed to Mean Sea Level by METCO personnel. (Letter Report - March 2020)

On January 7, 2020, METCO personnel collected groundwater samples from three monitoring wells (MW-1R, MW-6, and MW-7) for PVOC and Naphthalene. Water levels measurements were collected in four wells (MW-2 through MW-5). Field measurements for water level, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductivity were collected from all sampled monitoring wells. (Letter Report - March 2020)

On January 7, 2020, Braun Intertec of La Crosse, Wisconsin installed two sub-slab vapor sampling ports (SSVS-1 and SSVS-2) on the subject property. Sub-slab vapor sampling port SSVS-1 was installed into the floor of the service bay, and sub-slab vapor sampling port SSVS-2 was installed in the basement of the on-site building. The sub-slab vapor sampling ports were constructed by drilling a 1/2-inch pilot hole through the concrete slab and several inches into the sub slab material with a hammer drill. A 1 1/2-inch outer hole is then drilled to depths ranging from 3/4 -inch to 1-inch, depending on the concrete slab thickness. The hole was cleaned of dust and drilling debris using a shop-vac. A stainless-steel vapor pin is installed in the inner hole with a silicon sleeve to obtain an air tight seal with the concrete floor. The remainder of the hole was sealed with hydrated bentonite and a water dam test was conducted to confirm that the seal is air tight. Braun Intertec collected vapor samples from the sub-slab sampling ports (SSVS-1 and SSVS-2) for TO-15 (PVOC and Naphthalene) analysis. The vapor sample was collected by using a short length of Teflon tubing to connect the sampling port and a 6-liter Summa canister. The air sample was collected using a Summa canister with a flow regulator that allowed the sub-slab vapor samples to be collected over a 30-minute period. Prior to collecting the sub-slab vapor samples, a shut-in test was conducted to assure that the fittings between the sample probe and sampling container are air tight. No leaks were detected. Both sub-slab ports were abandoned after sampling was complete. (Letter Report - March 2020)

On February 24, 2020, Braun Intertec of La Crosse, Wisconsin installed one sub-slab vapor sampling port (SSVS-2) in

the basement next to the location of the previous SSVS-2 port. After the vapor sampling port was installed, Braun Intertec collected a vapor sample from the sub-slab sampling port for VOC (TO-15) analysis. The new sub-slab port was left in place with a cap cover after sampling was complete. (Letter Report - March 2020)

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

Soil contamination exceeding the NR720 RCL's extends beyond the property boundary onto the property at 2475 W Vliet Street. This soil contamination plume is approximately 20 feet wide at the property boundary, extends up to 3 feet onto the property, and is up to 6 feet thick.

Three other areas of soil contamination exceeding the NR720 Groundwater RCL's exist on the property at 2475 W Vliet Street. These soil contamination plumes have a diameter of approximately 9 feet, and are up to 3.5 feet thick

A dissolved phase contaminant plume exceeding the NR140 ES has formed at the watertable and has migrated west into the right-of-way of N 25th Street. This groundwater contamination plume extends up to 33 feet into the right-of-way and is approximately 75 feet wide at the property boundary.

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

No structural impediments interfered with the completion of the site investigation.

B. Soil

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

An area of unsaturated soil contamination exceeding the NR720 Groundwater RCL values exist to the northeast of the larger October 2018 soil excavation area and former pump islands. This soil contamination plume measures up to 10 feet long, up to 7 feet wide, and up to 9 feet thick. A second area of unsaturated soil contamination exceeding the NR720 Groundwater RCL's exists on the property on the southern end of the excavation areas. This soil contamination plume measures up to 35 feet long, 9 feet wide, and up to 12 feet thick. A third and fourth area of unsaturated soil contamination exceeding the NR720 Groundwater RCL values for Lead and PAH only exists to the east of the larger October 2018 excavation area. These soil contamination plumes consist of areas encompassing soil borings B-2 and B-3 that is approximately 9 feet in diameter, and up to 2 feet thick. A fifth area of unsaturated soil contamination exceeding the NR720 Groundwater RCL values for Lead only exists to the north of the smaller October 2018 excavation area. This soil contamination plume consists of an area encompassing soil boring G-10, that is approximately 9 foot diameter, and up to 3.5 feet thick.

Water, sewer and natural gas service lines exist in the area of the soil contaminant plume. The service lines to the building are privately owned utilities and there is no documentation of their construction. Water and sewer laterals are typically buried 6-8 feet bgs and backfilled with native soil and therefore does not pose a risk as a potential migration pathway. Natural gas utility lines are typically buried within 3 feet of ground surface and backfilled with native soil and therefore does not pose a risk as a potential migration pathway.

- ii. Describe the concentration(s) and types of soil contaminants found in the upper four feet of the soil column. Soil samples collected within the upper four feet of the soil column exceeding the NR720 RCL's include:

B-2 (0-2 feet bgs): Lead (87 ppm) and Chrysene (0.28 ppm).

B-3 (0-2 feet bgs): Lead (96 ppm) and Chrysene (0.209 ppm).

G-10-1 (3.5 feet bgs): Lead (256 ppm).

- iii. Identify the ch. NR 720, Wis. Adm. Code, method used to establish the soil cleanup standards for this site. This includes a soil performance standard established in accordance with s. NR 720.08, a Residual Contaminant Level (RCL) established in accordance with s. NR 720.10 that is protective of groundwater quality, or an RCL established in accordance with s. NR 720.12 that is protective of human health from direct contact with contaminated soil. Identify the land use classification that was used to establish cleanup standards. Provide a copy of the supporting calculations/information in Attachment C.

The method used to establish the soil cleanup standards for this site were the NR720 RCL's. The property is zoned as Commercial - local business, therefore non-industrial standards were used for this site.

Please note that the cPAH calculator was used for the two Chrysene exceedances noted in B-2 and B-3 and based on those results the direct contact PAH fell out on the 2475 W Vliet Street property.

C. Groundwater

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

A dissolved phase contaminant plume exceeding the NR140 ES and or PAL has formed at the water table in the area of the removed UST systems and has migrated toward the northwest. This plume is approximately 115 feet long and 105 feet wide.

- ii. Describe the presence of free product at the site, including the thickness, depth, and locations. Identify the depth and location of the smear zone.

Free product was encountered in monitoring well MW-1 and was first encountered on February 16, 2017 and was last encountered on May 11, 2017 (8 inches). The thickness of free product varied between 3 and 36 inches, with a total of 5.55 gallons removed by hand bailing.

D. Vapor

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

On January 7, 2020, Braun Intertec of La Crosse, Wisconsin installed two sub-slab vapor sampling ports (SSVS-1 and SSVS-2) on the subject property. Sub-slab vapor sampling port SSVS-1 was installed into the floor of the service bay, and sub-slab vapor sampling port SSVS-2 was installed in the basement of the on-site building. The sub-slab vapor sampling ports were constructed by drilling a 1/2-inch pilot hole through the concrete slab and several inches into the sub slab material with a hammer drill. A 1 1/2-inch outer hole is then drilled to depths ranging from 3/4 -inch to 1-inch, depending on the concrete slab thickness. The hole was cleaned of dust and drilling debris using a shop-vac. A stainless-steel vapor pin is installed in the inner hole with a silicon sleeve to obtain an air tight seal with the concrete floor. The remainder of the hole was sealed with hydrated bentonite and a water dam test was conducted to confirm that the seal is air tight. Braun Intertec collected vapor samples from the sub-slab sampling ports (SSVS-1 and SSVS-2) for TO-15 (PVOC and Naphthalene) analysis. The vapor sample was collected by using a short length of Teflon tubing to connect the sampling port and a 6-liter Summa canister. The air sample was collected using a Summa canister with a flow regulator that allowed the sub-slab vapor samples to be collected over a 30-minute period. Prior to collecting the sub-slab vapor samples, a shut-in test was conducted to assure that the fittings between the sample probe and sampling container are air tight. No leaks were detected. Both sub-slab ports were abandoned after sampling was complete. (Letter Report - March 2020)

On February 24, 2020, Braun Intertec of La Crosse, Wisconsin installed one sub-slab vapor sampling port (SSVS-2) in the basement next to the location of the previous SSVS-2 port. After the vapor sampling port was installed, Braun Intertec collected a vapor sample from the sub-slab sampling port for VOC (TO-15) analysis. The new sub-slab port was left in place with a cap cover after sampling was complete. (Letter Report - March 2020)

- 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 most recent sub-slab vapor results from SSVS-2 (collected on 2/24/20) showed detects, but no exceedances of the WDNR Small Commercial or Residential Sub-Slab Vapor Action Levels.

Sub slab sample SSVS-2 showed VAL exceedances for Benzene (314 ug/m3) and Ethylbenzene (2,010 ug/m3) in the January 7, 2020 sampling.

E. Surface Water and Sediment

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

The nearest surface water is the Menomonee River, which exists approximately 6,100 feet to the south of the subject property. Since it does not appear that the area of soil and groundwater contamination extends to any surface waters, no surface sediment samples were collected.

- ii. Identify any surface water and/or sediment action levels used to assess the impacts for this pathway and how these were derived. Describe where the DNR action levels were reached or exceeded.

No surface water or sediment samples were collected.

4. Remedial Actions Implemented and Residual Levels at Closure

- A. General: Provide a brief summary of the remedial action history. List previous remedial action report submittals by name and date. Identify remedial actions undertaken since the last submittal for this project and provide the appropriate documentation in Attachment C.

On October 8-9, 2018, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. During this project, 1,020.22 tons of petroleum contaminated soil was excavated and hauled to Waste Management Orchard Ridge RDF facility located in Menomonie Falls, Wisconsin. Twenty-five soil samples were collected from the sidewalls and bottom of the larger excavation area for field (PID) and laboratory analysis (PVOC and Naphthalene). Eighteen sidewall samples were collected at 3 and 9 feet bgs and seven bottom samples were collected at 15 feet bgs. Two soil samples were collected from the sidewalls of the excavation on the east side of the building for field (PID) analysis. During the excavation, monitoring well

MW-1 was abandoned and removed. Following the excavation project, the excavation area was backfilled with clean soils (limestone screenings) and capped with gravel. (Letter Report - July 2019)

- B. Describe any immediate or interim actions taken at the site under ch NR 708, Wis. Adm. Code.
No immediate or interim actions occurred at this site.
- C. Describe the *active* remedial actions taken at the source property, including: type of remedial system(s) used for each media affected; the size and location of any excavation or in-situ treatment; the effectiveness of the systems to address the contaminated media and substances; operational history of the systems; and summarize the performance of the active remedial actions. Provide any system performance documentation in Attachment A.7.

On October 8-9, 2018, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. During this project, 1,020.22 tons of petroleum contaminated soil was excavated and hauled to Waste Management Orchard Ridge RDF facility located in Menomonee Falls, Wisconsin. Twenty-five soil samples were collected from the sidewalls and bottom of the larger excavation area for field (PID) and laboratory analysis (P VOC and Naphthalene). Eighteen sidewall samples were collected at 3 and 9 feet bgs and seven bottom samples were collected at 15 feet bgs. Two soil samples were collected from the sidewalls of the excavation on the east side of the building for field (PID) analysis. During the excavation, monitoring well MW-1 was abandoned and removed. Following the excavation project, the excavation area was backfilled with clean soils (limestone screenings) and capped with gravel. (Letter Report - July 2019)

- D. Describe the alternatives considered during the Green and Sustainable Remediation evaluation in accordance with NR 722.09 and any practices implemented as a result of the evaluation.
No evaluation of the Green and Sustainable Remediation was conducted.
- E. Describe the nature, degree and extent of residual contamination that will remain at the source property or on other affected properties after case closure.

An area of unsaturated soil contamination exceeding the NR720 Groundwater RCL values exist to the northeast of the larger October 2018 soil excavation area and former pump islands. This soil contamination plume measures up to 10 feet long, up to 7 feet wide, and up to 9 feet thick. A second area of unsaturated soil contamination exceeding the NR720 Groundwater RCL's exists on the property on the southern end of the excavation. This soil contamination plume measures up to 35 feet long, 9 feet wide, and up to 12 feet thick. A third and fourth area of unsaturated soil contamination exceeding the NR720 Groundwater RCL values for Lead and PAH only exists to the east of the larger October 2018 excavation area. These soil contamination plumes consist of areas encompassing soil borings B-2 and B-3 that is approximately 9 feet in diameter, and up to 2 feet thick. A fifth area of unsaturated soil contamination exceeding the NR720 Groundwater RCL values for Lead only exists to the north of the smaller October 2018 excavation area. This soil contamination plume consists of an area encompassing soil boring G-10, that is approximately 9 feet in diameter and up to 3.5 feet thick.

Soil contamination exceeding the NR720 RCL's extends beyond the property boundary onto the property at 2475 W Vliet Street. This soil contamination plume is approximately 20 feet wide at the property boundary, extends up to 3 feet onto the property, and is up to 6 feet thick.

Three other areas of soil contamination exceeding the NR720 Groundwater RCL's exist on the property at 2475 W Vliet Street. These soil contamination plumes have a diameter of approximately 9 feet, and are up to 3.5 feet thick

A dissolved phase contaminant plume exceeding the NR140 ES and or PAL has formed at the water table in the area of the removed UST systems and has migrated toward the northwest. This plume is approximately 115 feet long and 105 feet wide.

A dissolved phase contaminant plume exceeding the NR140 ES has formed at the watertable and has migrated west into the right-of-way of N 25th Street. This groundwater contamination plume extends up to 33 feet into the right-of-way and is approximately 75 feet wide at the property boundary.

- F. Describe the residual soil contamination within four feet of ground surface (direct contact zone) that attains or exceeds RCLs established under s. NR 720.12, Wis. Adm. Code, for protection of human health from direct contact.
Due to the soil excavation project and using the cPAH calculator there is no known residual soil contamination exceeding the NR720 Direct Contact RCL's.
- G. Describe the residual soil contamination that is above the observed low water table that attains or exceeds the soil standard(s) for the groundwater pathway.
Soil samples above the observed low water table which currently exceed the NR720 RCL's include:

B-2 (0-2 feet bgs): Lead and Chrysene.

B-3 (0-2 feet bgs): Lead and Chrysene.

G-10-1 (3.5 feet bgs): Lead.

EX-2 (9.0 feet bgs): Benzene, Ethylbenzene, Naphthalene, Toluene, 1,2,4 Trimethylbenzene, 1,3,5 Trimethylbenzene, and Xylene.

EX-10 (9.0 feet bgs): Benzene, Ethylbenzene, Naphthalene, Toluene, 1,2,4 Trimethylbenzene, 1,3,5 Trimethylbenzene, and

Xylene.

EX-15 (9.0 feet bgs): Ethylbenzene, Naphthalene, Toluene, 1,2,4 Trimethylbenzene, 1,3,5 Trimethylbenzene, and Xylene.

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

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

- I. If using natural attenuation as a groundwater remedy, describe how the data collected supports the conclusion that natural attenuation is effective in reducing contaminant mass and concentration (e.g., stable or receding groundwater plume).
Since the overall contaminant trends appear to be stable to decreasing, and the most highly contaminated soils were removed during the soil excavation project, it appears that natural attention will be effective in reducing the contaminant mass.
- J. Identify how all exposure pathways (soil, groundwater, vapor) were removed and/or adequately addressed by immediate, interim and/or remedial action(s).
Any remaining exposure pathways will be addressed via natural attenuation.
- K. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain.
No system hardware was installed as part of the site investigation.
- L. Identify the need for a ch. NR 140, Wis. Adm. Code, groundwater Preventive Action Limit (PAL) or Enforcement Standard (ES) exemption, and identify the affected monitoring points and applicable substances.
No NR140 ES or PAL exemptions are needed at this time:

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

Monitoring Well MW-1: Currently shows NR140 ES exceedances for Benzene (3,300 ppb), Ethylbenzene (830 ppb), Naphthalene (273 ppb), Trimethylbenzenes (593 ppb), Xylene (2,319 ppb), as well as a NR140 PAL exceedance for Toluene (790 ppb).

Monitoring Well MW-6: Currently shows a NR140 ES exceedance for Benzene (21.1 ppb), as well as NR140 PAL exceedances for Ethylbenzene (306 ppb), Naphthalene (71 ppb), Toluene (226 ppb), Trimethylbenzenes (297 ppb), and Xylene (1,210 ppb).

- M. If a DNR action level for vapor intrusion was exceeded (for indoor air, sub slab, or both) describe where it was exceeded and how the pathway was addressed.

Sub slab sample SSVS-2 showed VAL exceedances for Benzene (314 ug/m³) and Ethylbenzene (2,010 ug/m³) in the January 7, 2020 sampling.

However, the most recent sub-slab vapor results (SSVS-2) showed detects, but no exceedances of the WDNR Small Commercial or Residential Sub-Slab Vapor Action Levels.

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

No surface water or sediment samples were collected.

5. Continuing Obligations: Includes all affected properties and rights-of-way (ROWs). In certain situations, maintenance plans are also required, and must be included in Attachment D.

Directions: For each of the 3 property types below, check all situations that apply to this closure request.

(NOTE: Monitoring wells to be transferred to another site are addressed in Attachment E.)

This situation applies to the following property or Right of Way (ROW):			Case Closure Situation - Continuing Obligation (database fees will apply, ii. - xiv.)	Maintenance Plan Required	
Property Type:					
Source Property	Affected Property (Off-Source)	ROW			
i.	<input type="checkbox"/>	<input 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 type="checkbox"/>	Residual soil contamination exceeds ch. NR 720 RCLs.	NA
iv.				Monitoring Wells Remain:	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	• Not Abandoned (filled and sealed)	NA
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	• Continued Monitoring (requested or required)	Yes
v.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cover/Barrier/Engineered Cover or Control for (soil) direct contact pathways (includes vapor barriers)	Yes
vi.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cover/Barrier/Engineered Cover or Control for (soil) groundwater infiltration pathway	Yes
vii.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Structural Impediment: impedes completion of investigation or remedial action (not as a performance standard cover)	NA
viii.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residual soil contamination meets NR 720 industrial soil RCLs, land use is classified as industrial	NA
ix.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor Mitigation System (VMS) required due to exceedances of vapor risk screening levels or other health based concern	Yes
x.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor: Dewatering System needed for VMS to work effectively	Yes
xi.	<input checked="" 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) (discuss with project manager before submitting the closure request)	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://dnrm.wi.gov/si/?Viewer=RR Sites](http://dnrm.wi.gov/si/?Viewer=RR%20Sites)) attach a map depicting the source property, and all open and closed BRRTS sites within a half-mile radius or less of the property.

B.2. Soil Figures

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

B.3. Groundwater Figures

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

B.4. Vapor Maps and Other Media

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

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

Documentation of Remedial Action (Attachment C)

Directions for Documentation of Remedial Action:

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

Maintenance Plan(s) and Photographs (Attachment D)

Directions for Maintenance Plans and Photographs:

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

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

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

Monitoring Well Information (Attachment E)

Directions for Monitoring Well Information:

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

Select One:

- No monitoring wells were installed as part of this response action.
- All monitoring wells have been located and will be properly abandoned upon the DNR granting conditional closure to the site
- Select One or More:**
- Not all monitoring wells can be located, despite good faith efforts. Attachment E must include a description of efforts made to locate the wells.
- One or more wells will remain in use at the site after this closure. Attachment E must include documentation as to the reason (s) the well(s) will remain in use. When one or more monitoring wells will remain in use this is considered a continuing obligation and a maintenance plan will be required and must be included in Attachment D.
- One or more monitoring wells will be transferred to another owner upon case closure being granted. Attachment E should include documentation identifying the name, address and email for the new owner(s). Provide documentation from the party accepting future responsibility for monitoring well(s).

Source Legal Documents (Attachment F)

Directions for Source Legal Documents:

Label documents with the specific closure form titles (e.g., F.1. Deed, F.2. Certified Survey Map, etc.). Include all of the following documents, in the order listed:

- F.1. **Deed:** The most recent deed with legal description clearly listed.
- Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*
- F.2. **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. In cases where the certified survey map or recorded plat map are not legible or are unavailable, a copy of a parcel map from a county land information office may be substituted. A copy of a parcel map from a county land information office shall be legible, and the parcels identified in the legal description shall be clearly identified and labeled with the applicable parcel identification number.
- F.3. **Verification of Zoning:** Documentation (e.g., official zoning map or letter from municipality) of the property's or properties' current zoning status.
- F.4. **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description(s) accurately describe(s) the correct contaminated property or properties. This section applies to the source property only. Signed statements for Other Affected Properties should be included in Attachment G.

Notifications to Owners of Affected Properties (Attachment G)**Directions for Notifications to Owners of Affected Properties:**

Complete the table on the following page for sites which require notification to owners of affected properties pursuant to ch. 292, Wis. Stats. and ch. NR 725 and 726, Wis. Adm. Code. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31- 19.39, Wis. Stats.]. The DNR's "Guidance on Case Closure and the Requirements for Managing Continuing Obligations" (PUB-RR-606) lists specific notification requirements <http://dnr.wi.gov/files/PDF/pubs/rr/RR606.pdf>.

State law requires that the responsible party provide a 30-day, written advance notification to certain persons prior to applying for case closure. This requirement applies if: (1) the person conducting the response action does not own the source property; (2) the contamination has migrated onto another property; and/or (3) one or more monitoring wells will not be abandoned. Use form 4400-286, Notification of Continuing Obligations and Residual Contamination, at <http://dnr.wi.gov/files/PDF/forms/4400/4400-286.pdf>

Include a copy of each notification sent and accompanying proof of delivery, i.e., return receipt or signature confirmation.

Include the following documents for each property, keeping each property's documents grouped together and labeled with the letter G and the corresponding ID number from the table on the following page. (Source Property documents should only be included in Attachment F):

- **Deed:** The most recent deed with legal descriptions clearly listed for all affected properties.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. In cases where the certified survey map or recorded plat map are not legible or are unavailable, a copy of a parcel map from a county land information office may be substituted. A copy of a parcel map from a county land information office shall be legible, and the parcels identified in the legal description shall be clearly identified and labeled with the applicable parcel identification number.
- **Verification of Zoning:** Documentation (e.g., official zoning map or letter from municipality) of the property's or properties' current zoning status.
- **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes the attached legal description(s) accurately describe(s) the correct contaminated property or properties.

