



July 20, 2020

DENNIS J KOPATZ
C/O CRAIG KOPATZ
N4510 SCHACHT ROAD
MARINETTE WI 54143

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations
Kopatz / Cronic Property, W8317 County Highway P, Town of Beaver, WI
DNR BRRTS Activity #: 03-38-231379
PECFA # 54114-7330-17A

Dear Mr. Kopatz:

The Department of Natural Resources (DNR) considers the Kopatz / Cronic Property contamination case closed, with continuing obligations. This closure applies to Volatile Organic Compounds (VOCs) and lead in soil and groundwater and VOCs in vapor. No further investigation or remediation is required at this time. However, you, future property owners, and occupants of the property must comply with the continuing obligations as explained in the conditions of closure in this letter. Please read over this letter closely to ensure that you comply with all conditions and other on-going requirements. Provide this letter and any attachments listed at the end of this letter to anyone who purchases, rents or leases this property from you. For residential property transactions, you may be required to make disclosures under s. 709.02, Wis. Stats. Certain continuing obligations also apply to an affected Right of Way (ROW) holder. These are identified within each continuing obligation.

This final closure decision is based on the correspondence and data provided, and is issued under chs. NR 726 and 727, Wis. Adm. Code. The DNR Northeast Region (NER) Closure Committee reviewed the request for closure on June 12, 2020. The DNR Closure Committee reviewed this environmental remediation case for compliance with state laws and standards to maintain consistency in the closure of these cases.

This was the site of a former general store and post office which had a 550-gallon leaded gasoline Underground Storage Tank (UST) used for retail fuel sales. The UST was removed in 1999. Soil samples collected beneath the former UST exhibited elevated petroleum compounds which was then reported to the DNR. Soil and groundwater are impacted by Petroleum Volatile Organic Compounds (PVOCs) and lead. In 2017 a vapor investigation was conducted and concluded that vapor beneath the sub slab was impacted by PVOCs. An excavation of nearly 1,200 tons of PVOC impacted soil was completed in 2018. The on-site building posed as a structural impediment to the excavation leaving the highest amount of remaining contamination next to the building. Post excavation sampling confirmed the contaminant trends in groundwater were stable to decreasing, the remaining contamination in soil did not pose a significant risk and vapor no longer exceeded any action levels inside or beneath the on-site building. The conditions of closure and continuing obligations required were based on the property being used for residential purposes.

Continuing Obligations

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

- Groundwater contamination is present at or above ch. NR 140, Wis. Adm. Code enforcement standards.
- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- If a structural impediment that obstructed a complete site investigation and/or cleanup is removed or modified, additional environmental work must be completed.
- Remaining contamination could result in vapor intrusion if future construction activities occur. Future construction includes expansion or partial removal of current buildings as well as construction of new buildings. Vapor control technologies will be required for occupied buildings, unless the property owner assesses the potential for vapor intrusion, and the DNR agrees that vapor control technologies are not needed.

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

DNR Database

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

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

All site information is also on file at the Northeast Regional DNR office, at 2984 Shawano Avenue, Green Bay, WI 54313-6727. This letter and information that was submitted with your closure request application, including any maps, can be found as a Portable Document Format (PDF) in BOTW.

Closure Conditions

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

Send written notifications in accordance with the following requirements to:

Department of Natural Resources
Attn: Remediation and Redevelopment Program Environmental Program Associate
2984 Shawano Avenue
Green Bay, WI 54313-6727

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

Groundwater contamination greater than enforcement standards is present both on this contaminated property and off this contaminated property, as shown on the attached map (Groundwater Isoconcentration, Figure B.3.b, August 29, 2019). If you intend to construct a new well, or reconstruct an existing well, you’ll need prior DNR

approval. The affected ROW holder was notified of the presence of groundwater contamination. This continuing obligation also applies to the ROW holder for County Highway P.

Residual Soil Contamination (ch. NR 718, chs. 500 to 536, Wis. Adm. Code or ch. 289, Wis. Stats.)
Soil contamination remains in the vicinity of EX-14, EX-15, and EX-18 and it extends beneath the on-site building, as indicated on the attached map (Residual Soil Contamination, Figure B.2.b, August 29, 2019). If soil in the specific locations described above is excavated in the future, the property owner or ROW holder at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the property owner or ROW holder at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Contaminated soil may be managed in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval. This continuing obligation also applies to the ROW holder for County Highway P.