Signatures and Findings for Closure Determination

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

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

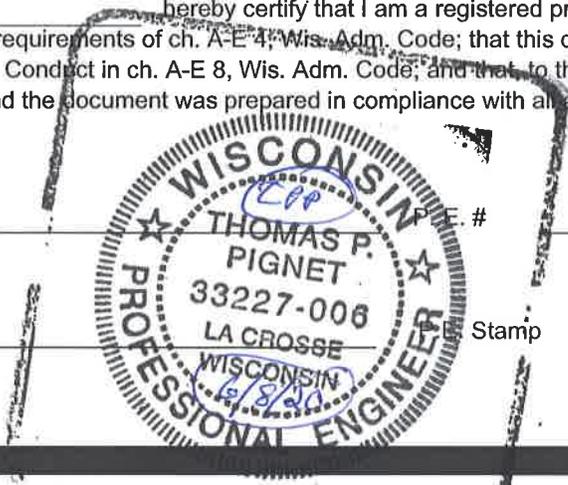
- The investigation and/or response action(s) for this site evaluated and/or addressed groundwater (including natural attenuation remedies). Both a professional engineer and a hydrogeologist must sign this document per Wis. Admin. Code ch. NR 712.
- The investigation and the response action(s) for this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

Engineering Certification

I, Thomas Pignet hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature Thomas Pignet (revised)

Title Chemical Engineer/Industrial Engineer



33227-006

Stamp

Hydrogeologist Certification

I, Ronald Anderson hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature Ronald Anderson

Title Senior Hydrogeologist/Project Manager

Date 6/8/20

Attachment A/Data Tables

A.1 Groundwater Analytical Tables

A.2 Soil Analytical Tables

A.3 Residual Soil Contamination Table

A.4 Vapor Analytical Table

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

A.6 Water Level Elevations

A.7 Other – Natural Attenuation Results, Slug Test Calculations, Free Product Recovery.

A.1 Groundwater Analytical Table
Auto Repair on Vliet BRRTS #03-41-286924

Well MW-1/1R MW-1R 681.12
PVC Elevation = MW-1 680.67 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/10/17	668.12	12.55	25.9	5100	670	<41	146	6400	470	2660
10/08/18	MW-1 ABANDONED/REMOVED DURING EXCAVATION PROJECT									
11/06/18	MW-1 REPLACED WITH MW-1R									
12/18/18	668.40	12.72	5.6	6200	810	<2.8	158	6500	464	3140
03/13/19	668.77	12.35	6.1	5400	930	<57	199	6500	571	3740
10/08/19	668.92	12.20	NS	4300	960	<12	195	2030	615	3120
01/07/20	668.53	12.59	NS	3300	830	<35.5	273	790	593	2319
ENFORCE MENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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

Well MW-2
PVC Elevation = 682.54 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/10/17	674.24	8.30	<4.5	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
12/18/18	673.01	9.53	<0.8	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
03/13/19	672.76	9.78	<0.8	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
10/08/19	673.50	9.04	NOT SAMPLED							
01/07/20	673.33	9.21	NOT SAMPLED							
ENFORCE MENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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

Well MW-3
PVC Elevation = 682.35 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/10/17	673.29	9.06	<4.5	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
12/18/18	672.05	10.30	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
03/13/19	672.14	10.21	NOT SAMPLED							
10/08/19	672.72	9.63	NOT SAMPLED							
01/07/20	672.21	10.14	NOT SAMPLED							
ENFORCE MENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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

A.1 Groundwater Analytical Table
Auto Repair on Vliet BRRTS #03-41-286924

Well MW-4

PVC Elevation = 680.05 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/10/17	668.89	11.16	<4.5	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
12/18/18	668.54	11.51	NS	0.48	<0.53	<0.57	<1.7	0.70	<1.48	<1.58
03/13/19	668.84	11.21	NOT SAMPLED							
10/08/19	668.82	11.23	NOT SAMPLED							
01/07/20	668.53	11.52	NOT SAMPLED							
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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

Well MW-5

PVC Elevation = 679.45 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/10/17	667.76	11.69	<4.5	<0.17	<0.2	5.1	<2.17	<0.67	<2.05	<1.95
12/18/18	667.75	11.70	NS	<0.22	<0.53	3.7	<1.7	<0.45	<1.48	<1.58
03/13/19	667.80	11.65	NOT SAMPLED							
10/08/19	667.81	11.64	NOT SAMPLED							
01/07/20	667.74	11.71	NOT SAMPLED							
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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

Well MW-6

PVC Elevation = 680.20 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
12/18/18	668.31	11.89	5.9	69	400	<14	<105	1000	436	2320
03/13/19	668.69	11.51	<0.8	33	259	<5.7	29.3	164	146	798
10/08/19	668.56	11.64	NS	<16	91	<12	<65	59	67-100.5	360
01/07/20	668.32	11.88	NS	21.1	306	<0.71	71	226	297	1210
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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

A.1 Groundwater Analytical Table
Auto Repair on Vliet BRRTS #03-41-286924

Well MW-7

PVC Elevation = 681.03 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
10/08/19	670.38	10.65	NS	<0.32	<0.29	<0.24	<1.3	<0.29	0.71-1.38	<1.12
01/07/20	669.93	11.10	NS	<0.48	<0.55	<0.71	<0.82	<0.62	<1.37	<2.04
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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

A.1 Groundwater Analytical Table
Auto Repair on Vliet BRRS #03-41-286924

Well Sampling Conducted on: 05/10/17 05/10/17 05/10/17 05/10/17 05/10/17 12/18/18 12/18/18

VOC's

Well Name	MW-1	MW-2	MW-3	MW-4	MW-5	MW-1R	MW-6
Lead/ppb	25.9	< 4.5	< 4.5	< 4.5	< 4.5	5.6	5.9
Benzene/ppb	5100	< 0.17	< 0.17	< 0.17	< 0.17	6200	69
Bromobenzene/ppb	< 21.5	< 0.43	< 0.43	< 0.43	< 0.43	< 4.4	< 22
Bromodichloromethane/ppb	< 15.5	< 0.31	< 0.31	< 0.31	< 0.31	< 3.3	< 16.5
Bromoform/ppb	< 24.5	< 0.49	< 0.49	< 0.49	< 0.49	< 4.5	< 22.5
tert-Butylbenzene/ppb	< 19.5	< 0.39	< 0.39	< 0.39	< 0.39	< 2.5	< 12.5
sec-Butylbenzene/ppb	< 12	< 0.24	< 0.24	< 0.24	< 0.24	< 7.9	< 39.5
n-Butylbenzene/ppb	< 17	< 0.34	< 0.34	< 0.34	< 0.34	8.0 "J"	< 35.5
Carbon Tetrachloride/ppb	< 10.5	< 0.21	< 0.21	< 0.21	< 0.21	< 3.1	< 15.5
Chlorobenzene/ppb	< 13.5	< 0.27	< 0.27	< 0.27	< 0.27	< 2.6	< 13
Chloroethane/ppb	< 25	< 0.5	< 0.5	< 0.5	< 0.5	< 6.1	< 30.5
Chloroform/ppb	< 48	< 0.96	< 0.96	< 0.96	< 0.96	< 2.6	< 13
Chloromethane/ppb	213	< 1.3	< 1.3	< 1.3	< 1.3	< 5.4	< 27
2-Chlorotoluene/ppb	< 18	< 0.36	< 0.36	< 0.36	< 0.36	< 3.1	< 15.5
4-Chlorotoluene/ppb	< 17.5	< 0.35	< 0.35	< 0.35	< 0.35	< 2.6	< 13
1,2-Dibromo-3-chloropropane/ppb	< 94	< 1.88	< 1.88	< 1.88	< 1.88	< 29.6	< 148
Dibromochloromethane/ppb	< 22.5	< 0.45	< 0.45	< 0.45	< 0.45	< 2.2	< 11
1,4-Dichlorobenzene/ppb	< 21	< 0.42	< 0.42	< 0.42	< 0.42	< 7	< 35
1,3-Dichlorobenzene/ppb	< 22.5	< 0.45	< 0.45	< 0.45	< 0.45	< 8.5	< 42.5
1,2-Dichlorobenzene/ppb	< 17	< 0.34	< 0.34	< 0.34	< 0.34	< 8.6	< 43
Dichlorodifluoromethane/ppb	< 19	< 0.38	< 0.38	< 0.38	< 0.38	< 3.2	< 16
1,2-Dichloroethane/ppb	< 22.5	< 0.45	< 0.45	< 0.45	< 0.45	< 2.5	< 12.5
1,1-Dichloroethane/ppb	< 21	< 0.42	< 0.42	< 0.42	< 0.42	< 3.6	< 18
1,1-Dichloroethene/ppb	< 23	< 0.46	< 0.46	< 0.46	< 0.46	< 4.2	< 21
cis-1,2-Dichloroethene/ppb	< 20.5	< 0.41	< 0.41	< 0.41	< 0.41	< 3.7	< 18.5
trans-1,2-Dichloroethene/ppb	< 17.5	< 0.35	< 0.35	< 0.35	< 0.35	< 3.4	< 17
1,2-Dichloropropane/ppb	< 19.5	< 0.39	< 0.39	< 0.39	< 0.39	13 "J"	< 22
1,3-Dichloropropane/ppb	< 24.5	< 0.49	< 0.49	< 0.49	< 0.49	< 3	< 15
trans-1,3-Dichloropropene	< 21	< 0.42	< 0.42	< 0.42	< 0.42	< 3.2	< 16
cis-1,3-Dichloropropene	< 10.5	< 0.21	< 0.21	< 0.21	< 0.21	< 2.6	< 13
Di-isopropyl ether/ppb	< 13	< 0.26	< 0.26	< 0.26	< 0.26	< 2.1	< 10.5
EDB (1,2-Dibromoethane)/ppb	< 17	< 0.34	< 0.34	< 0.34	< 0.34	< 3.4	< 17
Ethylbenzene/ppb	610	< 0.2	< 0.2	< 0.2	< 0.2	810	400
Hexachlorobutadiene/ppb	< 73.5	< 1.47	< 1.47	< 1.47	< 1.47	< 13.4	< 67
Isopropylbenzene/ppb	47	< 0.29	< 0.29	< 0.29	< 0.29	49	< 39
p-Isopropyltoluene/ppb	< 14	< 0.28	< 0.28	< 0.28	< 0.28	6.5 "J"	< 12
Methylene chloride/ppb	< 47	< 0.94	< 0.94	< 0.94	< 0.94	< 13.2	< 66
Methyl tert-butyl ether (MTBE)/ppb	< 41	< 0.82	< 0.82	< 0.82	5.1	< 2.8	< 14
Naphthalene/ppb	146 "J"	< 2.17	< 2.17	< 2.17	< 2.17	158	< 105
n-Propylbenzene/ppb	51	< 0.19	< 0.19	< 0.19	< 0.19	50	50 "J"
1,1,2,2-Tetrachloroethane/ppb	< 34.5	< 0.69	< 0.69	< 0.69	< 0.69	< 3	< 15
1,1,1,2-Tetrachloroethane/ppb	< 23.5	< 0.47	< 0.47	< 0.47	< 0.47	< 3.5	< 17.5
Tetrachloroethene (PCE)/ppb	< 24	< 0.48	< 0.48	< 0.48	< 0.48	< 3.8	< 19
Toluene/ppb	6400	< 0.67	< 0.67	< 0.67	< 0.67	6500	1000
1,2,4-Trichlorobenzene/ppb	< 64.5	< 1.29	< 1.29	< 1.29	< 1.29	< 11.5	< 57.5
1,2,3-Trichlorobenzene/ppb	< 41.5	< 0.83	< 0.83	< 0.83	< 0.83	< 17.1	< 85.5
1,1,1-Trichloroethane/ppb	< 17.5	< 0.35	< 0.35	< 0.35	< 0.35	< 3.3	< 16.5
1,1,2-Trichloroethane/ppb	< 32.5	< 0.65	< 0.65	< 0.65	< 0.65	< 4.2	< 21
Trichloroethene (TCE)/ppb	< 22.5	< 0.45	< 0.45	< 0.45	< 0.45	< 3	< 15
Trichlorofluoromethane/ppb	< 32	< 0.64	< 0.64	< 0.64	< 0.64	< 3.5	< 17.5
1,2,4-Trimethylbenzene/ppb	360	< 1.14	< 1.14	< 1.14	< 1.14	360	340
1,3,5-Trimethylbenzene/ppb	110 "J"	< 0.91	< 0.91	< 0.91	< 0.91	104	96 "J"
Vinyl Chloride/ppb	< 9.5	< 0.19	< 0.19	< 0.19	< 0.19	< 2	< 10
m&p-Xylene/ppb	1760	< 1.56	< 1.56	< 1.56	< 1.56	2020	1840
o-Xylene/ppb	900	< 0.39	< 0.39	< 0.39	< 0.39	1120	480

ENFORCE MENT STANDARD = ES - Bold	PREVENTIVE ACTION LIMIT = PAL - Italics
15	<i>1.5</i>
5	<i>0.5</i>
===	===
0.6	<i>0.06</i>
4.4	<i>0.44</i>
===	===
===	===
5	<i>0.5</i>
===	===
400	<i>80</i>
6	<i>0.6</i>
30	<i>3</i>
===	===
0.2	<i>0.02</i>
60	<i>6</i>
75	<i>15</i>
600	<i>120</i>
600	<i>60</i>
1000	<i>200</i>
5	<i>0.5</i>
===	===
===	===
850	<i>85</i>
7	<i>0.7</i>
70	<i>7</i>
100	<i>20</i>
5	<i>0.5</i>
===	===
0.05	<i>0.005</i>
700	<i>140</i>
===	===
===	===
5	<i>0.5</i>
60	<i>12</i>
100	<i>10</i>
===	===
0.2	<i>0.02</i>
70	<i>7</i>
5	<i>0.5</i>
800	<i>160</i>
70	<i>14</i>
===	===
200	<i>40</i>
5	<i>0.5</i>
5	<i>0.5</i>
===	===
Total TMB's 480	<i>Total TMB's 96</i>
0.2	<i>0.02</i>
Total Xylenes 2000	<i>Total Xylenes 400</i>

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

A.1 Groundwater Analytical Table
(PAH)
Auto Repair on Viet BRRTS #03-41-286924

Well MW-1

Date	Acenaphthylene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benz(a)anthracene (ppb)	Benz(a)pyrene (ppb)	Benz(b)fluoranthene (ppb)	Benz(g,h,i)perylene (ppb)	Benz(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenz(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)	
05/10/17	<0.16	<0.19	<0.19	<0.17	<0.2	<0.18	<0.25	<0.16	<0.2	<0.25	<0.17	<0.21	<0.23	4.80	9.50	46	<0.25	<0.2	
10/02/2018	MW-1 ABANDONED/REMOVED DURING EXCAVATION PROJECT																		
ENFORCEMENT STANDARD = ES - Bold																			
PREVENTIVE ACTION LIMIT = PAL - Italics																			
(ppb) = parts per billion																			
(ppm) = parts per million																			
ns = not sampled																			
nm = not measured																			
Note: Elevations are presented in feet mean sea level (msl).																			

Well MW-2

Date	Acenaphthylene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benz(a)anthracene (ppb)	Benz(a)pyrene (ppb)	Benz(b)fluoranthene (ppb)	Benz(g,h,i)perylene (ppb)	Benz(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenz(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
05/10/17	<0.016	<0.019	<0.019	<0.017	<0.02	<0.018	<0.025	<0.016	<0.02	<0.025	<0.017	<0.021	<0.023	<0.024	<0.024	<0.025	<0.025	<0.02
ENFORCEMENT STANDARD = ES - Bold																		
PREVENTIVE ACTION LIMIT = PAL - Italics																		
(ppb) = parts per billion																		
(ppm) = parts per million																		
ns = not sampled																		
nm = not measured																		
Note: Elevations are presented in feet mean sea level (msl).																		

Well MW-3

Date	Acenaphthylene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benz(a)anthracene (ppb)	Benz(a)pyrene (ppb)	Benz(b)fluoranthene (ppb)	Benz(g,h,i)perylene (ppb)	Benz(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenz(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)	
05/10/17	NOT SAMPLED																		
ENFORCEMENT STANDARD = ES - Bold																			
PREVENTIVE ACTION LIMIT = PAL - Italics																			
(ppb) = parts per billion																			
(ppm) = parts per million																			
ns = not sampled																			
nm = not measured																			
Note: Elevations are presented in feet mean sea level (msl).																			

A.1 Groundwater Analytical Table
(PAH)
Auto Repair on Viet BRRTS #03-41-286924

Well MW-4

Date	Acenaphthylene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benz(a)anthracene (ppb)	Benz(a)pyrene (ppb)	Benz(b)fluoranthene (ppb)	Benz(g,h,i)perylene (ppb)	Benz(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenz(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)	
05/10/17	NOT SAMPLED																		
ENFORCEMENT STANDARD = ES - Bold																			
PREVENTIVE ACTION LIMIT = PAL - Italics																			
(ppb) = parts per billion																			
(ppm) = parts per million																			
ns = not sampled																			
nm = not measured																			
Note: Elevations are presented in feet mean sea level (msl).																			

Well MW-5

Date	Acenaphthylene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benz(a)anthracene (ppb)	Benz(a)pyrene (ppb)	Benz(b)fluoranthene (ppb)	Benz(g,h,i)perylene (ppb)	Benz(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenz(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)	
05/10/17	NOT SAMPLED																		
ENFORCEMENT STANDARD = ES - Bold																			
PREVENTIVE ACTION LIMIT = PAL - Italics																			
(ppb) = parts per billion																			
(ppm) = parts per million																			
ns = not sampled																			
nm = not measured																			
Note: Elevations are presented in feet mean sea level (msl).																			

A.1 Groundwater Analytical Table
(Geoprobe)
Auto Repair on Vliet BRRTS #03-41-286924

Sample ID	Date	Lead (ppb)	DRO (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
B1	08/17/01	NS	NS	LOD = Below Detected	Between the Laboratory	Detection Limit and	Quantitation Limit			
B3	08/17/01	NS	NS	4.7	NS	NS	NS	21	NS	NS
G-4-W	02/06/17	NS	NS	7600	3400	<86	470	20500	1860	14100
G-5-W	02/06/17	NS	NS	1.05	1.36	<0.43	1.99	4.7	2.25	6.04
G-6-W	02/06/17	NS	NS	7300	2330	<21.5	390	11300	3250	9570
G-7-W	02/06/17	NS	NS	2430	1140	<21.5	233	4500	1041	4270
G-8-W	02/06/17	NS	NS	5800	910	<21.5	253	7500	1068	4260
G-9-W	02/06/17	NS	NS	1790	890	<21.5	246	3500	957	3600
G-10-W	02/06/17	NS	NS	1.75	2.76	<0.43	<1.7	4.4	7.41	14.4
G-11-W	02/06/17	NS	NS	1.85	0.61	<0.43	<1.7	4.0	1.35-1.93	2.71
G-12-W	02/06/17	NS	NS	<1.35	<2.8	<2.15	<8.5	<1.65	<5.7	<8.55
G-13-W	02/06/17	NS	NS	4.1	19.6	<0.43	<1.7	18.3	8.36	39.6
G-14-W	02/07/17	NS	NS	0.88	<0.56	<0.43	<1.7	0.94	<1.14	<1.71
G-15-W	02/07/17	NS	NS	5.7	3.8	<2.15	<8.5	14.9	20.8	13.9
G-16-W	02/07/17	NS	NS	<1.35	<2.8	<2.15	<8.5	<1.65	<5.7	<8.55
G-17-W	02/07/17	NS	NS	3050	3800	<21.5	610	17900	3170	15800
ENFORCEMENT STANDARD ES = Bold		15	-	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics		<i>1.5</i>	-	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

NS = Not Sampled
 (ppb) = parts per billion
 DRO = Diesel Range Organics
 GRO = Gasoline Range Organics
 (ppm) = parts per million

A.2 Soil Analytical Results Table
Auto Repair on Vliet BRRTS #03-41-286924

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Cadmium (ppm)	Benzene (ppm)	1,2-Dichloroethane (ppm)	Ethylbenzene (ppm)	MTBE (ppm)	Naphthalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppb)	DIRECT CONTACT - PVOC & PAH & Lead			
																			Exceedance Count	Hazard Index	Cumulative Cancer Risk	
B1	0-2	U	08/17/01	BDL	327	NS	NS	NS	4.7	NS	NS	NS	NS	21	NS	NS	NS	NS	NS	2	0.8762	5.6E-06
B1	4-6	U	08/17/01	BDL	NS	973	NS	<0.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1	0.2306	2.7E-06
B2	0-2	U	08/17/01	BDL	87	28	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1	0.2480	1.8E-06
B2	4-6	U	08/17/01	BDL	NS	31	NS	<0.38	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1	0.2480	1.8E-06
B3	0-2	U	08/17/01	BDL	96	25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1	0.2480	1.8E-06
B3	4-6	U	08/17/01	BDL	NS	95	NS	<0.40	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1	0.2480	1.8E-06
G-1-1	2.0	U	02/06/17	4.6	NOT SAMPLED													NS	0			
G-2-1	2.0	U	02/06/17	850.0	441.00	NS	NS	NS	<0.03	<0.038	0.38	<0.05	0.75	0.33	3.20	1.29	2.72	NS	NS	1	1.1226	1.8E-07
G-3-1	3.5	U	02/06/17	102.0	10.40	NS	NS	NS	<0.3	<0.38	5.80	<0.5	14.40	1.32	49.00	17.90	23.40	NS	NS	1	0.2953	3.3E-06
G-3-2	7.0	U	02/06/17	822.0	NOT SAMPLED													NS				
G-3-3	10.0	U	02/06/17	470.0	5.55	NS	NS	NS	16.80	<1.9	128.00	<2.5	65.00	230.00	312*	110.00	632*	SEE VOC SHEET	NS			
G-4-1	3.5	U	02/06/17	5.0	6.28	NS	NS	NS	<0.03	<0.038	<0.035	<0.05	<0.094	<0.032	<0.025	<0.032	<0.116	NS	NS	0	0.0019	9.9E-08
G-4-2	8.0	U	02/06/17	5.0	NOT SAMPLED													NS				
G-4-3	11.5	U	02/06/17	11.7	NS	NS	NS	NS	<0.03	<0.038	<0.035	<0.05	<0.094	<0.032	<0.025	<0.032	<0.116	NS	NS			
G-4-4	14.0	S	02/06/17	178.0	NOT SAMPLED													NS				
G-5-1	3.5	U	02/06/17	1.6	3.07	NS	NS	NS	<0.03	<0.038	<0.035	<0.05	<0.094	<0.032	<0.025	<0.032	<0.116	NS	NS	0	0.0019	9.9E-08
G-5-2	8.0	U	02/06/17	1.1	NOT SAMPLED													NS				
G-5-3	10.0	U	02/06/17	1.3	NS	NS	NS	NS	<0.03	<0.038	<0.035	<0.05	<0.094	<0.032	<0.025	<0.032	<0.116	NS	NS			
G-5-4	16.0	S	02/06/17	1.7	NOT SAMPLED													NS				
G-6-1	3.5	U	02/06/17	1.1	4.68	NS	NS	NS	<0.03	<0.038	<0.035	<0.05	<0.094	<0.032	<0.025	<0.032	<0.116	NS	NS	0	0.0019	9.9E-08
G-6-2	8.0	U	02/06/17	734.0	NS	NS	NS	NS	0.53	<0.38	65.00	<0.5	23.60	15.30	136.00	48.00	177.00	NS	NS			
G-6-3	12.0	U	02/06/17	275.0	NOT SAMPLED													NS				
G-6-4	16.0	S	02/06/17	519.0	NS	NS	NS	NS	3.50	<0.38	2.18	<0.5	3.60	8.20	3.60	1.36	9.14	NS	NS			
G-7-1	3.5	U	02/06/17	37.0	3.53	NS	NS	NS	<0.05	<0.094	<0.05	<0.094	<0.05	<0.094	<0.05	<0.094	<0.05	NS	NS	0	0.034	1.9E-07
G-7-2	8.0	U	02/06/17	688.0	NOT SAMPLED													NS				
G-7-3	10.0	U	02/06/17	166.0	NS	NS	NS	NS	26.30	<0.76	105.00	<1	34.00	226.00	138.00	49.00	397*	NS	NS			
G-7-4	16.0	S	02/06/17	92.0	NOT SAMPLED													NS				
G-8-1	3.5	U	02/06/17	8.4	11.50	NS	NS	NS	<0.03	<0.038	<0.035	<0.05	<0.094	<0.032	<0.025	<0.032	<0.116	NS	NS	0	0.0019	9.9E-08
G-8-2	8.0	U	02/06/17	5.8	NOT SAMPLED													NS				
G-8-3	11.0	U	02/06/17	809.0	NS	NS	NS	NS	7.60	<0.76	72.00	<1	49.00	98.00	196.00	67.00	383*	NS	NS			
G-8-4	16.0	S	02/06/17	131.0	NOT SAMPLED													NS				
G-9-1	3.5	U	02/06/17	5.2	NOT SAMPLED													NS				
G-9-2	8.0	U	02/06/17	35.0	NOT SAMPLED													NS				
G-9-3	10.0	U	02/06/17	649.0	NS	NS	NS	NS	7.00	<0.76	59.00	<1	42.00	56.00	120.00	46.00	212.00	NS	NS			
G-9-4	16.0	S	02/06/17	56.0	NOT SAMPLED													NS				
G-10-1	3.5	U	02/06/17	136.0	256.00	NS	NS	NS	<0.03	<0.038	0.041	<0.05	<0.094	0.038	0.098	0.035	0.099-0.143	NS	NS	0	0.6422	1.0E-07
G-10-2	8.0	U	02/06/17	7.2	NOT SAMPLED													NS				
G-10-3	11.0	S	02/06/17	5.1	NS	NS	NS	NS	<0.03	<0.038	<0.035	<0.05	<0.094	<0.032	<0.025	<0.032	<0.116	NS	NS			
G-10-4	16.0	S	02/06/17	4.4	NOT SAMPLED													NS				
G-11-1	3.5	U	02/06/17	4.2	NOT SAMPLED													NS				
G-11-2	8.0	U	02/06/17	4.0	NOT SAMPLED													NS				
G-11-3	12.0	U	02/06/17	4.1	NOT SAMPLED													NS				
G-11-4	14.0	S	02/06/17	3.0	NOT SAMPLED													NS				
G-12-1	3.5	U	02/06/17	2.7	NOT SAMPLED													NS				
G-12-2	8.0	U	02/06/17	3.0	NOT SAMPLED													NS				
G-12-3	12.0	U	02/06/17	3.0	NOT SAMPLED													NS				
G-13-1	3.5	U	02/06/17	2.7	NOT SAMPLED													NS				
G-13-2	8.0	U	02/06/17	2.4	NOT SAMPLED													NS				
G-13-3	12.0	U	02/06/17	2.7	NOT SAMPLED													NS				
G-14-1	3.5	U	02/07/17	1.0	NOT SAMPLED													NS				
G-14-2	8.0	U	02/07/17	1.3	NOT SAMPLED													NS				
G-14-3	12.0	U	02/07/17	1.4	NOT SAMPLED													NS				
G-15-1	3.5	U	02/07/17	1.9	NOT SAMPLED													NS				
G-15-2	8.0	U	02/07/17	1.9	NOT SAMPLED													NS				
G-15-3	11.5	S	02/07/17	482.0	NS	NS	NS	NS	<0.15	<0.19	0.57	<0.25	1.44	<0.16	20.70	10.80	1.40	NS	NS			
G-15-4	16.0	S	02/07/17	2.8	NOT SAMPLED													NS				
G-16-1	3.5	U	02/07/17	1.2	NOT SAMPLED													NS				
G-16-2	8.0	U	02/07/17	1.5	NOT SAMPLED													NS				
G-16-3	12.0	S	02/07/17	1.6	NOT SAMPLED													NS				
G-16-4	16.0	S	02/07/17	1.5	NOT SAMPLED													NS				
G-17-1	3.5	U	02/07/17	115.0	24.30	NS	NS	NS	<0.03	<0.038	<0.035	<0.05	<0.094	<0.032	0.43	0.16	0.43	NS	NS	0	0.0039	9.9E-08
G-17-2	8.0	U	02/07/17	10.0	NS	NS	NS	NS	<0.03	<0.038	<0.035	<0.05	<0.094	<0.032	<0.025	<0.032	<0.116	NS	NS			
G-17-3	12.0	U	02/07/17	149.0	NS	NS	NS	NS	<0.3	<0.38	<0.35	<0.5	1.85	<0.32	79.00	87.00	7.50	NS	NS			
Groundwater RCL					27	-	-	0.752	0.0051	0.0028	1.57	0.027	0.6582	1.1072	1.3787		3.96	-	-			
Non-Industrial Direct Contact RCL					400	-	-	71.1	1.6	0.652	8.02	63.8	5.52	818	219	182	260	-	-	1.00E+00	1.00E-05	
Industrial Direct Contact RCL					(800)	-	-	(0.985)	(7.07)	(2.87)	(35.4)	(282)	(24.1)	(818)	(219)	(182)	(260)	-	-	1.00E+00	1.00E-05	
Soil Saturation Concentration (C-sat)*					-	-	-	-	1820*	540*	480*	8870*	-	818*	219*	182*	260*	-	-			

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

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

A.2 Soil Analytical Results Table
Auto Repair on Vliet BRRTS #03-41-286924

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Cadmium (ppm)	Benzene (ppm)	1,2-Dichloroethane (ppm)	Ethylbenzene (ppm)	MTBE (ppm)	Naphthalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppb)	DIRECT CONTACT - PVOC & PAH & Lead					
																			Exeedance Count	Hazard Index	Cumulative Cancer Risk			
MW-7-1	3.5	U	09/10/19	6.3	NS	NS	NS	NS	<0.025	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0					
MW-7-2	8.0	U	09/10/19	6.9	NS	NS	NS	NS	<0.025	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS						
MW-7-3	12.0	S	09/10/19	398.0	NS	NS	NS	NS	NOT SAMPLED													NS		
MW-7-4	16.0	S	09/10/19	15.1	NS	NS	NS	NS	NOT SAMPLED													NS		
Groundwater RCL					27	-	-	0.752	0.0051	0.0028	1.57	0.027	0.6582	1.1072	1.3787		3.96	-						
Non-Industrial Direct Contact RCL					400	-	-	71.1	1.6	0.652	8.02	63.8	5.52	818	219	182	260	-		1.00E+00	1.00E-05			
Industrial Direct Contact RCL					(800)	-	-	(0.985)	(7.07)	(2.87)	(35.4)	(282)	(24.1)	(818)	(219)	(182)	(260)	-		1.00E+00	1.00E-05			
Soil Saturation Concentration (C-sat)*					-	-	-	-	1820*	540*	480*	8870*	-	818*	219*	182*	260*	-						

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DRO = Diesel Range Organics

GRO = Gasoline Range Organics

PID = Photoionization Detector

PVOC's = Petroleum Volatile Organic Compounds

VOC's = Volatile Organic Compounds

Note: Non-Industrial RCLs apply to this site.

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

A.2 Soil Analytical Results Table
(PAH)
Auto Repair on Vliet BRRTS #03-41-286924

Sample	Depth (feet)	Saturation U/S	Date	Acenaph-thene (ppm)	Acenaph-thylene (ppm)	Anthracene (ppm)	Benzo(a)anthracene (ppm)	Benzo(a)pyrene (ppm)	Benzo(b)fluoranthene (ppm)	Benzo(g,h,i)perylene (ppm)	Benzo(k)fluoranthene (ppm)	Chrysene (ppm)	Dibenzo(a,h)anthracene (ppm)	Fluoranthene (ppm)	Fluorene (ppm)	Indeno(1,2,3-cd)pyrene (ppm)	1-Methyl-naphthalene (ppm)	2-Methyl-naphthalene (ppm)	Naphthalene (ppm)	Phenan-threne (ppm)	Pyrene (ppm)	DIRECT CONTACT - PVOC & PAH			
																						Exceedance Count	Hazard Index	Cumulative Cancer Risk	
B-1	0-2	U	08/17/01	NS	NS	0.135	0.247	0.174	0.0298	0.116	0.277	0.24	NS	0.467	0.058	0.99	NS	NS	NS	0.559	0.549	2	0.8762	5.6E-06	
B-2	0-2	U	08/17/01	NS	NS	NS	0.218	0.225	0.424	0.234	0.397	0.28	NS	0.369	NS	0.182	NS	NS	NS	0.148	0.469	1	0.2306	2.7E-06	
B-3	0-2	U	08/17/01	NS	NS	NS	0.179	0.136	0.318	0.173	0.297	0.209	NS	0.356	NS	0.14	NS	NS	NS	0.156	0.404	1	0.2480	1.8E-06	
Groundwater RCL				---	---	196.9492	---	0.47	0.4781	---	---	0.1442	---	88.8778	14.8299	---	---	---	0.6582	---	54.5455				
Non-Industrial Direct Contact RCL				3590	---	17900	1.14	0.115	1.15	---	11.5	115	0.115	2390	2390	1.15	17.6	239	5.52	---	1790		1.00E+00	1.00E-05	
Industrial Direct Contact RCL				(45200)	---	(100000)	(20.8)	(2.11)	(21.1)	---	(211)	(2110)	(2.11)	(30100)	(30100)	(21.1)	(72.7)	(3010)	(24.1)	---	(22600)				
Soil Saturation Concentration (C-sat)*				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			

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Bold & Parentheses = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
 NS = Not Sampled NM = Not Measured
 (ppm) = parts per million ND = No Detects
 PAH = Polynuclear Aromatic Hydrocarbons
 PID = Photoionization Detector
 VOC's = Volatile Organic Compounds

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

A.2 Soil Analytical Results Table
 Auto Repair on Vilet BRRS #03-41-286924

Sampling Conducted on February 2, 2016

VOC's	Sample ID#	Sample Depth/ft.	Solids Percent	Groundwater		Soil	
				RCL	Industrial Direct Contact RCL	Industrial Direct Contact RCL	Saturation (C-sat) RCL
	G-3-3	10	84.2				
Benzene/ppm	16.8 "J"			0.0051	<u>1.6</u>	(7.07)	1820*
Bromobenzene/ppm	< 1.25			==	<u>342</u>	(679)	==
Bromodichloromethane/ppm	< 3.7			0.0003	<u>0.418</u>	(1.83)	==
Bromoform/ppm	< 1.45			0.0023	<u>25.4</u>	(113)	==
tert-Butylbenzene/ppm	< 1.3			==	<u>183</u>	(183)	183*
sec-Butylbenzene/ppm	8.1			==	<u>145</u>	(145)	145*
n-Butylbenzene/ppm	38			==	<u>108</u>	(108)	108*
Carbon Tetrachloride/ppm	< 0.8			0.0039	<u>0.916</u>	(4.03)	==
Chlorobenzene/ppm	< 0.65			==	<u>370</u>	(761)	761*
Chloroethane/ppm	< 4.55			0.2266	==	==	==
Chloroform/ppm	< 1.75			0.0033	<u>0.454</u>	(1.98)	==
Chloromethane/ppm	< 3.8			0.0155	<u>159</u>	(669)	==
2-Chlorotoluene/ppm	< 0.75			==	<u>907</u>	(907)	907*
4-Chlorotoluene/ppm	< 0.9			==	<u>253</u>	(253)	253*
1,2-Dibromo-3-chloropropane/ppm	< 2.9			0.0002	<u>0.008</u>	(0.092)	==
Dibromochloromethane/ppm	< 1.25			0.032	<u>8.28</u>	(38.9)	==
1,4-Dichlorobenzene/ppm	< 1.85			0.144	<u>3.74</u>	(16.4)	==
1,3-Dichlorobenzene/ppm	< 1.85			1.1528	<u>297</u>	(297)	297*
1,2-Dichlorobenzene/ppm	< 1.4			1.168	<u>376</u>	(376)	376*
Dichlorodifluoromethane/ppm	< 2.4			3.0863	<u>126</u>	(530)	==
1,2-Dichloroethane/ppm	< 1.9			0.0028	<u>0.652</u>	(2.87)	540*
1,1-Dichloroethane/ppm	< 1.7			0.4834	<u>5.06</u>	(22.2)	==
1,1-Dichloroethene/ppm	< 1.1			0.005	<u>320</u>	(1190)	1190*
cis-1,2-Dichloroethene/ppm	< 1.6			0.0412	<u>156</u>	(2340)	==
trans-1,2-Dichloroethene/ppm	< 1.4			0.0626	<u>1560</u>	(1850)	==
1,2-Dichloropropane/ppm	< 1.75			0.0033	<u>3.4</u>	(15)	==
2,2-Dichloropropane/ppm	< 1.85			==	<u>191</u>	191	191*
1,3-Dichloropropane/ppm	< 1.25			==	<u>1490</u>	(1490)	1490*
Di-isopropyl ether/ppm	< 0.5			==	<u>2260</u>	(2260)	2260*
EDB (1,2-Dibromoethane)/ppm	< 1.15			0.0000282	<u>0.05</u>	(0.221)	==
Ethylbenzene/ppm	128			1.57	<u>8.02</u>	(35.4)	480*
Hexachlorobutadiene/ppm	< 4.25			==	<u>1.63</u>	(7.19)	==
Isopropylbenzene/ppm	19.3			==	==	==	==
p-Isopropyltoluene/ppm	8.4			==	<u>162</u>	(162)	162*
Methylene chloride/ppm	< 7.5			0.0026	<u>61.8</u>	(1150)	==
Methyl tert-butyl ether (MTBE)/ppm	< 2.5			0.027	<u>63.8</u>	(282)	8870*
Naphthalene/ppm	65			0.6582	<u>5.52</u>	(24.1)	==
n-Propylbenzene/ppm	43			==	==	==	==
1,1,2,2-Tetrachloroethane/ppm	< 1.4			0.0002	<u>0.81</u>	(3.6)	==
1,1,1,2-Tetrachloroethane/ppm	< 1.4			0.0534	<u>2.78</u>	(12.3)	==
Tetrachloroethene (PCE)/ppm	< 1.6			0.0045	<u>33</u>	(145)	==
Toluene/ppm	230			1.1072	<u>818</u>	(818)	818*
1,2,4-Trichlorobenzene/ppm	< 3.2			0.408	<u>24</u>	(113)	==
1,2,3-Trichlorobenzene/ppm	< 3.3			==	<u>62.6</u>	(934)	==
1,1,1-Trichloroethane/ppm	< 1.5			0.1402	<u>640</u>	(640)	640*
1,1,2-Trichloroethane/ppm	< 1.65			0.0032	<u>1.59</u>	(7.01)	==
Trichloroethene (TCE)/ppm	< 2.05			0.0036	<u>1.3</u>	(8.41)	==
Trichlorofluoromethane/ppm	< 2.05			4.4775	<u>1230</u>	(1230)	1230*
1,2,4-Trimethylbenzene/ppm	312*			1.3787	<u>219</u>	(219)	219*
1,3,5-Trimethylbenzene/ppm	110			==	<u>182</u>	(182)	182*
Vinyl Chloride/ppm	< 0.95			0.0001	<u>0.067</u>	(2.08)	==
m&p-Xylene/ppm	450*			3.96	<u>260</u>	(260)	260*
o-Xylene/ppm	162						

NS = not sampled, NM = Not Measured

(ppm) = parts per million

== = No Exceedences

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

Note: Non-Industrial RCLs apply to this site.

A.3 Residual Soil Analytical Results Table
Auto Repair on Viet BRRTS #03-41-286924

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Cadmium (ppm)	Benzene (ppm)	1,2-Dichloroethane (ppm)	Ethylbenzene (ppm)	MTBE (ppm)	Naphthalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppb)	DIRECT CONTACT - PVOC & PAH			
																			Exceedance Count	Hazard Index	Cumulative Cancer Risk	
B2	0-2	U	08/17/01	BDL	87	28	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1	0.2306	2.7E-06
B3	0-2	U	08/17/01	BDL	96	25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1	0.2480	1.8E-06
G-6-4	16.0	S	02/06/17	519.0	NS	NS	NS	NS	3.50	<0.38	2.18	<0.5	3.60	8.20	3.60	1.36	9.14	NS				
G-10-1	3.5	U	02/06/17	136.0	256.00	NS	NS	NS	<0.03	<0.038	0.041	<0.05	<0.094	0.038	0.098	0.035	0.099-0.143	NS	0	0.6422	1.0E-07	
G-15-3	11.5	S	02/07/17	482.0	NS	NS	NS	NS	<0.15	<0.19	0.57	<0.25	1.44	<0.16	20.70	10.80	1.40	NS				
EX-2	9.0	U	10/08/18	110.0	NS	NS	NS	NS	0.081	NS	5.6	<0.025	5.7	5.0	10.8	4.0	22.9	NS				
EX-5	15.0	S	10/08/18	5.0	NS	NS	NS	NS	5.80	NS	0.121	<0.025	0.109	5.9	0.049	0.0263	0.334	NS				
EX-8	15.0	S	10/08/18	15.0	NS	NS	NS	NS	1.89	NS	1.68	<0.025	1.27	4.90	2.3	0.80	7.69	NS				
EX-10	9.0	U	10/08/18	125.0	NS	NS	NS	NS	0.92	NS	8.0	<0.025	4.10	12.8	12.4	5.7	30.2	NS				
EX-15	9.0	U	10/08/18	95.0	NS	NS	NS	NS	<1.25	NS	30.3	<1.25	29.9	23.4	53	45	122	NS				
EX-18	15.0	S	10/08/18	70.0	NS	NS	NS	NS	6.7	NS	23.4	<1.25	16.8	36	30.4	20.4	84.7	NS				
EX-21	15.0	S	10/08/18	45.0	NS	NS	NS	NS	2.37	NS	2.05	<0.025	0.038	7.6	<0.025	<0.025	6.77	NS				
Groundwater RCL					27	-	-	0.752	0.0051	0.0028	1.57	0.027	0.6582	1.1072	1.3787		3.96	-				
Non-Industrial Direct Contact RCL					400	-	-	71.1	1.6	0.652	8.02	63.8	5.52	818	219	182	260	-		1.00E+00	1.00E-05	
Industrial Direct Contact RCL					(800)	-	-	(0.985)	(7.07)	(2.87)	(35.4)	(282)	(24.1)	(818)	(219)	(182)	(260)	-		1.00E+00	1.00E-05	
Soil Saturation Concentration (C-sat)*					-	-	-	-	1820*	540*	480*	8870*	-	818*	219*	182*	260*	-				

Bold = Groundwater RCL Exceedance

Bold & Underline = Non Industrial Direct Contact RCL Exceedance

(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance

Bold & Asteric * = C-sat Exceedance

NS = Not Sampled

NM = Not Measured

(ppm) = parts per million

ND = No Detects

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

PID = Photoionization Detector

PVOC's = Petroleum Volatile Organic Compounds

VOC's = Volatile Organic Compounds

Note: Non-Industrial RCLs apply to this site.