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

Structural Impediments (s. 292.12 (2) (b), Wis. Stats., s. NR 726.15, s. NR 727.07, Wis. Adm. Code)
The remaining on-site building as shown on the attached map (Residual Soil Contamination, Figure B.2.b, August 29, 2019), made complete investigation and/or remediation of the soil contamination on this property impracticable. If the structural impediment is to be removed, the property owner shall notify the DNR at least 45 days before removal and conduct an investigation of the degree and extent of petroleum contamination below the structural impediment. If contamination is found at that time, the contamination shall be properly remediated in accordance with applicable statutes and rules.

Vapor Mitigation or Evaluation (s. 292.12 (2), Wis. Stats., s. NR 726.15, s. NR 727.07, Wis. Adm. Code)
Vapor intrusion is the movement of vapors coming from volatile chemicals in the soil or groundwater, into buildings where people may breathe air contaminated by the vapors. Vapor mitigation systems are used to interrupt the pathway, thereby reducing or preventing vapors from moving into the building.

Future Concern: PVOCs remain in soil and groundwater on the source property, as shown on the attached maps (Residual Soil Contamination, Figure B.2.b, August 29, 2019) and (Groundwater Isoconcentration, Figure B.3.b, August 29, 2019), at levels that may be of concern for vapor intrusion in the future, depending on construction and occupancy of a building. Although the on-site building is used as a single-family residence, the building is currently uninhabited. Therefore, before a building is constructed and/or an existing building is modified, the property owner must notify the DNR at least 45 days before the change. Vapor control technologies are required for construction of occupied buildings unless the property owner assesses the vapor pathway and the DNR agrees that vapor control technologies are not needed.

Other Closure Information

General Wastewater Permits for Construction Related Dewatering Activities

The DNR's Water Quality Program regulates point source discharges of contaminated water, including discharges to surface waters, storm sewers, pits, or to the ground surface. This includes discharges from construction related dewatering activities, including utility and building construction.

If you or any other person plan to conduct such activities, you or that person must contact that program, and if necessary, apply for the necessary discharge permit. Additional information regarding discharge permits is

available at dnr.wi.gov and search “wastewater permits”. If residual soil or groundwater contamination is likely to affect water collected in a pit/trench that requires dewatering, a general permit for Discharge of Contaminated Groundwater from Remedial Action Operations may be needed. If water collecting in a pit/trench that requires dewatering is expected to be free of pollutants other than suspended solids and oil and grease, a general permit for Pit/Trench Dewatering may be needed.

In Closing

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

- if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment,
- if the property owner does not comply with the conditions of closure, or
- a property owner fails to maintain or comply with a continuing obligation (imposed under this closure approval letter).

The DNR appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, contact Andy James at (920) 662-5149, or at andrew.james@wisconsin.gov.