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

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

A.3. Residual Soil Analytical Results Table
(cPAH)
Auto Repair on Vliet BRRTS #03-41-286924

Sample	Depth (feet)	Saturation U/S	Date	Acenaphthene (ppm)	Acenaphthylene (ppm)	Anthracene (ppm)	Benzo(a)anthracene (ppm)	Benzo(a)pyrene (ppm)	Benzo(b)fluoranthene (ppm)	Benzo(g,h,i)perylene (ppm)	Benzo(k)fluoranthene (ppm)	Chrysene (ppm)	Dibenzo(a,h)anthracene (ppm)	Fluoranthene (ppm)	Fluorene (ppm)	Indeno(1,2,3-cd)pyrene (ppm)	1-Methylnaphthalene (ppm)	2-Methylnaphthalene (ppm)	Naphthalene (ppm)	Phenanthrene (ppm)	Pyrene (ppm)	DIRECT CONTACT		
																						(Cumulative) cPAH Cancer Risk	Cumulative Hazard Index	
B-2	0-2	U	08/17/01	NS	NS	NS	0.218	0.225	0.424	0.234	0.397	0.28	NS	0.369	NS	0.182	NS	NS	NS	0.148	0.469	2.7E-06**	0.0131	
B-3	0-2	U	08/17/01	NS	NS	NS	0.179	0.136	0.318	0.173	0.297	0.209	NS	0.356	NS	0.14	NS	NS	NS	0.156	0.404	1.8E-06**	0.008	
Groundwater RCL				---	---	196.9492	---	0.47	0.4781	---	---	0.1442	---	88.8778	14.8299	---	---	---	0.6582	---	54.5455			
Non-Industrial Direct Contact RCL				3590	---	17900	1.14	0.115	1.15	---	11.5	115	0.115	2390	2390	1.15	17.6	239	5.52	---	1790	5.00E-06	1.00E+00	
Industrial Direct Contact RCL				(45200)	---	(100000)	(20.8)	(2.11)	(21.1)	---	(211)	(2110)	(2.11)	(30100)	(30100)	(21.1)	(72.7)	(3010)	(24.1)	---	(22600)			
Soil Saturation Concentration (C-sat)*				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		

Bold = Groundwater RCL Exceedance

Bold & Underline = Direct Contact RCL Exceedance

(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance

Bold & Asteric * = C-sat Exceedance

NS = Not Sampled

(ppm) = parts per million

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

PID = Photoionization Detector

VOC's = Volatile Organic Compounds

U = unsaturated (based on all time low water table per WDNR)

S = saturated (based on all time low water table per WDNR)

** = Direct Contact Fall-Out Due to cPAH Calculator

A.4 Vapor Analytical Table
 Sub-Slab Sampling Data Table for Auto Repair on Vliet
 BY METCO

Sub-Slab Sampling conducted on:	1/7/2020	1/7/2020	2/24/2020	WDNR	WDNR
				Residential Sub-Slab Vapor Action Levels for Various VOCs Quick Look-Up Table Updated November, 2017 (ug/m ³)	Small Commercial Sub-Slab Vapor Action Levels for Various VOCs Quick Look-Up Table Updated November, 2017 (ug/m ³)
Sample ID	SSVS-1	SSVS-2	SSVS-2		

Benzene – ug/m ³	0.69	314	15.3	120	530	c
Carbon Tetrachloride – ug/m ³	NS	NS	NS	160	670	c
Chloroform – ug/m ³	NS	NS	NS	40	180	c
Chloromethane – ug/m ³	NS	NS	NS	3100	13000	n
Dichlorodifluoromethane – ug/m ³	NS	NS	NS	3300	15000	n
1,1-Dichloroethane (1,1-DCA) – ug/m ³	NS	NS	NS	600	2600	c
1,2-Dichloroethane (1,2-DCA) – ug/m ³	NS	NS	NS	37	160	c
1,1-Dichloroethylene (1,1-DCE) – ug/m ³	NS	NS	NS	7000	29000	n
1,2-Dichloroethylene (cis and trans) – ug/m ³	NS	NS	NS	NA	NA	-
Ethylbenzene – ug/m ³	<0.42	2010	25.1	370	1600	c
Methylene chloride – ug/m ³	NS	NS	NS	21000	87000	n
Methyl Tert-Butyl Ether (MTBE) – ug/m ³	<0.92	<244	<3.2	3700	16000	c
Naphthalene – ug/m ³	<1.8	<483	<13.5	28	120	c
Tetrachloroethylene -ug/m ³	NS	NS	NS	1400	6000	n
Toluene – ug/m ³	2.2	1010	45	170000	730000	n
1,1,1-Trichloroethane – ug/m ³	NS	NS	NS	170000	730000	n
Trichloroethylene – ug/m ³	NS	NS	NS	70	290	n
Trichlorofluoromethane (Halcarbon 11) – ug/m ³	NS	NS	NS	NA	NA	-
Trimethylbenzene (1,2,4) – ug/m ³	1.4	1010	81	2100	8700	n
Trimethylbenzene (1,3,5) – ug/m ³	<0.55	549	46	2100	8700	n
Vinyl chloride – ug/m ³	NS	NS	NS	57	930	c
Xylene (total) -ug/m ³	<1.45	3110	86	3300	15000	n

ug/m³ = Micrograms per cubic meter.

< = Less than the reporting limit indicated in parentheses.

Bold = Sub-Slab Standard Exceedance

NS = Not sampled

c = Carcinogen

n = Non Carcinogen

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

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

B = Compound was found in the blank and sample

E = Result exceeded calibration range

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

Please note that the dilution factor (DF) for sample **SSVS-2** was 368.6 times thus giving elevated Limits of Detection (LOD) for the PVOC and Naphthalene compounds. This was due to elevated levels of the tentatively identified Compounds below:

	1/7/2020	
Isobutane	25500J	ppbv
Butane	63700J	ppbv
Pentane	59900J	ppbv
Pentane, 2-methyl-	72000J	ppbv
Pentane, 3-methyl-	35600J	ppbv
Cyclopentane, methyl-	39200J	ppbv
Pentane, 2,3,4-trimethyl	61.3J	ppbv
1-Hexanol 3,-methyl-	19000J	ppbv
Cyclopentane 1,2,3-trim	309J	ppbv
Hexane, 2,3-dimethyl-	279J	ppbv
Cyclohexane, 1,3-dimethyl	2500J	ppbv

A.6 Water Level Elevations
Auto Repair on Vliet BRRTS #03-41-286924
Milwaukee, Wisconsin

	MW-1	MW-1R	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
Ground Surface (feet msl)	681.35	681.54	683.07	682.79	680.70	679.96	680.66	681.32
PVC top (feet msl)	680.67	681.12	682.54	682.35	680.05	679.45	680.20	681.03
Well Depth (feet)	17.00	17.00	16.00	17.00	17.00	17.00	17.00	15.00
Top of screen (feet msl)	674.35	674.54	677.07	675.79	673.70	672.96	673.66	676.32
Bottom of screen (feet msl)	664.35	664.54	667.07	665.79	663.70	662.96	663.66	666.32
Depth to Water From Top of PVC (feet)								
05/10/17	12.55	NI	8.30	9.06	11.16	11.69	NI	NI
12/18/18	A	12.72	9.53	10.30	11.51	11.70	11.89	NI
03/13/19	A	12.35	9.78	10.21	11.21	11.65	11.51	NI
10/08/19	A	12.20	9.04	9.63	11.23	11.64	11.64	10.65
01/07/20	A	12.59	9.21	10.14	11.52	11.71	11.88	11.10
Depth to Water From Ground Surface (feet)								
05/10/17	13.23	NI	8.83	9.50	11.81	12.20	NI	NI
12/18/18	A	13.14	10.06	10.74	12.16	12.21	12.35	NI
03/13/19	A	12.77	10.31	10.65	11.86	12.16	11.97	NI
10/08/19	A	12.62	9.57	10.07	11.88	12.15	12.10	10.94
01/07/20	A	13.01	9.74	10.58	12.17	12.22	12.34	11.39
Groundwater Elevation (feet msl)								
05/10/17	668.12	NI	674.24	673.29	668.89	667.76	NI	NI
12/18/18	A	668.40	673.01	672.05	668.54	667.75	668.31	NI
03/13/19	A	668.77	672.76	672.14	668.84	667.80	668.69	NI
10/08/19	A	668.92	673.50	672.72	668.82	667.81	668.56	670.38
01/07/20	A	668.53	673.33	672.21	668.53	667.74	668.32	669.93

CNL = Could Not Locate

A = Abandoned and removed during soil excavation project

NI = Not Installed

A.7 Other
Groundwater NA Indicator Results
Auto Repair on Vliet BRRTS #03-41-286924

Well MW-1/1R

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/10/17	0.96	6.84	34.00	10.50	1027.00	NS	NS	NS	NS
10/08/18	MW-1 ABANDONED/REMOVED DURING EXCAVATION PROJECT								
11/06/18	MW-1 REPLACED WITH MW-1R								
12/18/18	0.88	7.01	44.80	13.50	981.00	NS	NS	NS	NS
03/13/19	3.30	7.48	-178.4	8.64	1512.00	NS	NS	NS	NS
10/08/19	0.12	7.19	-128.1	15.40	2786.00	NS	NS	NS	NS
01/07/20	1.61	6.83	-148.0	11.19	2395.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	250	0.3	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						<i>2</i>	<i>125</i>	<i>0.15</i>	<i>60</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-2

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/10/17	0.61	7.35	241.00	11.20	748.00	NS	NS	NS	NS
12/18/18	0.97	7.42	248.50	13.31	869.00	NS	NS	NS	NS
03/13/19	3.29	6.96	-97.1	8.58	810.00	NS	NS	NS	NS
10/08/19	NOT SAMPLED								
01/07/20	NOT SAMPLED								
ENFORCE MENT STANDARD = ES – Bold						10	250	0.3	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						<i>2</i>	<i>125</i>	<i>0.15</i>	<i>60</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-3

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/10/17	2.92	7.28	284.00	12.80	595.00	NS	NS	NS	NS
12/18/18	1.40	7.32	287.00	13.56	430.00	NS	NS	NS	NS
03/13/19	NOT SAMPLED								
10/08/19	NOT SAMPLED								
01/07/20	NOT SAMPLED								
ENFORCE MENT STANDARD = ES – Bold						10	250	0.3	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						<i>2</i>	<i>125</i>	<i>0.15</i>	<i>60</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

A.7 Other
Groundwater NA Indicator Results
Auto Repair on Vliet BRRTS #03-41-286924

Well MW-4

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/10/17	1.22	7.43	262.00	12.60	582.00	NS	NS	NS	NS
12/18/18	1.22	7.24	292.10	14.07	616.00	NS	NS	NS	NS
03/13/19	NOT SAMPLED					NS	NS	NS	NS
10/08/19	NOT SAMPLED								
01/07/20	NOT SAMPLED								
ENFORCE MENT STANDARD = ES – Bold						10	250	0.3	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						<i>2</i>	<i>125</i>	<i>0.15</i>	<i>60</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-5

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/10/17	1.33	7.46	235.00	13.90	1744.00	NS	NS	NS	NS
12/18/18	1.30	7.38	231.60	12.70	1253.00	NS	NS	NS	NS
03/13/19	NOT SAMPLED					NS	NS	NS	NS
10/08/19	NOT SAMPLED								
01/07/20	NOT SAMPLED								
ENFORCE MENT STANDARD = ES – Bold						10	250	0.3	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						<i>2</i>	<i>125</i>	<i>0.15</i>	<i>60</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-6

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
12/18/18	0.94	7.29	140.00	13.75	1147.00	NS	NS	NS	NS
03/13/19	3.27	7.37	-227.8	8.94	1579.00	NS	NS	NS	NS
10/08/19	0.30	7.25	135.20	15.44	1201.00	NS	NS	NS	NS
01/07/20	1.48	6.83	-116.6	12.71	1826.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	250	0.3	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						<i>2</i>	<i>125</i>	<i>0.15</i>	<i>60</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

A.7 Other
Groundwater NA Indicator Results
Auto Repair on Vliet BRRTS #03-41-286924

Well MW-7

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
10/08/19	1.12	7.10	40.70	15.97	4847.00	NS	NS	NS	NS
01/07/20	5.03	7.04	261.60	11.49	1004.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES - Bold						10	250	0.3	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	125	0.15	60

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

ns = not sampled

nm = not measured

ORP = Oxidation Reduction Potential

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

**A.7. Other
Slug Test Calculations
Auto Repair on Vliet**

MW-1

	ft/s	cm/s	m/yr
K	1.20E-05	3.66E-04	115.35
	sq ft/s	sq cm/s	
T	5.44E-05	5.05E-02	

MW-2

	ft/s	cm/s	m/yr
K	3.79E-05	1.16E-03	364.30
	sq ft/s	sq cm/s	
T	2.17E-04	2.02E-01	

MW-5

	ft/s	cm/s	m/yr
K	1.60E-05	4.88E-04	153.79
	sq ft/s	sq cm/s	
T	8.66E-05	8.04E-02	

Date	Elv. (High)	Elv. (Low)	Distance (ft)	Hyd Grad (l)
5/10/2017	674.00	668.00	121	0.0495868
12/18/2018	672.00	668.00	132	0.0303030
3/13/2019	672.00	669.00	60	0.0500000
10/8/2019	673.00	668.00	120	0.0416667
1/7/2020	672.00	668.00	121	0.0330579

Average 0.0409229

	K (m/yr)	l	n	Flow Velocity (m/yr)
MW-1	115.35	0.0409229	0.3	15.73486
MW-2	364.3	0.0409229	0.3	49.69404
MW-5	153.79	0.0409229	0.3	20.97844

A.7 Other

Auto Repair on Vliet

Free Product Recovery -- By METCO

DATE		MW-1	GALS REC./PERIOD	TOT GALS RECOVERED
02/16/17	Inches of FP Gals Rec. w/ Absorbent Sock Gals Rec. w/ Bailer	3 No Sock 0.262	0.26	0.26
05/10/17	Inches of FP Gals Rec. w/ Absorbent Sock Gals Rec. w/ Bailer	36 No Sock 4.79	4.79	5.05
05/11/17	Inches of FP Gals Rec. w/ Absorbent Sock Gals Rec. w/ Bailer	8 No Sock 0.497	0.50	5.55

Attachment B/Maps and Figures

B.1 Location Maps

B.1.a Location Map

B.1.b Detailed Site Map

B.1.c RR Site Map

B.2 Soil Figures

B.2.a Soil Contamination

B.2.b Residual Soil Contamination

B.3 Groundwater Figures

B.3.a.1 Geologic Cross-Section Map

B.3.a.2 Geologic Cross-Section Map (Close Up)

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

B.3.b Groundwater Isoconcentration

B.3.c Groundwater Flow Direction

B.3.d Monitoring Wells

B.4 Vapor Maps and Other Media

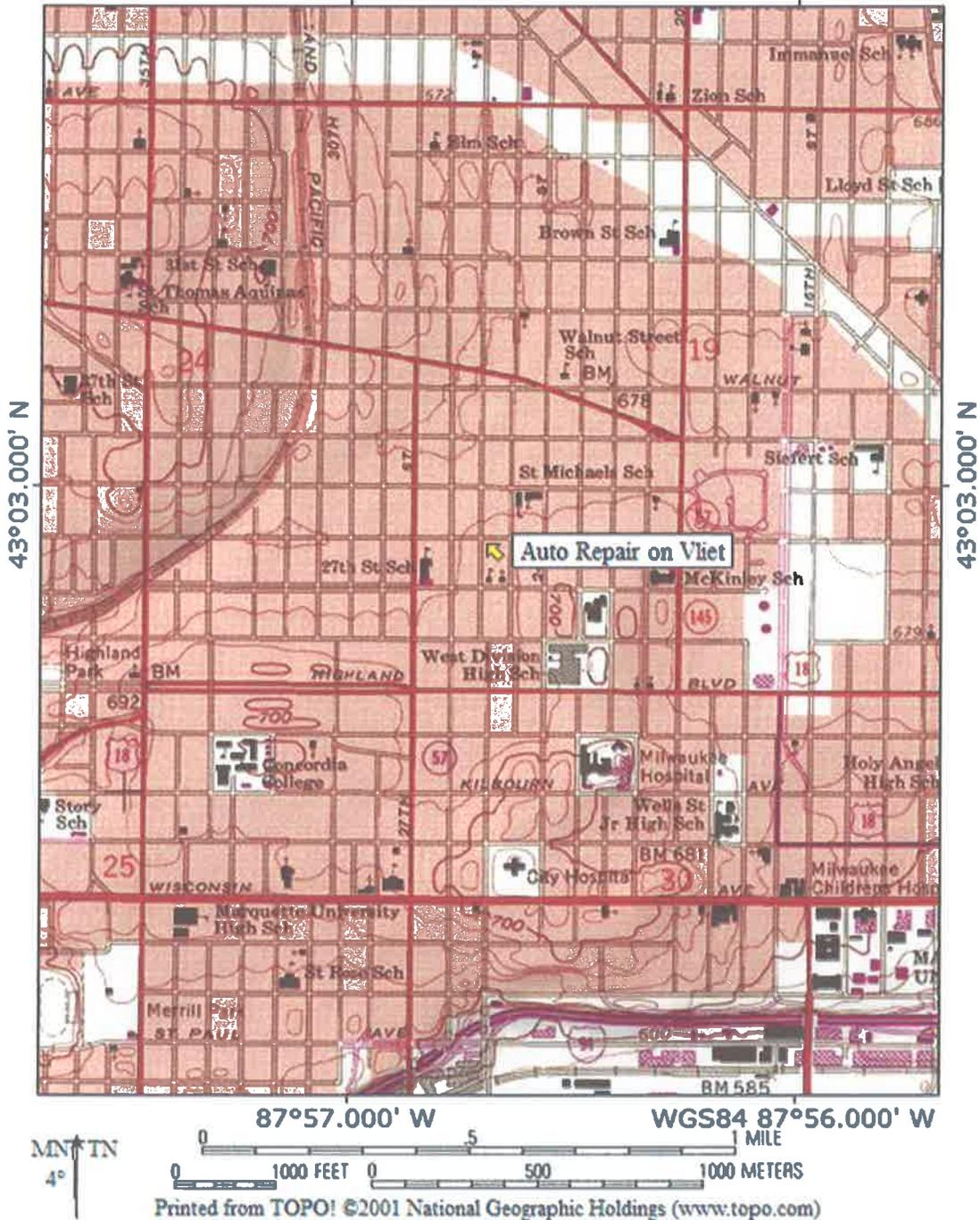
B.4.a Vapor Intrusion Map

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

B.4.c Other – Not applicable.

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

TOPO! map printed on 08/24/16 from "Wisconsin.tpo" and "Untitled.tpg"
87°57.000' W WGS84 87°56.000' W



B.1.a LOCATION MAP
CONTOUR INTERVAL 10 FEET
AUTO REPAIR ON VLIET – MILWAUKEE, WI
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM

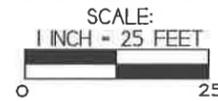
B.I.b
DETAILED SITE MAP
AUTO REPAIR ON VLIET



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 La Crosse, WI 54603
 Tel: (608) 781-8879
 Fax: (608) 781-8893

**MILWAUKEE,
 WISCONSIN**

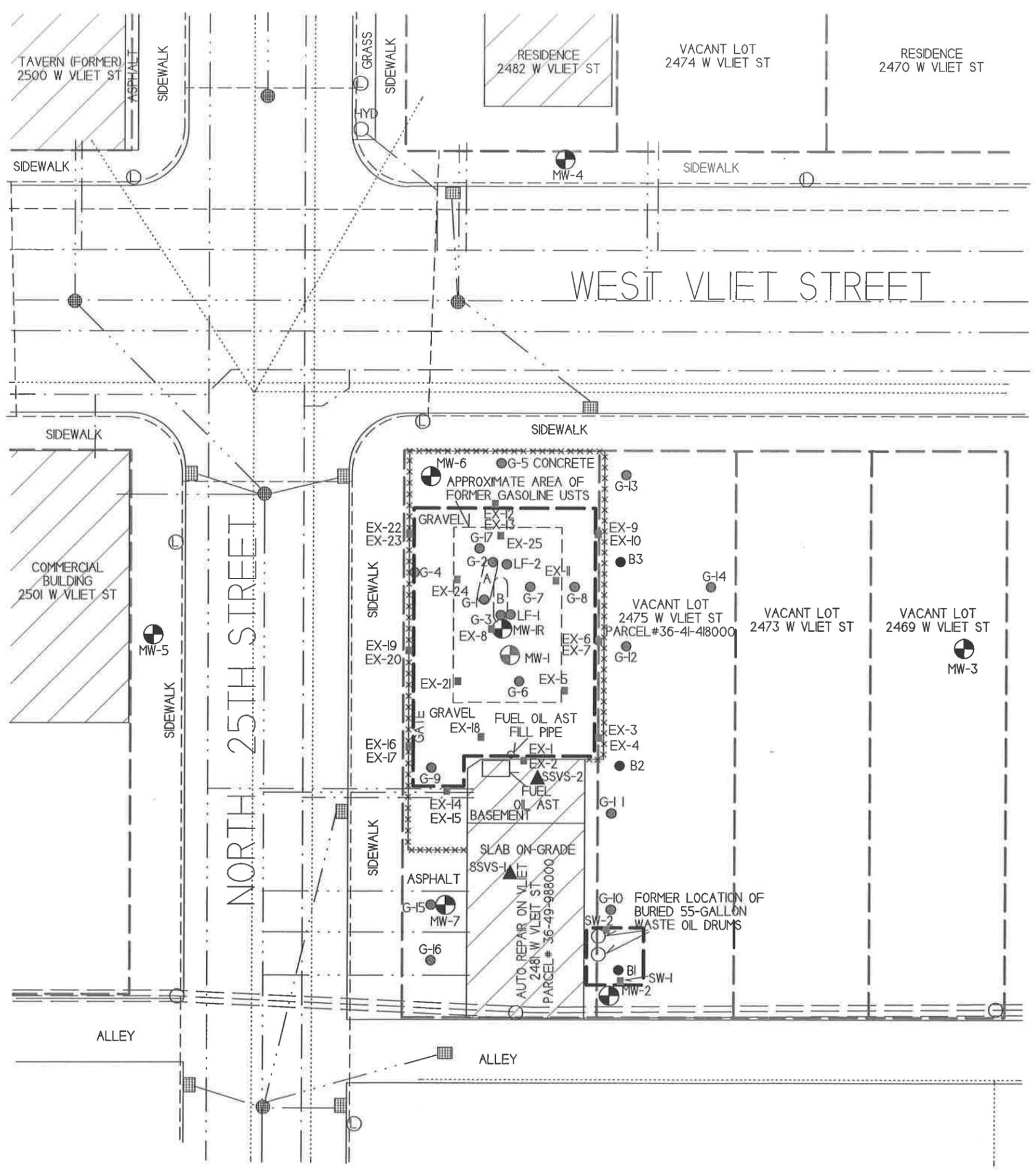
DRAWN BY: ED
 DATE: 8/24/16



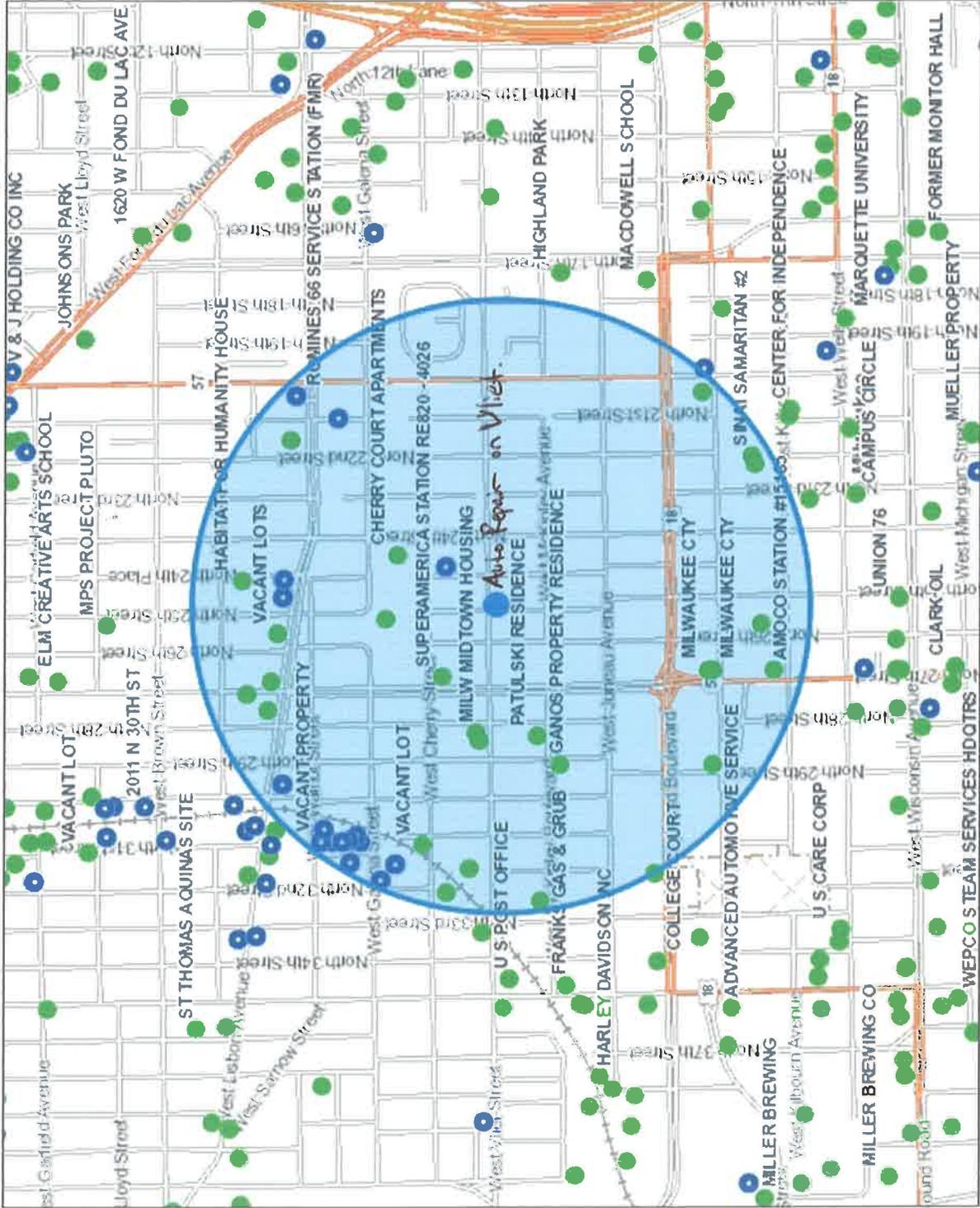
NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

- A - FORMER PUMP ISLAND (2005, 1985, 1980, 1975, AND 1967 AERIAL PHOTOS)
- B - FORMER PUMP ISLAND (1951 AERIAL PHOTO)

- - UTILITY POLE
- ⊙ - STREET LIGHT
- - SEWER MAN HOLE
- - STORM DRAIN
- - EXCAVATION SAMPLE LOCATION
- - SOIL BORING LOCATION (GILES P2ESA)
- - GEOPROBE BORING LOCATION
- ⊙ - MONITORING WELL LOCATION
- ⊙ - MONITORING WELL LOCATION (ABANDONED)
- ▲ - SUB SLAB VAPOR SAMPLE LOCATION
- — — — — - PROPERTY BOUNDARY
- · — · — · - WATER LINE
- · — · — · - SEWER LINE
- · — · — · - NATURAL GAS LINE
- — — — — - BURIED ELECTRIC LINE
- ≡ ≡ ≡ ≡ - OVERHEAD UTILITIES
- · — · — · - TELEPHONE/CABLE LINE
- ***** - FENCE
- - AREAS OF EXCAVATION



B.1.c RR Sites Map



- Legend**
- Open Site (ongoing cleanup)
 - Closed Site (completed cleanup)
 - Municipality
 - State Boundaries
 - County Boundaries
 - Major Roads
 - Interstate Highway
 - State Highway
 - US Highway
 - County and Local Roads
 - County HWY
 - Local Road
 - Railroads
 - Tribal Lands



Notes

DISCLAIMER: The information shown on these maps has been obtained from various sources, and is 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.wis.gov/legal>

Note: Not all sites are mapped.

0.5 Miles

0 0.25



1:15,840

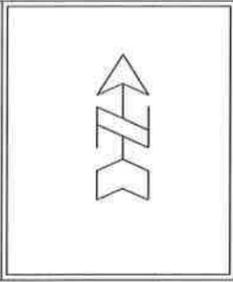
NAD_1983_HARN_Wisconsin_TM
© Latitude Geographics Group Ltd.

**B.2.d. SOIL CONTAMINATION
AUTO REPAIR ON VLIET**

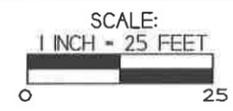


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Fax: (608) 781-8893

MILWAUKEE, WISCONSIN
DRAWN BY: ED
DATE: 8/24/16
UPDATED BY: KF 5/1/20



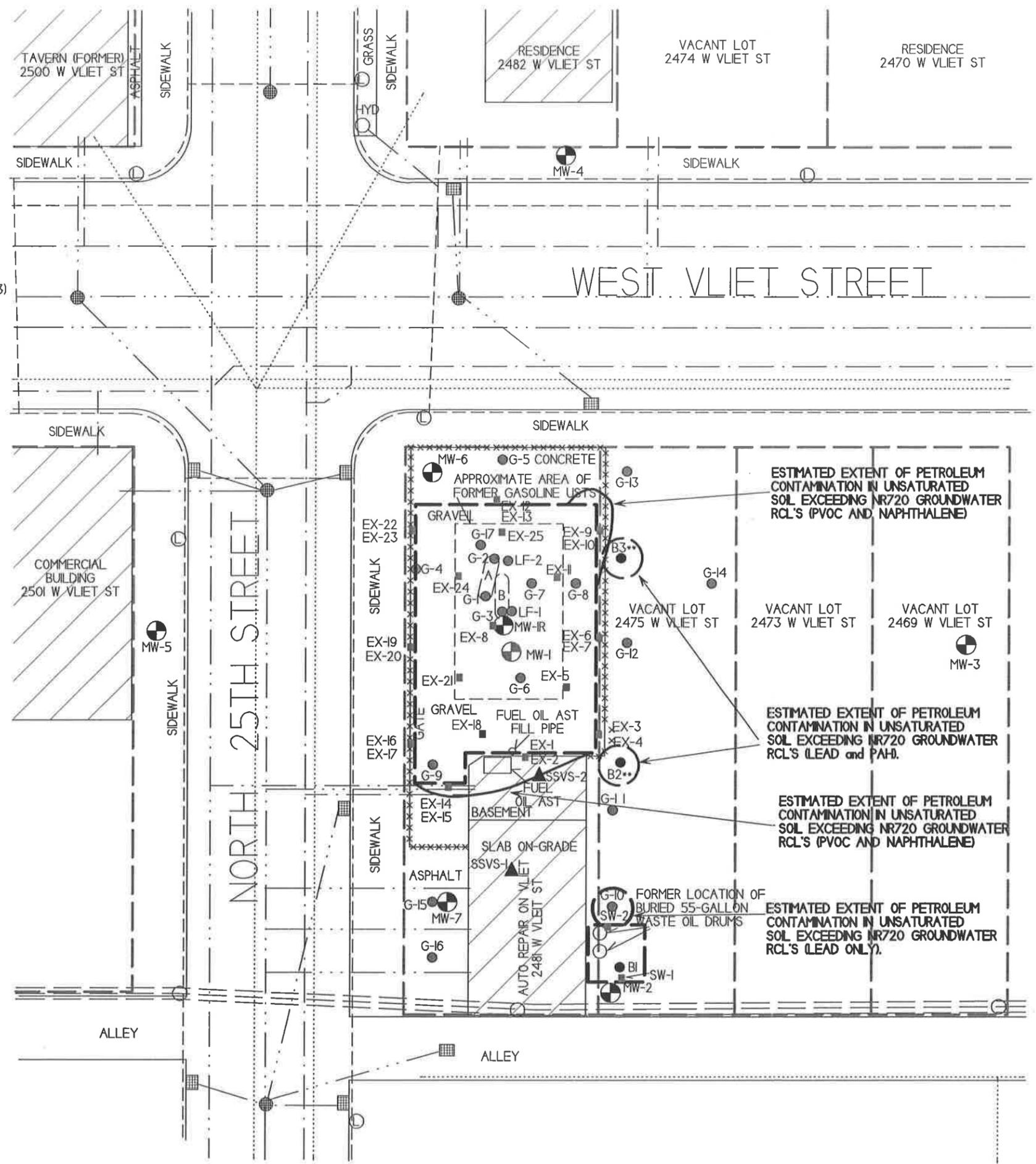
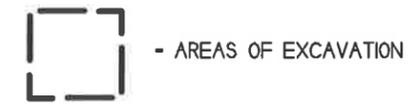
NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER



- A - FORMER PUMP ISLAND (2005, 1985, 1980, 1975, AND 1967 AERIAL PHOTOS)
- B - FORMER PUMP ISLAND (1951 AERIAL PHOTO)

** - DIRECT CONTACT FALL-OUT DUE TO cPAH CALCULATOR (BORING B-2/B-3)

- - UTILITY POLE
- ⊙ - STREET LIGHT
- - SEWER MAN HOLE
- - STORM DRAIN
- - EXCAVATION SAMPLE LOCATION
- - SOIL BORING LOCATION (GILES P2ESA)
- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊕ - MONITORING WELL LOCATION (ABANDONED)
- ▲ - SUB SLAB VAPOR SAMPLE LOCATION
- — — — — - PROPERTY BOUNDARY
- · — · — · — - WATER LINE
- · — · — · — - SEWER LINE
- · — · — · — - NATURAL GAS LINE
- · — · — · — - BURIED ELECTRIC LINE
- ≡ ≡ ≡ ≡ ≡ - OVERHEAD UTILITIES
- - - - - - - - TELEPHONE/CABLE LINE
- ***** - FENCE

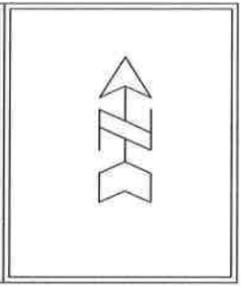


B.2.b. RESIDUAL SOIL CONTAMINATION
AUTO REPAIR ON VLIET

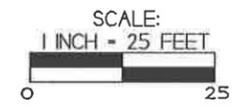
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 DRAWN BY: ED
 DATE: 8/24/16
 UPDATED BY: KF 5/1/20

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Excellence through experience



NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

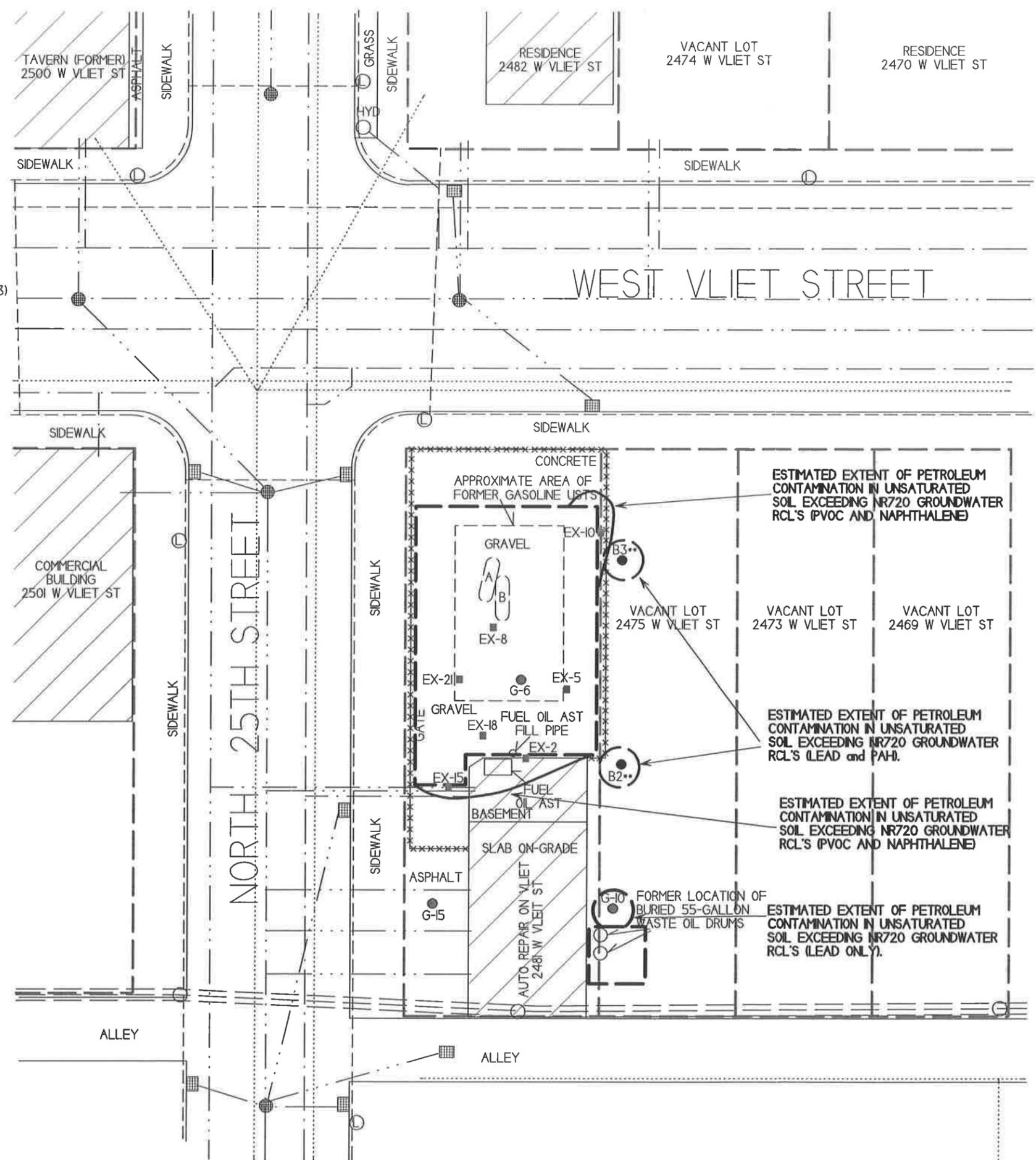


- A - FORMER PUMP ISLAND (2005, 1985, 1980, 1975, AND 1967 AERIAL PHOTOS)
- B - FORMER PUMP ISLAND (1951 AERIAL PHOTO)

** - DIRECT CONTACT FALL-OUT DUE TO cPAH CALCULATOR (BORING B-2/B-3)

- - UTILITY POLE
- ⊙ - STREET LIGHT
- - SEWER MAN HOLE
- - STORM DRAIN
- - EXCAVATION SAMPLE LOCATION
- - SOIL BORING LOCATION (GILES P2ESA)
- - GEOPROBE BORING LOCATION

- - - - - PROPERTY BOUNDARY
- · - · - · - WATER LINE
- · · · · - SEWER LINE
- · · · · · - NATURAL GAS LINE
- - - - - BURIED ELECTRIC LINE
- ≡ ≡ ≡ ≡ ≡ - OVERHEAD UTILITIES
- · - · - · - TELEPHONE/CABLE LINE
- ***** - FENCE



ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN UNSATURATED SOIL EXCEEDING NR720 GROUNDWATER RCL'S (PVOC AND NAPHTHALENE)

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN UNSATURATED SOIL EXCEEDING NR720 GROUNDWATER RCL'S (LEAD and PAH).

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN UNSATURATED SOIL EXCEEDING NR720 GROUNDWATER RCL'S (PVOC AND NAPHTHALENE)

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN UNSATURATED SOIL EXCEEDING NR720 GROUNDWATER RCL'S (LEAD ONLY).

B.3.a.2 GEOLOGIC CROSS SECTION MAP (CLOSE UP)
 AUTO REPAIR ON VLIET



ML WAUKEE, WISCONSIN
 DRAWN BY: MF
 DATE: 5/4/20

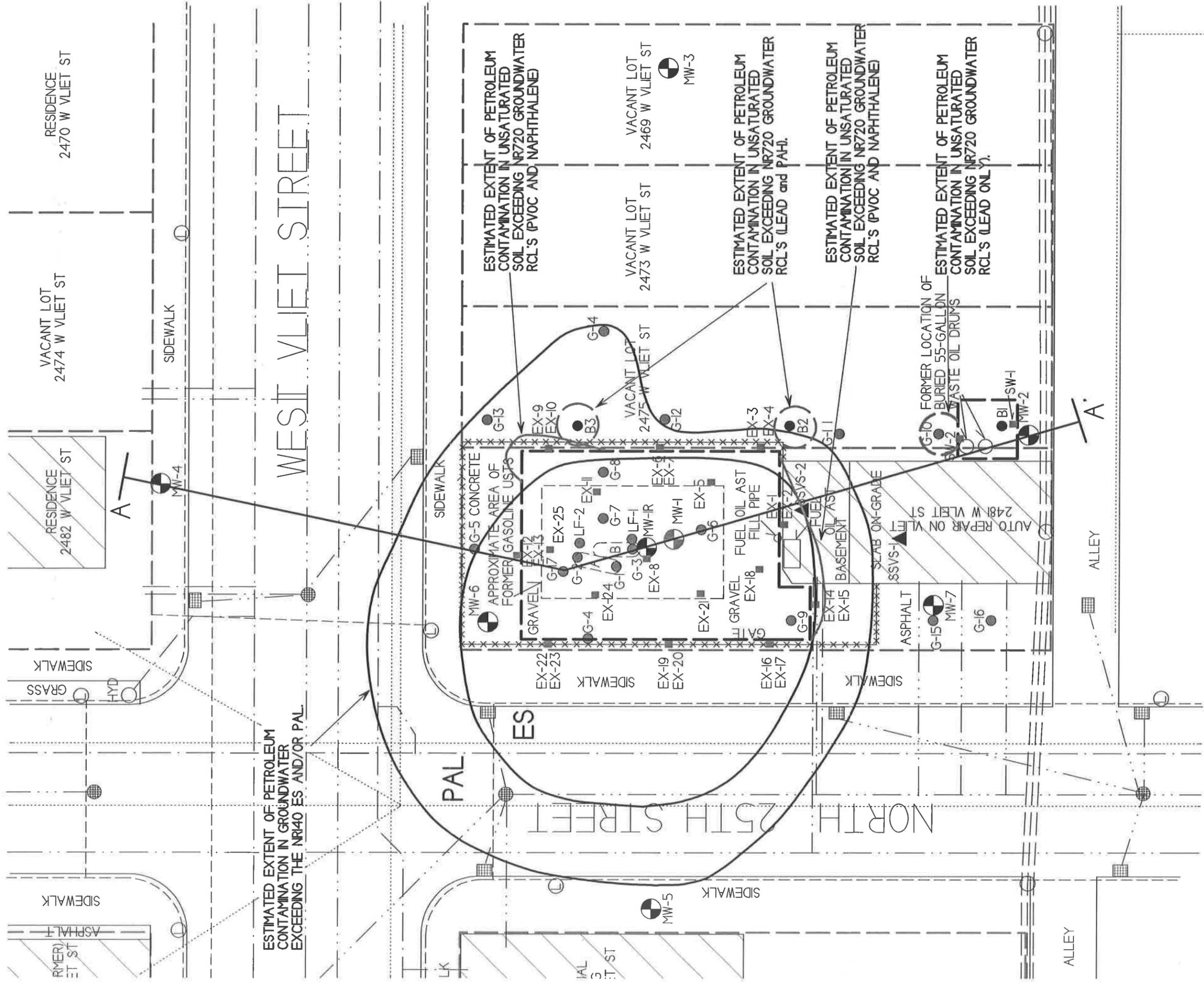
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.

- A - FORMER PUMP ISLAND (2005, 1985, 1980, 1975, AND 1967 AERIAL PHOTOS)
- B - FORMER PUMP ISLAND (1951 AERIAL PHOTO)

SCALE:



- - UTILITY POLE
- ⊙ - STREET LIGHT
- ⊗ - SEWER MAN HOLE
- ⊠ - STORM DRAIN
- - EXCAVATION SAMPLE LOCATION
- - SOIL BORING LOCATION (GILES P2ESA)
- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊖ - MONITORING WELL LOCATION (ABANDONED)
- ▲ - SUB SLAB VAPOR SAMPLE LOCATION
- - PROPERTY BOUNDARY
- - - - WATER LINE
- - - - SEWER LINE
- - - - NATURAL GAS LINE
- - - - BURIED ELECTRIC LINE
- ==== - OVERHEAD UTILITIES
- - - - TELEPHONE/CABLE LINE
- ***** - FENCE
- - AREAS OF EXCAVATION



B.3.a.3 GEOLOGIC CROSS SECTION FIGURE
AUTO REPAIR ON VLIET

MILWAUKEE, WISCONSIN
 DRAWN BY: KF
 DATE: 5/1/20

799 Galleria Street, Suite 3
 La Crosse, WI 54603
 Tel: (608) 781-8879
 Fax: (608) 781-8823

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

A - FORMER PUMP ISLAND (2005, 1985, 1980, 1975, AND 1967 AERIAL PHOTOS)
 B - FORMER PUMP ISLAND (1951 AERIAL PHOTO)

- - MONITORING WELL LOCATION
- - MONITORING WELL LOCATION (ABANDONED)
- - GEOPROBE BORING LOCATION
- ✕ - SOIL SAMPLING LOCATION
- - EXCAVATION SOIL SAMPLING LOCATION
- ▲ - SUB SLAB VAPOR SAMPLING LOCATION
- ▼ - WATERTABLE (BASED ON ALL-TIME LOW WATER TABLE)

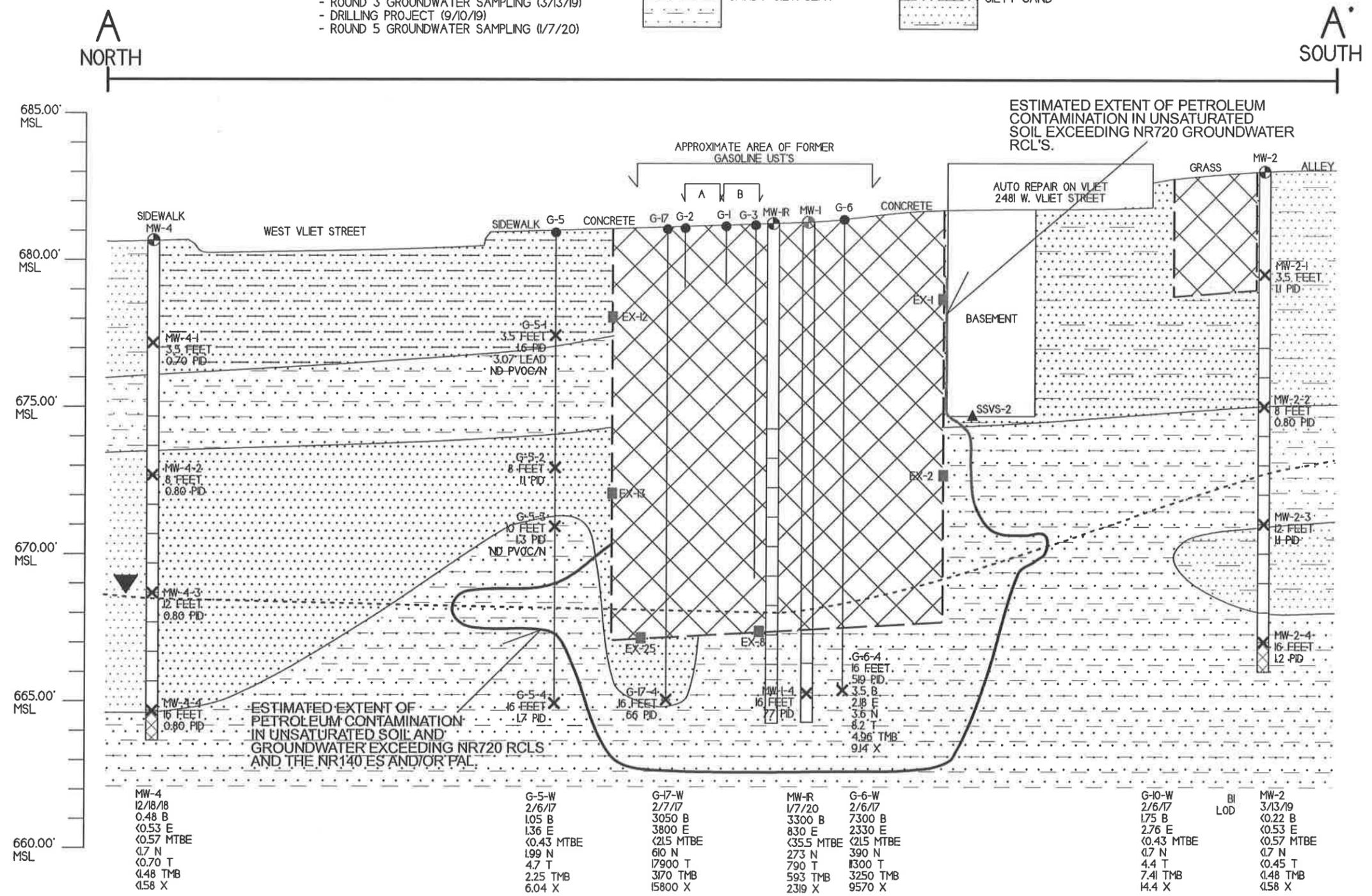
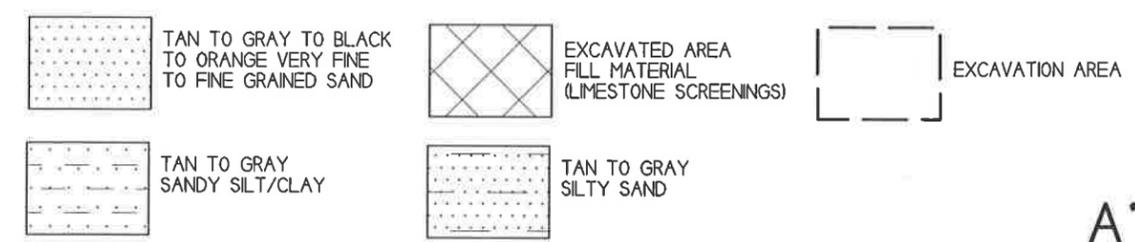
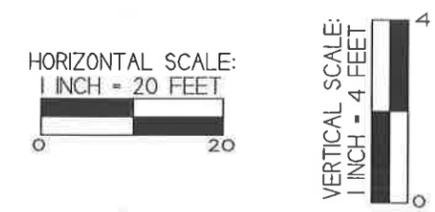
INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

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

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

GROUNDWATER FLOW IS TOWARD THE NORTHWEST.

- ND - NO DETECT
- PID - PHOTO IONIZATION DETECTOR
- DRO - DIESEL RANGE ORGANICS
- B - BENZENE
- E - ETHYLBENZENE
- MTBE - METHYL-TERT-BUTYL-ETHER
- MN - METHYL-NAPHTHALENE
- N - NAPHTHALENE
- T - TOLUENE
- TMB - TRIMETHYLBENZENE
- X - XYLENE

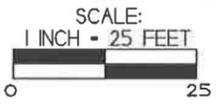


B.3.d. MONITORING WELLS
 AUTO REPAIR ON VLIET

MILWAUKEE, WISCONSIN
 DRAWN BY: ED
 DATE: 8/24/06

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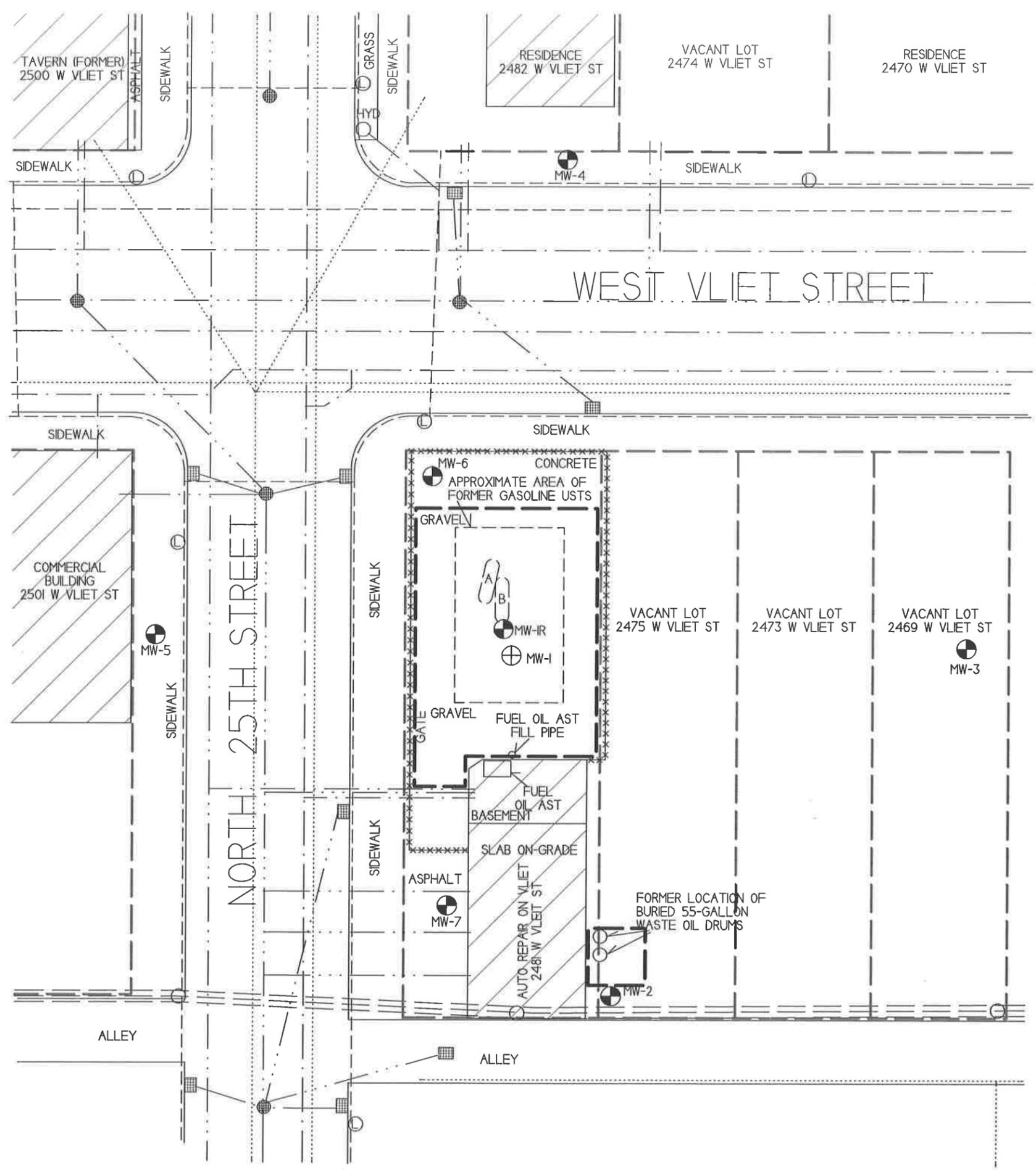
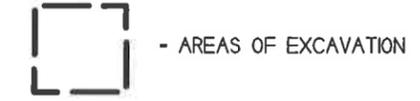


NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

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- B - FORMER PUMP ISLAND (1951 AERIAL PHOTO)

- - UTILITY POLE
- ⊙ - STREET LIGHT
- - SEWER MAN HOLE
- - STORM DRAIN
- ⊕ - MONITORING WELL LOCATION (PROPOSED TO BE ABANDONED)
- ⊗ - MONITORING WELL LOCATION (ABANDONED)

- - - - - PROPERTY BOUNDARY
- - - - - WATER LINE
- - - - - SEWER LINE
- - - - - NATURAL GAS LINE
- - - - - BURIED ELECTRIC LINE
- ≡ ≡ ≡ ≡ ≡ ≡ ≡ ≡ ≡ ≡ OVERHEAD UTILITIES
- - - - - TELEPHONE/CABLE LINE
- ***** FENCE



B.4.a VAPOR INTRUSION MAP

AUTO REPAIR ON VLIET

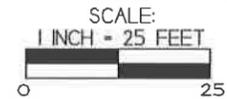


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La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893

MILWAUKEE, WISCONSIN
DRAWN BY: ED
DATE: 6/24/16



NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER



- A - FORMER PUMP ISLAND (2005, 1985, 1980, 1975, AND 1967 AERIAL PHOTOS)
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- ⊙ - STREET LIGHT
- - SEWER MAN HOLE
- - STORM DRAIN
- - EXCAVATION SAMPLE LOCATION
- - SOIL BORING LOCATION (GILES P2ESA)
- - GEOPROBE BORING LOCATION
- ⊙ - MONITORING WELL LOCATION
- ⊙ - MONITORING WELL LOCATION (ABANDONED)
- ▲ - SUB SLAB VAPOR SAMPLE LOCATION

- — — — — - PROPERTY BOUNDARY
- · — · — · — - WATER LINE
- — — — — - SEWER LINE
- · — · — · — - NATURAL GAS LINE
- - - - - - BURIED ELECTRIC LINE
- ≡ ≡ ≡ ≡ ≡ - OVERHEAD UTILITIES
- - - - - - TELEPHONE/CABLE LINE
- ***** - FENCE

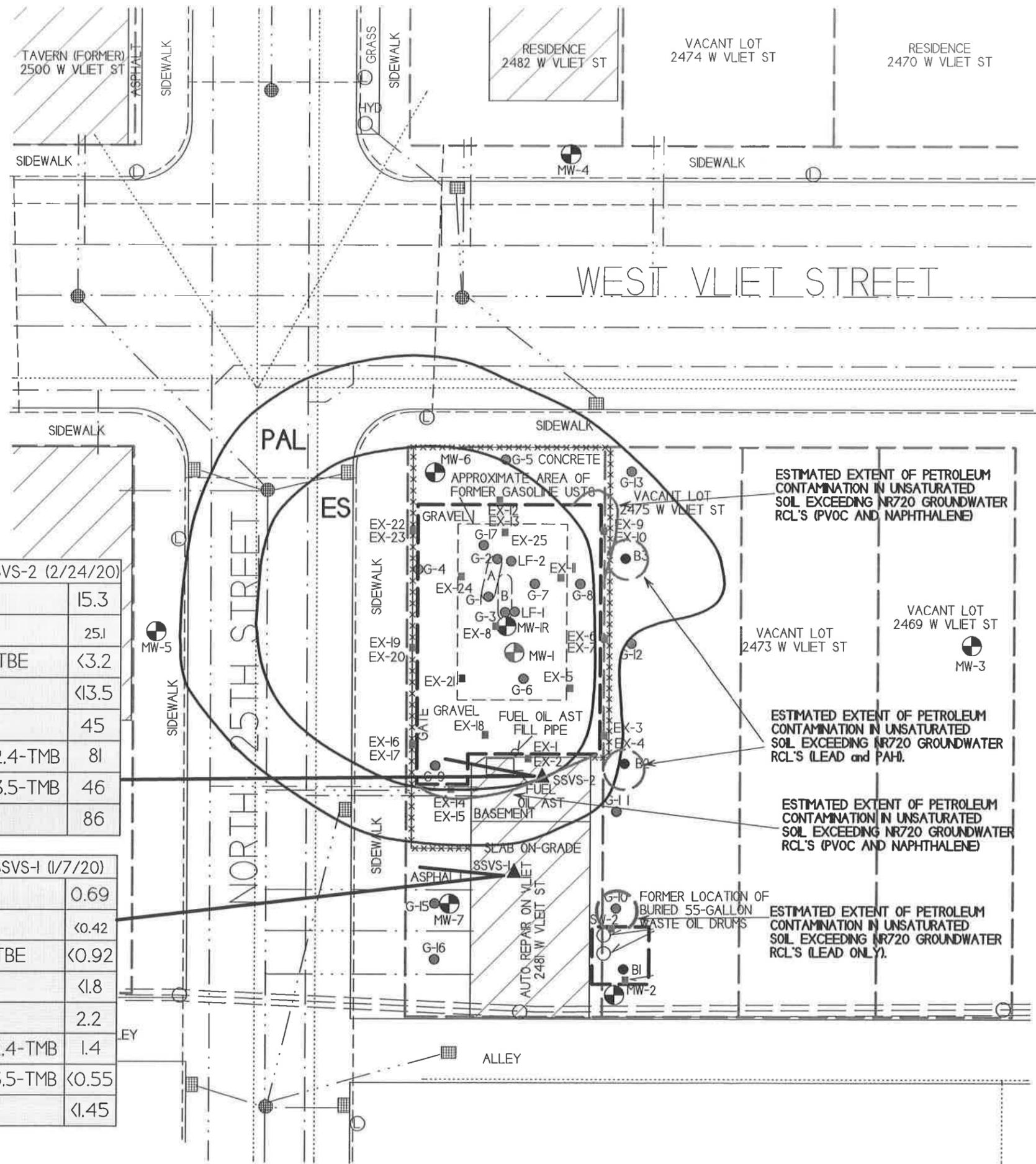


- AREAS OF EXCAVATION

B - BENZENE
E - ETHYLBENZENE
MTBE - METHYL TERT-BUTYL ETHER
N - NAPHTHALENE
T - TOLUENE
1,2,4-TMB - TRIMETHYLBENZENE (1,2,4)
1,3,5-TMB - TRIMETHYLBENZENE (1,3,5)
X - XYLENE
MEASUREMENTS IN Ug/m^3

SSVS-2 (1/7/20)		SSVS-2 (2/24/20)	
B	314	B	15.3
E	2010	E	25.1
MTBE	<244	MTBE	<3.2
N	<483	N	<13.5
T	1010	T	45
1,2,4-TMB	1010	1,2,4-TMB	81
1,3,5-TMB	549	1,3,5-TMB	46
X	310	X	86

SSVS-1 (1/7/20)	
B	0.69
E	<0.42
MTBE	<0.92
N	<1.8
T	2.2
1,2,4-TMB	1.4
1,3,5-TMB	<0.55
X	<1.45



Attachment C/Documentation of Remedial Action

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

- Site Investigation Report – September 26, 2017
- Letter Report – July 29, 2019
- Letter Report – March 17, 2020

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

On March 6, 2020 DKS Transport Services of Menomonie, Wisconsin picked up and properly disposed of one drum of soil cuttings at the Advanced Disposal – Seven Mile Creek Landfill in Eau Claire, Wisconsin. The investigative Waste Disposal Documentation is included in Attachment C.2.

C.2 Investigative waste

C.3 Provide a description of the methodology used along with all supporting documentation if the Residual Contaminant Levels are different than those contained in the Department's RCL Spreadsheet available at: <http://dnr.wi.gov/topic/brownfields.Professionals.html> - Residual Contaminant Levels (RCLs) were established in accordance with NR 720.10 and NR 720.12. Soil RCL for the protection of the groundwater pathway and for non-industrial direct contact were taken from the RR programs RCL spreadsheet.

C.4 Construction documentation – No remedial systems were installed.

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

C.6 Other – Not Applicable

C.2 Investigative Waste

Invoice

DKS CONSTRUCTION SERVICES, INC

2520 WILSON STREET
MENOMONIE, WI 54751

Date	Invoice #
10/10/2018	3587

Bill To

METCO
709 GILLETTE ST
LACROSSE, WI 54603

P.O. No.	Terms	Due Date	Project
Auto Repair on Vliet	Net 30	11/9/2018	

Quantity	Description	Rate	Amount
8	Excavate C Soil (Ton)	3.50	28.00
8	Haul C Soil (Ton)	16.00	128.00
8	Soil Disposal (Ton)	24.00	192.00
8	Fill (Ton)	14.50	116.00
8	Backfill & Compact (Ton)	2.25	18.00
	Jobsite: 2481 W Vliet St. Milwaukee WI - Rear of Building Location		
	Work Done on 10/8/2018	5.50%	0.00
	WI & Dunn Sales Tax		
<i>ERP Site Not Eligible</i>			
Total			\$482.00

Phone # 715-235-2600

Total \$482.00

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

C.2 Investigative Waste.

DKS CONSTRUCTION SERVICES, INC

2520 WILSON STREET
MENOMONIE, WI 54751

Invoice

Date	Invoice #
10/10/2018	3586

Bill To

METCO
% Raisa Beyder
709 GILLETTE ST
LACROSSE, WI 54603

P.O. No.	Terms	Due Date	Project
Auto Repair on Vliet	Net 30	11/9/2018	

Quantity	Description	Rate	Amount
1	Mobilization (ls)	3,000.00	3,000.00
1	Fence Work (ls)	4,200.00	4,200.00
1	Sawcut Concrete (ls)	1,000.00	1,000.00
1	Excavate Concrete (ls)	750.00	750.00
1	Haul Concrete (ls)	1,800.00	1,800.00
1	Concrete Disposal (Recycle) (ls)	750.00	750.00
767.78	Excavate Overburden (Ton)	4.50	3,455.01
1.012.22	Excavate C Soil (Ton)	3.50	3,542.77
1.012.22	Haul C Soil (Ton)	16.00	16,195.52
1.012.22	Soil Disposal (Ton)	24.00	24,293.28
858.22	Fill (Ton)	14.50	12,444.19
154	Gravel (Ton)	17.00	2,618.00
767.78	Backfill & Compact Overburden (Ton)	3.50	2,687.23
1.012.22	Backfill & Compact Import (Ton)	2.25	2,277.50
1	Restoration of Adjacent Lot (ls)	750.00	750.00
	Jobsite: 2481 W Vliet St, Milwaukee WI Work Done on 10/8/2018, 10/9/2018 WI & Dunn Sales Tax	5.50%	0.00

Phone # 715-235-2600

Total \$79,763.50

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

C.2 Investigative Waste

DAY #1

Auto Repair at Vlot

10-848

Profile	Truck	Material	Material Description	Tons
BIO130176WI	52	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	27.31
BIO130176WI	48	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	25.64
BIO130176WI	10	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	26.79
BIO130176WI	98	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	25.85
BIO130176WI	383	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	26.59
BIO130176WI	46	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	28.58
BIO130176WI	221	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	22.55
BIO130176WI	12	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	28.68
BIO130176WI	48	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	26.55
BIO130176WI	10	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	25.47
BIO130176WI	52	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	25.27
BIO130176WI	383	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	22.68
BIO130176WI	46	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	27.39
BIO130176WI	221	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	24.68
BIO130176WI	12	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	27.06
BIO130176WI	48	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	29
BIO130176WI	383	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	25.33
BIO130176WI	52	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	28.77
BIO130176WI	221	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	25.51
BIO130176WI	98	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	24.14
BIO130176WI	46	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	23.89
BIO130176WI	12	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	23.71
BIO130176WI	52	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	25.61
BIO130176WI	48	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	26.04
BIO130176WI	98	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	22.5
BIO130176WI	656	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	24.03
BIO130176WI	221	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	19.06
BIO130176WI	48	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	23.9
BIO130176WI	52	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	24.63
BIO130176WI	98	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	26.8
BIO130176WI	656	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	24.71
BIO130176WI	12	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	22.02
BIO130176WI	46	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	23.62
				834.36
				834.36
		33 loads	DAY #1 total	834.36

C. 2. Investigative Waste

Day #2

Ant. 1/2 on 1/2

109-18

Profile	Truck	Material	Material Description	Tons
BIO130176WI	656	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	23.48
BIO130176WI	221	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	24.42
BIO130176WI	12	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	22.3
BIO130176WI	656	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	23.79
BIO130176WI	26	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	15.23
BIO130176WI	52	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	25.36
BIO130176WI	46	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	26.59
BIO130176WI	48	Spw Biorem RGC-Tons	Unspecified material, bioremediated, daily cover, PMT RGC	24.69
				185.86
				185.86
		83 loads	Day # 2 total	185.86

Day #1 total 834.36

Day #2 total 185.86

total from site 1020.22

- total from rear of Bldg 8.00

Front lot C soil 1012.22 ton

C.2. Investigative Waste.

DKS Transport Services, LLC

N7349 548th Street
Menomonie, WI 54751

715-556-2604

INVOICE

11-8

2018

CUSTOMER

JOB NAME

to METCO Raisa Bryder Auto Repair Vist
2491 W Vist St
Milwaukee WI

CASH CHECK # _____ IN-HOUSE ACCOUNT

QUANTITY		DESCRIPTION	QTY.	UNIT PRICE		AMOUNT	
DATE	SHIPPED						
	1	MOBILIZATION	1	287	70	287	70
	2	Half soil drum to Advanced Disposal - Gen Claire	2	108	15	216	30
Thank You							
Mark Scherz							
						TOTAL	504 -

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

234

SIGNATURE _____

In Waste Disposal
Reviewed 11/2/18
OK

C.2 Investigative Waste

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

Milwaukee - Auto Repair Unit
Milwaukee - Smith
Kewaskaw - Herriges
Menasha - Shalecki

002427
 DKS CONSTRUCTION SERVICES
 DKS/19011BIO@
 2520 WILSON ST
 MENOMONIE, WI 54751

INVOICE
 INBOUND

SITE		CELL	TICKET #	OPERATOR	
G3			835156	42997	
TRUCK		CONTAINER		LICENSE	
MISC1					
REFERENCE				IN	OUT
118426				3/6/20 8:05 am	3/6/20 8:25 am

CONTRACT: DKS/19011BIO@		GROSS	13,860.00LBS	Scale In			
BOL:		TARE	10,180.00LBS	Scale Out			
		NET	3,680.00LBS				
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
1.84	TN	34D@/ C-Soll Pet-Fuel Oil	WI	100.00			

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

Total
 Paid
 Change
 Check#
 Recpt #

SIGNATURE: _____

CUSTOMER COPY

Attachment D/Maintenance Plan(s)

- D.1 Descriptions of maintenance action(s) required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required via cap maintenance plan. – A maintenance plan is not being required at this time.
- D.2 Location map(s) – A maintenance plan is not being required at this time.
- D.3 Photographs – A maintenance plan is not being required at this time.
- D.4 Inspection log – A maintenance plan is not being required at this time.

Attachment E/Monitoring Well Information

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

Attachment F/Source Legal Documents

F.1 Deed

F.2 Certified Survey Map – There is no certified survey map for this property. A plat map has been included.

F.3 Verification of Zoning

F.4 Signed Statement

F.1 Deed

STATE BAR OF WISCONSIN FORM 3 - 1982
QUIT CLAIM DEED

DOC. #
8621253

DOCUMENT NO.

REGISTER'S OFFICE 1 SS
Milwaukee County, WI

RECORDED AT 10:23 AM

09-12-2003

JOHN LA FAVE
REGISTER OF DEEDS

AMOUNT 13.00

REEL 5666

IMAGE 2920

ARKADY BRODSKY

quit-claims to ARON BEYDER

the following described real estate in Milwaukee County,
State of Wisconsin:

See attached legal description.

THIS SPACE RESERVED FOR RECORDING DATA

NAME AND RETURN ADDRESS

STEIN
SAFER & LENSKY LAW FIRM, S.C.
NORTH RIDGE M & I BANK BUILDING
8001 NORTH 76th STREET, SUITE 310
-POST OFFICE BOX 20256-
MILWAUKEE, WISCONSIN 53223-0256

364-9988-0
PARCEL IDENTIFICATION NUMBER

FEE
77.25 (5)
EXEMPT

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

Dated this 20 day of FEBRUARY, 19 97

(SEAL)

Arkady Brodsky (SEAL)
Arkady Brodsky

(SEAL)

(SEAL)

AUTHENTICATION

Signature(s) Arkady Brodsky

authenticated this 20 day of FEBRUARY, 19 97

HARRY LENSKY
TITLE: MEMBER STATE BAR OF WISCONSIN

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

THIS INSTRUMENT WAS DRAFTED BY
Harry Lensky, Attorney

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

ACKNOWLEDGMENT

State of Wisconsin, }
County, } ss.

Personally came before me this _____ day of
_____, 19____, the above named

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

Notary Public, _____ County, Wis.

My commission is permanent. (If not, state expiration date:
_____, 19____.)

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

F.1 Deed

EXHIBIT A

GRANTOR: ARKADY BRODSKY

Case No.: AA-84484-M LR
Legal Description

GRANTEE: ARON BEYDER

REEL 5666
IMAGE 2921

A piece of land in the West 1/2 of the Southwest 1/4 of Section 19, in Township 7 North, Range 22 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, described as follows, to-wit: Commencing at a point in the South line of Vliet Street, now West Vliet Street and 4 feet West of the Northwest corner of Lot 7, in Block 8, in Lynde's Addition No. 2 in the City of Milwaukee, County of Milwaukee, State of Wisconsin, running thence West on the South line of Vliet Street, now West Vliet Street, 40 feet more or less to a point in the East line of 25th Street, now North 25th Street; thence South on the East line of 25th Street, now North 25th Street, 125 feet more or less to a point; thence East and parallel with the South line of Vliet Street, now West Vliet Street, 40 feet more or less to a point, said point being 4 feet West of the Southwest corner of said Lot 7, in Block 8; thence North and parallel with the East line of 25th Street now North 25th Street, 125 feet more or less to the South line of Vliet Street, now West Vliet Street being the point of commencement; Also the West 3 feet of the East 4 feet of the following described real estate; A piece of land in the West 1/2 of the Southwest 1/4 of Section 19, in Township 7 North, Range 22 East, in the City of Milwaukee, County of Milwaukee and State of Wisconsin and described as follows: Commencing at a point in the South line of West Vliet Street said point being the Northwest corner of Lot 7, Block 8, in Lynde's Addition No. 2, running thence West on the South line of West Vliet Street 44 feet more or less to a point in the East line of North 25th Street, thence South on the East line of North 25th Street 125 feet more or less to a point, thence East and parallel with the South line of West Vliet Street, 44 feet more or less to a point, said point being the Southwest corner of Lot 7 in said Block 8, thence North and parallel with the East line of North 25th Street, 125 feet more or less to the South line of West Vliet Street being the point of commencement.

ADDRESS: 2481 W VLIET ST.

FAINT TYPE

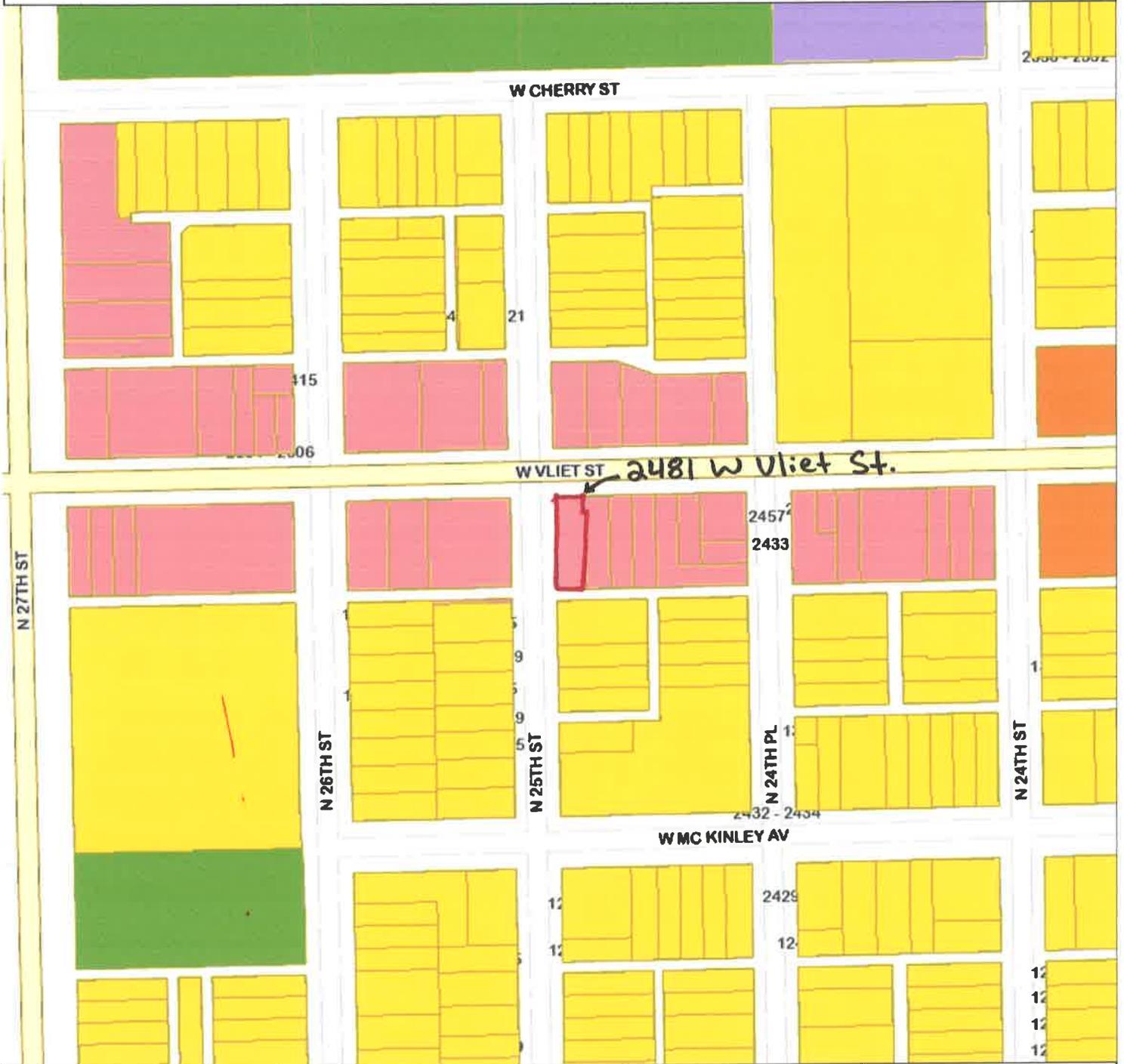
F.3. Verification of Zoning

© City of Milwaukee, Wisconsin
Map Milwaukee: Zoning

[Disclaimer](#)
5/11/2020

Map Scale: 1: 2,257

188.1 0 94.04 188.1 Feet



- Parcels - MPROP_lite Zoning**
- Residential - single family
 - Residential - two family
 - Residential - multi-family
 - Residential - residence and office
 - Commercial - neighborhood shopping
 - Commercial - local business

- Legend -

- service
- Commercial - regional business
- Commercial - central business
- Industrial - commercial
- Industrial - office
- Industrial - light
- Industrial - mixed
- Industrial - heavy
- Special - parks

- Notes -

F.3 Verification of Zoning



Department of Administration - ITMD

F.4. Signed Statement

WDNR BRRTS Case #: 03-41-286924

WDNR Site Name: Auto Repair on Vliet

Geographic Information System (GIS) Registry of Closed Remediation Sites

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

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

Responsible Party:

Ann Stivelberg (POA)
(print name/title)

[Signature] POA 5/11/20
(signature) (date)

Attachment G/Notifications to Owners of Affected Properties

G.A. Notification of Continuing Obligations to the City of Milwaukee for residual groundwater contamination in the right-of-way of N 25th Street.

G.B. Notification of Continuing Obligations to the property owner(s) of an impacted property for residual soil contamination located at 2475 W Vliet Street Parcel #3641418000.

G.B.1. Deed

G.B.2. Certified Survey Map - There is no certified survey map for this property. A plat map has been included.

G.3 Verification of Zoning

G.4 Signed Statement

G.A.

**Notification of Continuing Obligations
and Residual Contamination**

Form 4400-286 (9/15)

C. I. Page

The affected property is:

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

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

Contact Information

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

Responsible Party Name Raisa Beyder c/o Anna Shtivelberg (POA)

Contact Person Last Name Shtivelberg	First Anna	MI	Phone Number (include area code) (414) 763-1495	
Address 242 E. Ravine Bay Rd		City Bayside	State WI	ZIP Code 53217
E-mail <u>rusbvs@hotmail.com</u>				

Name of Party Receiving Notification:

Business Name, if applicable: City of Milwaukee - Department of Public Works

Title Mr.	Last Name Polenske	First Jeffrey	MI	Phone Number (include area code) (414) 286-2489	
Address 841 North Broadway, Room 501		City Milwaukee	State WI	ZIP Code 53202	

Site Name and Source Property Information:

Site (Activity) Name Auto Repair on Vliet

Address 2481 W Vliet Street		City Milwaukee	State WI	ZIP Code 53205
DNR ID # (BRRS#) 03-41-286924		(DATCP) ID #		

Contacts for Questions:

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

Environmental Consultant: METCO

Contact Person Last Name Anderson	First Ron	MI	Phone Number (include area code) (609) 781-8879	
Address 709 Gillette Street Suite 3		City La Crosse	State WI	ZIP Code 54603
E-mail <u>rona@metcohq.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)

Address 2300 North Martin Luther King Drive		City Milwaukee	State WI	ZIP Code 53212
Contact Person Last Name Neumann	First Riley	MI	Phone Number (include area code) (414) 263-8603	
E-mail (Firstname.Lastname@wisconsin.gov) <u>riley.neumann@wisconsin.gov</u>				

G.A.

**Notification of Continuing Obligations
and Residual Contamination**

Form 4400-286 (9/15)

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

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

841 North Broadway, Room 501
Milwaukee, WI, 53202

Dear Mr. Polenske:

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 Milwaukee may become responsible. I investigated a release of:

petroleum

on 2481 W Vliet Street, Milwaukee, WI, 53205 that has shown that contamination

has migrated into the right-of-way for which city of Milwaukee 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: 2300 North Martin Luther King Drive, Milwaukee, WI, 53212, or at riley.neumann@wisconsin.gov.

Residual Contamination:

Groundwater Contamination:

Groundwater contamination originated at the property located at: 2481 W Vliet Street, Milwaukee, WI, 53205.

The levels of

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

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

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

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

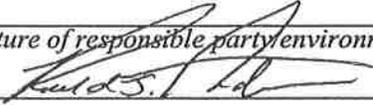
GIS Registry and Well Construction Requirements:

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

DNR approval prior to well construction or reconstruction is required for all sites included in the GIS Registry, in accordance with s. NR 812.09 (4) (w), Wis. Adm. Code. This requirement applies to private drinking water wells and high capacity wells. Special well construction standards may be necessary to protect the well from the remaining contamination. Well drillers need to first obtain approval from a regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at <http://dnr.wi.gov/topic/wells/documents/3300254.pdf>.

G. A.

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

<i>Signature of responsible party/environmental consultant for the responsible party</i> 	Date Signed 5/13/20
---	------------------------

Attachments
Contact Information
Legal Description for each Parcel:

G.A.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none">■ Complete items 1, 2, and 3.■ Print your name and address on the reverse so that we can return the card to you.■ Attach this card to the back of the mailpiece, or on the front if space permits.	<p>A. Signature <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (<i>Printed Name</i>)</p> <p>C. Date of Delivery 5/18/20</p>	
Jeffrey Polenske City of Milwaukee - Dept. of Public Works 841 North Broadway, Room #501 Milwaukee, WI 53202	Delivery address different from item 1? <input type="checkbox"/> Yes ES, enter delivery address below: <input type="checkbox"/> No	
 9590 9403 0958 5223 6275 96	<p>3. Service Type</p> <ul style="list-style-type: none"><input type="checkbox"/> Adult Signature<input type="checkbox"/> Adult Signature Restricted Delivery<input checked="" type="checkbox"/> Certified Mail®<input type="checkbox"/> Certified Mail Restricted Delivery<input type="checkbox"/> Collect on Delivery<input type="checkbox"/> Collect on Delivery Restricted Delivery<input type="checkbox"/> Insured Mail<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500) <ul style="list-style-type: none"><input type="checkbox"/> Priority Mail Express®<input type="checkbox"/> Registered Mail™<input type="checkbox"/> Registered Mail Restricted Delivery<input type="checkbox"/> Return Receipt for Merchandise<input type="checkbox"/> Signature Confirmation™<input type="checkbox"/> Signature Confirmation Restricted Delivery	
Article Number (Transfer from service label) 7013 0600 0000 9414 7022		
PS Form 3811, July 2015 PSN 7530-02-000-9053		Domestic Return Receipt

G.B.

Notification of Continuing Obligations and Residual Contamination

Form 4400-286 (9/15)

C. I. Page

The affected property is:

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

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

Contact Information

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

Responsible Party Name Raisa Beyder c/o Anna Shtivelberg (POA)

Contact Person Last Name Shtivelberg, First Anna, MI, Phone Number (414) 763-1495, Address 242 E. Ravine Bay Rd, City Bayside, State WI, ZIP Code 53217, E-mail rusbvs@hotmail.com

Name of Party Receiving Notification:

Business Name, if applicable: Redevelopment Authority of City of Milwaukee

Title Mr., Last Name Reim, First Matt, MI, Phone Number (414) 286-5693, Address 809 N. Broadway Street, City Milwaukee, State WI, ZIP Code 53202

Site Name and Source Property Information:

Site (Activity) Name Auto Repair on Vliet

Address 2481 W Vliet Street, City Milwaukee, State WI, ZIP Code 53205, DNR ID # (BRRS#) 03-41-286924, (DATCP) ID #

Contacts for Questions:

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

Environmental Consultant: METCO

Contact Person Last Name Anderson, First Ron, MI, Phone Number (609) 781-8879, Address 709 Gillette Street Suite 3, City La Crosse, State WI, ZIP Code 54603, E-mail rona@metcohq.com

Department Contact:

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

Department of: Natural Resources (DNR)

Address 2300 North Martin Luther King Drive, City Milwaukee, State WI, ZIP Code 53212, Contact Person Last Name Neumann, First Riley, MI, Phone Number (414) 263-8603, E-mail (Firstname.Lastname@wisconsin.gov) riley.neumann@wisconsin.gov

G.B.

Section A. Deeded Property Notification: Residual Contamination and/or Continuing Obligations

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

809 N. Broadway Street
Milwaukee, WI, 53202

Dear Mr. Reim:

I am providing this letter to inform you of the location and extent of contamination remaining on your property, and of certain long-term responsibilities (continuing obligations) for which you may become responsible. I have investigated a release of:

petroleum

on 2481 W Vliet Street, Milwaukee, WI, 53205 that has shown that contamination has migrated onto your property. 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 attached legal description of your property and on the proposed closure request:

Please review the enclosed legal description of your property, and notify Ron Anderson at 709 Gillette Street Suite 3, La Crosse, WI, 54603 within the next 30 days if the legal description is incorrect.

The DNR will not review my closure request for at least 30 days after the date of receipt of this letter. As an affected property owner, 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 that is relevant to this closure request, or if you want to waive the 30 day comment period, you should mail that information to the DNR contact: 2300 North Martin Luther King Drive, Milwaukee, WI, 53212, or at riley.neumann@wisconsin.gov.

Your Long-Term Responsibilities as a Property Owner and Occupant:

The responses included

Groundwater monitoring and excavation of 1,020.22 tons of petroleum contaminated soil.

The continuing obligations I am proposing that affect your property are listed below, under the heading **Continuing Obligations**. Under s. 292.12 (5), Wis. Stats., current and future owners and occupants of this property are responsible for complying with continuing obligations imposed as part of an approved closure.

The fact sheet "Continuing Obligations for Environmental Protection" (DNR publication RR 819) has been included with this letter, to help explain the responsibilities you may have for maintenance of a certain continuing obligation, the limits of any liability for investigation and cleanup of contamination, and how these differ. If the fact sheet is lost, you may obtain copies at <http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf>.

Contract for responsibility for continuing obligation:

Before I request closure, I will need to inform the DNR as to whom will be responsible for the continuing obligation/s on your property.

No contract has been worked out between RP and affected property owner.

Under s. 292.12, Wis. Stats., the responsibility for maintaining all necessary continuing obligations for your property will fall on you or any subsequent property owner, unless another person has a legally enforceable responsibility to comply with the requirements of the final closure letter. If you need more time to finalize an agreement on the responsibility for the continuing obligations on your Property, you may request additional time from the DNR contact identified in **Contact Information**.

(Note: Future property owners would need to negotiate a new agreement.)

G. B

Remaining Contamination:

Soil Contamination:

Soil contamination remains at :
2475 W Vliet Street

The remaining contaminants include:

Lead, Benzene, Ethylbenzene, Naphthalene, Toluene, 1,2,4 Trimethylbenzene, 1,3,5 Trimethylbenzene, Xylene, Benzo(a)pyrene, and Chrysene.

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.

Excavation of 1,020.22 tons of petroleum contaminated soil.

Continuing Obligations on Your Property: As part of the cleanup, I am proposing that the following continuing obligations be used at your property, to address future exposure to residual contamination. If my closure request is approved, you will be responsible for the following continuing obligations.

To construct a new well or to reconstruct an existing well, the property owner at the time of construction or reconstruction will need to obtain prior approval from the DNR. See the paragraph **GIS Registry and Well Construction Requirements**. Typically, this results in casing off a portion of the aquifer during drilling, when needed, to protect the water supply.

Residual Soil Contamination:

If soil is excavated from the areas with residual contamination, the property owner 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 ch. NR 718, Wis. Adm. Code, with prior DNR approval. In addition, all current and future property 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 during excavation activities to prevent a 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 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.

Maintenance and Audits of Continuing Obligations:

If compliance with a maintenance plan is required as part of a continuing obligation, an inspection log will need to be filled out periodically, and kept available for inspection by the DNR. Submittal of the inspection log may also be required. You will also need to notify any future owners or occupants of this property of the need to maintain the continuing obligation and to document that maintenance in the inspection log. Periodic audits of these continuing obligations may be conducted by the DNR, to ensure that potential exposure to residual contamination is being addressed. The DNR provides notification before conducting site visits as part of the audit.

GIS Registry and Well Construction Requirements:

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

DNR approval prior to well construction or reconstruction is required for all sites included in the GIS Registry, in accordance with s. NR 812.09 (4) (w), Wis. Adm. Code. This requirement applies to private drinking water wells and high capacity wells. Special well construction standards may be necessary to protect the well from the remaining contamination. Well drillers need to first obtain approval from a regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at <http://dnr.wi.gov/topic/wells/documents/3300254.pdf>.

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Site Closure:

If the DNR grants closure, you will receive a letter which defines the specific continuing obligations on your property. The status of the site (open or closed) may also be checked by searching BRRTS on the Web. You may view or download a copy of the closure letter (sent to the responsible party) from BRRTS on the Web. You may also request a copy of the closure letter from the **responsible party** or by writing to the DNR contact, at Riley Neumann, riley.neumann@wisconsin.gov, (414) 263-8603 . The final closure letter will contain a description of the continuing obligation, any prohibitions on activities and will include any applicable maintenance plan.

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



Signature of responsible party/environmental consultant for the responsible party

Date Signed

5/13/20

Attachments

Contact Information

Legal Description for each Parcel:

Factsheets:

RR 819, Continuing Obligations for Environmental Protection

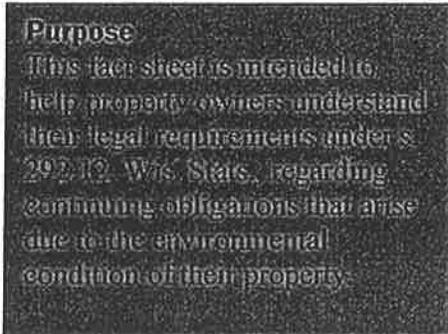
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Remediation and Redevelopment Program

June 2017

**Continuing Obligations for Environmental Protection
Responsibilities of Wisconsin Property Owners
Wis. Stat. § 292.12**



Introduction

The term “continuing obligations” refers to certain actions for which property owners are responsible following a completed environmental cleanup. They are sometimes called environmental land use controls or institutional controls. These legal obligations, such as a requirement to maintain pavement over contaminated soil, are most often found in a cleanup approval letter from the state.

Less commonly, a continuing obligation may apply where a cleanup is not yet completed but a cleanup plan has been approved, or at a property owned by a local government that is exempt from certain cleanup requirements.

What Are Continuing Obligations?

Continuing obligations are legal requirements designed to protect public health and the environment in regard to contamination that remains on a property.

Continuing obligations still apply after a property is sold. Each new owner is responsible for complying with the continuing obligations.

Background

Wisconsin, like most states, allows some contamination to remain after cleanup of soil or groundwater contamination (residual contamination). This minimizes the transportation of contamination and reduces cleanup costs while still ensuring that public health and the environment are protected.

The Department of Natural Resources (DNR), through its Remediation and Redevelopment (RR) Program, places sites or properties with residual contamination on a public database in order to provide notice to interested parties about the residual contamination and any associated continuing obligations. Please see the “Public Information” section on page 3 to learn more about the database. (Prior to June 3, 2006, the state used deed restrictions recorded at county courthouses to establish continuing obligations, and those deed restrictions have also been added into the database.)

Types of Continuing Obligations

1. Manage Contaminated Soil that is Excavated

If the property owner intends to dig up an area with contaminated soil, the owner must ensure that proper soil sampling, followed by appropriate treatment or disposal, takes place. Managing contaminated soil must be done in compliance with state law and is usually done under the guidance of a private environmental professional.

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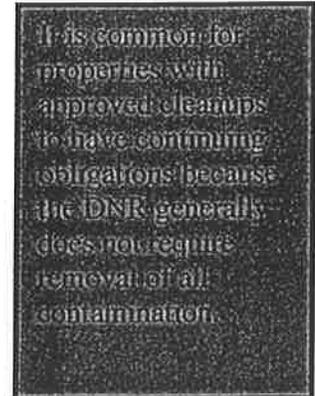
2. Manage Construction of Water Supply Wells

If there is soil or groundwater contamination and the property owner plans to construct or reconstruct a water supply well, the owner must obtain prior DNR approval to ensure that well construction is designed to protect the water supply from contamination.

Other Types of Continuing Obligations

Some continuing obligations are designed specifically for conditions on individual properties. Examples include:

- keeping clean soil and vegetation over contaminated soil;
- keeping an asphalt "cover" over contaminated soil or groundwater;
- maintaining a vapor venting system; and
- notifying the state if a structural impediment (e.g. building) that restricted the cleanup is removed. The owner may then need to conduct additional state-approved environmental work.



Property owners with the types of continuing obligations described above will find these requirements described in the state's cleanup approval letter or cleanup plan approval, and *must*:

- comply with these property-specific requirements; and
- obtain the state's permission before changing portions of the property where these requirements apply.

The requirements apply whether or not the person owned the property at the time that the continuing obligations were placed on the property.

Changing a Continuing Obligation

A property owner has the option to modify a continuing obligation if environmental conditions change. For example, petroleum contamination can degrade over time and property owners may collect new samples showing that residual contamination is gone. They may then request that the DNR modify or remove a continuing obligation. Fees are required for the DNR's review of this request and for processing the change to the database (\$1050 review fee, \$300/\$350 database fee). Fees are subject to change; current fees are found in Wis. Admin. § NR 749 online at http://docs.legis.wisconsin.gov/code/admin_code/nr/700/749.

Public Information

The DNR provides public information about continuing obligations on the Internet. This information helps property owners, purchasers, lessees and lenders understand legal requirements that apply to a property. The DNR has a comprehensive database of contaminated and cleaned up sites, *BRRTS on the Web*. This database shows all contamination activities known to the DNR. Site specific documents are found under the *Documents* section. The information includes maps, deeds, contaminant data and the state's closure letter. The closure letter states that no additional environmental cleanup is needed for past contamination and includes information on property-specific continuing obligations. If a cleanup has not been completed, the state's approval of the remedial action plan will contain the information about

G. B.

continuing obligations.

Properties with continuing obligations can generally be located in the DNR's *RR Sites Map*. RR Sites Map provides a map view of contaminated and cleaned up sites, including sites with continuing obligations, and links to BRRTS on the Web. *BRRTS on the Web* and *RR Sites Map* are part of the Wisconsin Remediation and Redevelopment Database (WRRD) at <http://dnr.wi.gov/topic/Brownfields/wrrd.html>.

If a completed cleanup is shown in *BRRTS on the Web* but the site documents cannot be found in the documents section, the DNR's closure letter can still be obtained from a regional office. For assistance, please contact a DNR Environmental Program Associate (see the RR Program's Staff Contact web page at dnr.wi.gov/topic/Brownfields/Contact.html).

Off-Site Contamination: When Continuing Obligations Cross the Property Line

An off-site property owner is someone who owns property that has been affected by contamination that moved through soil, sediment or groundwater from another property. Wis. Stat. § 292.13 provides an exemption from environmental cleanup requirements for owners of "off-site" properties. The DNR will generally not ask off-site property owners to investigate or clean up contamination that came from a different property, as long as the property owner allows access to his or her property so that others who are responsible for the contamination may complete the cleanup.

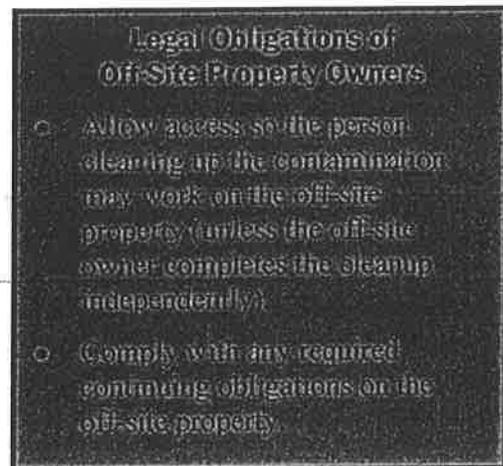
However, off-site property owners are legally obligated to comply with continuing obligations on their property, even though they did not cause the contamination. For example, if the state approved a cleanup where the person responsible for the contamination placed clean soil over contamination on an off-site property, the owner of the off-site property must either keep that soil in place or obtain state approval before disturbing it.

Property owners and others should check the *Public Information* section above if they need to:

- determine whether and where continuing obligations exist on a property;
- review the inspection, maintenance and reporting requirements, and
- contact the DNR regarding changing that portion of the property. The person to contact is the person that approved the closure or remedial action plan.

Option for an Off-Site Liability Exemption Letter

In general, owners of off-site properties have a legal exemption from environmental cleanup requirements. This exemption does not require a state approval letter. Nonetheless, they may request a property-specific liability exemption letter from the DNR if they have enough information to show that the source of the contamination is not on their property. This letter may be helpful in real estate transactions. The fee for this letter is \$700 under Chapter NR 749, Wis. Adm. Code. For more information about this option, please see the RR Program's Liability web page at dnr.wi.gov/topic/Brownfields/Liability.html.



G.B.

Required Notifications to Off-Site Property Owners

1. The person responsible for cleaning up contamination must notify affected property owners of any proposed continuing obligations on their off-site property **before** asking the DNR to approve the cleanup. This is required by law and allows the off-site owners to provide the DNR with any technical information that may be relevant to the cleanup approval.

When circumstances are appropriate, an off-site neighbor and the person responsible for the cleanup may enter into a “legally enforceable agreement” (i.e. a contract). Under this type of private agreement, the person responsible for the contamination may also take responsibility for maintaining a continuing obligation on an off-site property. This agreement would not automatically transfer to future owners of the off-site property. The state is not a party to the agreement and cannot enforce it.

2. If a cleanup proposal that includes off-site continuing obligations is approved, the DNR will send a letter to the off-site owners detailing the continuing obligations that are required for their property. Property owners should inform anyone interested in buying their property about maintaining these continuing obligations. For residential property, this would be part of the real estate disclosure obligation.

More Information

For more information, please visit the RR Program’s Continuing Obligations website at dnr.wi.gov/topic/Brownfields/Residual.html.

This document is intended solely as guidance and does not contain any mandatory requirements except where requirements found in statute or administrative rule are referenced. Any regulatory decisions made by the Department of Natural Resources in any matter addressed by this guidance will be made by applying the governing statutes and administrative rules to the relevant facts.

The Wisconsin Department of Natural Resources provides equal opportunity in its employment, programs, services, and functions under an Affirmative Action Plan. If you have any questions, please write to Chief, Public Civil Rights, Office of Civil Rights, U.S. Department of the Interior, 1849 C. Street, NW, Washington, D.C. 20240.

This publication is available in alternative format (large print, Braille, etc.) upon request. Please call for more information. Note: If you need technical assistance or more information, call the Accessibility Coordinator at 608-267-7490 / TTY Access via relay - 711

G.B.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none">■ Complete items 1, 2, and 3.■ Print your name and address on the reverse so that we can return the card to you.■ Attach this card to the back of the mailpiece, or on the front if space permits.	A. Signature X 	<input type="checkbox"/> Agent <input type="checkbox"/> Addressee
Matt Reim City of Milwaukee Redevelopment Authority 309 N. Broadway Street Milwaukee, WI 53202	B. Received by (Printed Name)	C. Date of Delivery 5/18/20
	delivery address different from item 1? <input type="checkbox"/> Yes (ES, enter delivery address below: <input type="checkbox"/> No	
 9590 9403 0958 5223 6275 34	3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500) <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery	
2 Article Number (Transfer from service label) 7013 0600 0000 9414 7039	PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt	

3.00

GVK:e DOCUMENT No. 774 MAR 1029 APPROVED AS TO FORM AND EX CUT ON THIS DAY OF March 1974

6.B.1 DEED

WARRANTY DEED STATE OF WISCONSIN - FORM 4

THIS SPACE RESERVED FOR RECORDING DATA

AS27371

THIS INDENTURE, Made this 18th day of March, A. D., 1974, between Chester A. Balcerzak and Lillie E. Balcerzak, his wife, parties of the first part, and Redevelopment Authority of the City of Milwaukee, a public body corporate and politic, duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Milwaukee, Wisconsin, party of the second part. Witnesseth, That the said parties of the first part, for and in consideration of the sum of Ten Thousand Seven Hundred Fifty and no/100ths Dollars (\$10,750.00) to them in hand paid by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, have, given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents do assign forever, the following described real estate, situated in the County of Milwaukee, to-wit:

Lot Seven (7), in Block Eight (8), in Lynde's Addition No. 2, in the City of Milwaukee, also the East One (1) foot of the following described real estate: A piece of land in the West One-half (1/2) of the South West One-quarter (1/4) of Section Nineteen (19), in Township Seven (7) North, Range Twenty-two (22) East, in the City of Milwaukee, and described as follows: Commencing at a point in the South line of West Vliet Street, said point being the North West corner of Lot 7, in Block 8, in Lynde's Addition No. 2, running thence West on the South line of North 25th Street, thence South on or less to a point in the east line of North 25th Street, thence South on the East line of North 25th Street 125 feet more or less to a point; thence East and parallel with the South line of West Vliet Street 44 feet (BY NECESSARY CONTINUOUS DESCRIPTION ON REVERSE SIDE) (cont. on rev. side) Together with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining; and all the estate, right, title, interest, claim or demand whatsoever, of the said parties of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises, and their hereditaments and appurtenances.

To Have and to Hold the said premises as above described with the hereditaments and appurtenances, unto the said party of the second part, and to its successors and assigns FOREVER. And the said Chester A. Balcerzak and Lillie E. Balcerzak, his wife for themselves, their heirs, executors and administrators, do covenant, grant, bargain and agree to and with the said party of the second part, its successors and assigns, that at the time of the enseling and delivery of these presents they are well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that the same are free and clear from all incumbrances whatever.

and that the above bargained premises in the quiet and peaceful possession of the said party of the second part, its successors and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, they will forever WARRANT AND DEFEND.

In Witness Whereof, the said parties of the first part have hereunto set their hand and seals this 18th day of March, A. D., 1974.

SIGNED AND SEALED IN PRESENCE OF Gerald V. Kortsch Chester A. Balcerzak (SEAL) Lillie E. Balcerzak (SEAL) Lillie E. Balcerzak (SEAL)

State of Wisconsin, County of Milwaukee, Personally came before me, this 18th day of March, A. D., 1974, the above named Chester A. Balcerzak and Lillie E. Balcerzak, his wife, to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

THIS INSTRUMENT WAS DRAFTED BY: Gerald V. Kortsch Notary Public, Milwaukee County, Wis. My commission expires (is) permanent.

(Section 39.31 (1) of the Wisconsin Statutes provides that all instruments to be recorded shall have plainly printed or typewritten thereon)

REEL 774 MAR 1030

more or less to a point, said point being the South West corner of Lot 7, in said Block 8, thence North and parallel with the East line of North 25th Street, 125 feet more or less to the South line of West Vliet Street, being the point of commencement (Parcel 53-5, 2475-77 W. Vliet St., Tax Key No. 364-1418)

This conveyance is not subject to a real estate transfer fee pursuant to Section 77.25 (12) of the Wisconsin Statutes

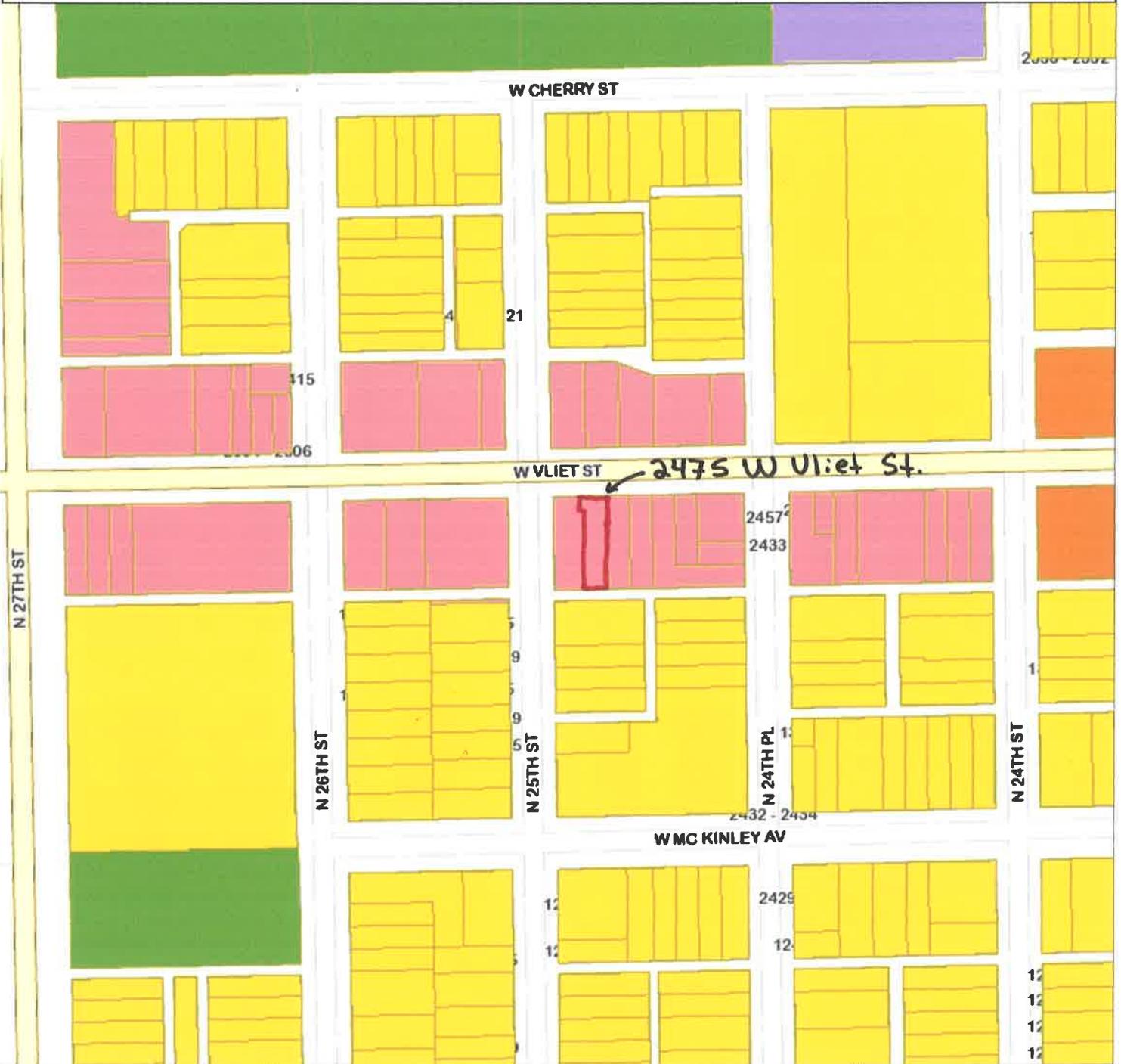
G.3. Verification of Zoning

© City of Milwaukee, Wisconsin
Map Milwaukee: Zoning

Disclaimer
5/11/2020

Map Scale: 1: 2,257

188.1 0 94.04 188.1 Feet



- Legend -

- Parcels - MPROP_lite Zoning
- Residential - single family
- Residential - two family
- Residential - multi-family
- Residential - residence and office
- Commercial - neighborhood shopping
- Commercial - local business

- service
- Commercial - regional business
- Commercial - central business
- Industrial - commercial
- Industrial - office
- Industrial - light
- Industrial - mixed
- Industrial - heavy
- Special - parks

- Notes -

F.3 Verification of Zoning



Department of Administration - ITMD

G.4 Signed Statement

WDNR BRRTS Case #: 03-41-286924

WDNR Site Name: Auto Repair on Vliet

Geographic Information System (GIS) Registry of Closed Remediation Sites

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

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

Responsible Party:

Ann Stivelberg (POA)
(print name/title)

[Signature] POA 5/11/20
(signature) (date)