Sincerely,

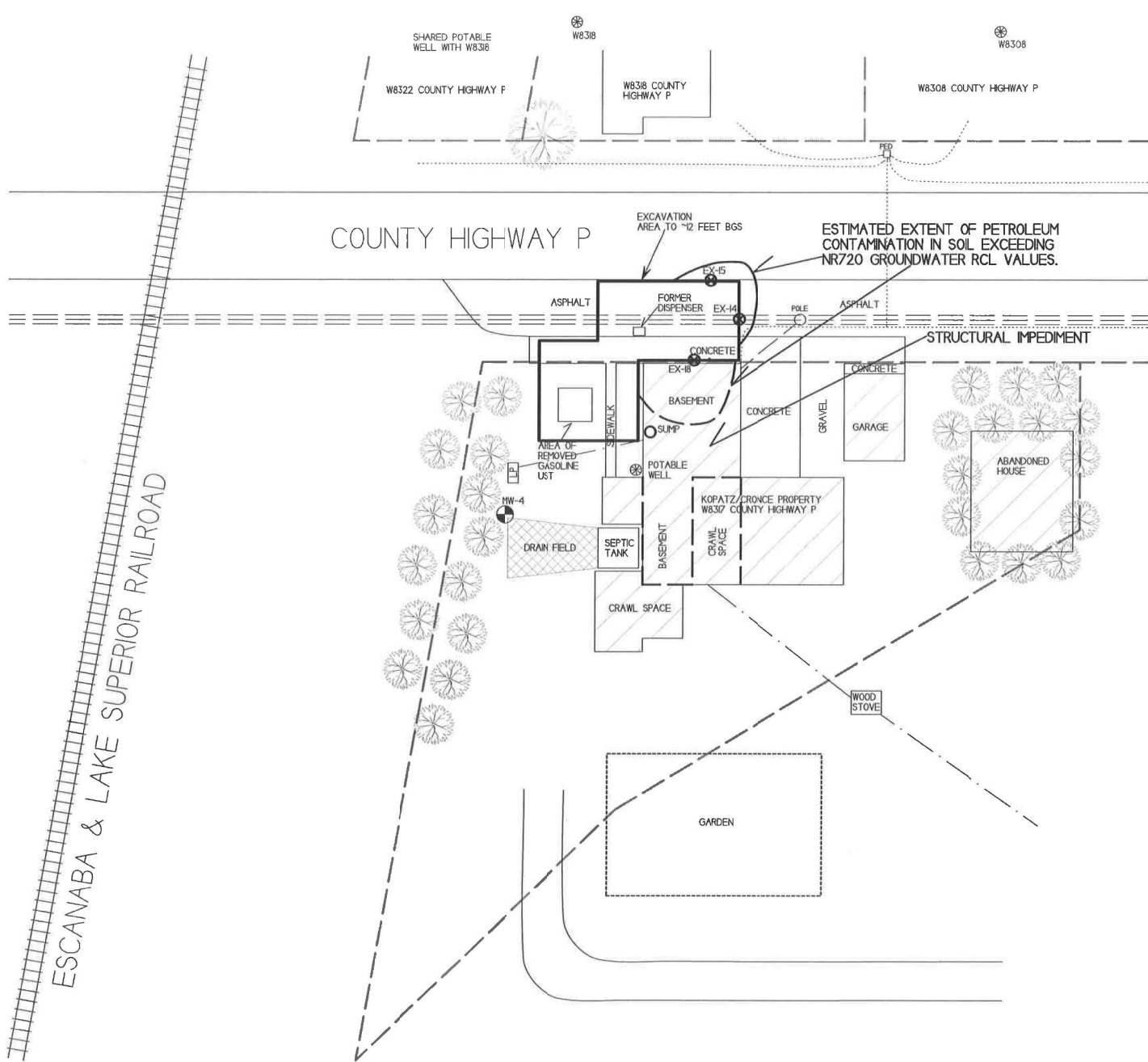


Roxanne N. Chronert
Team Supervisor, Northeast Region
Remediation & Redevelopment Program

Attachments:

- Groundwater Isoconcentration, Figure B.3.b, August 29, 2019
- Residual Soil Contamination, Figure B.2.b, August 29, 2019

cc: Ron Anderson, METCO – rona@metcohq.com



COUNTY HIGHWAY P

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 GROUNDWATER RCL VALUES.

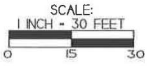
EXCAVATION AREA TO ~12 FEET BGS

FORMER DISPENSER

STRUCTURAL IMPEDIMENT

ESCANABA & LAKE SUPERIOR RAILROAD

W8305 COUNTY HIGHWAY P



<h3>B.2.b RESIDUAL SOIL CONTAMINATION</h3> <h4>KOPATZ/CRONCE PROPERTY</h4>		
<p>701 Gillette Street, Suite 3 La Crosse, WI 54601 Tel: (608) 781-8874 Fax: (608) 781-8853</p>	<p>BEAVER WISCONSIN</p> <p>DRAWN BY: ED 07/01/2002 ISSUED BY: BR 05/20/2008</p>	

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

- ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
- ◆ - INDOOR AIR SAMPLE LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊕ - POTABLE WELL LOCATION
- ⊙ - MONITORING WELL LOCATION
- ⊖ - ABANDONED MONITORING WELL LOCATION
- ⊗ - SOIL EXCAVATION SAMPLE LOCATION
- - AREA OF SOIL EXCAVATION TO ~12 FEET BGS
- — — — — - WATER LINE
- · — · — · — - GAS LINE
- - - - - OVERHEAD ELECTRIC LINE
- · - · - TELEPHONE/CABLE LINE
- - - - - PROPERTY BOUNDARY

W8305



W8302

SHARED POTABLE WELL WITH W8316



W8316

W8322 COUNTY HIGHWAY P

W8316 COUNTY HIGHWAY P

W8308 COUNTY HIGHWAY P



W8308

POLE

ASPHALT

ASPHALT

CONCRETE

CONCRETE

CONCRETE

CONCRETE

BASEMENT

CONCRETE

GRAVEL

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KOPATZ/CRONCE PROPERTY
W8307 COUNTY HIGHWAY P

SEPTIC TANK

CRAWL SPACE

GARDEN

WOOD STOVE

MW-4



POTABLE WELL



AREA OF REMOVED GASOLINE UST



SEWALK



EX-18



EX-14



EX-15



EX-17



EX-16



EX-13



EX-12



EX-11

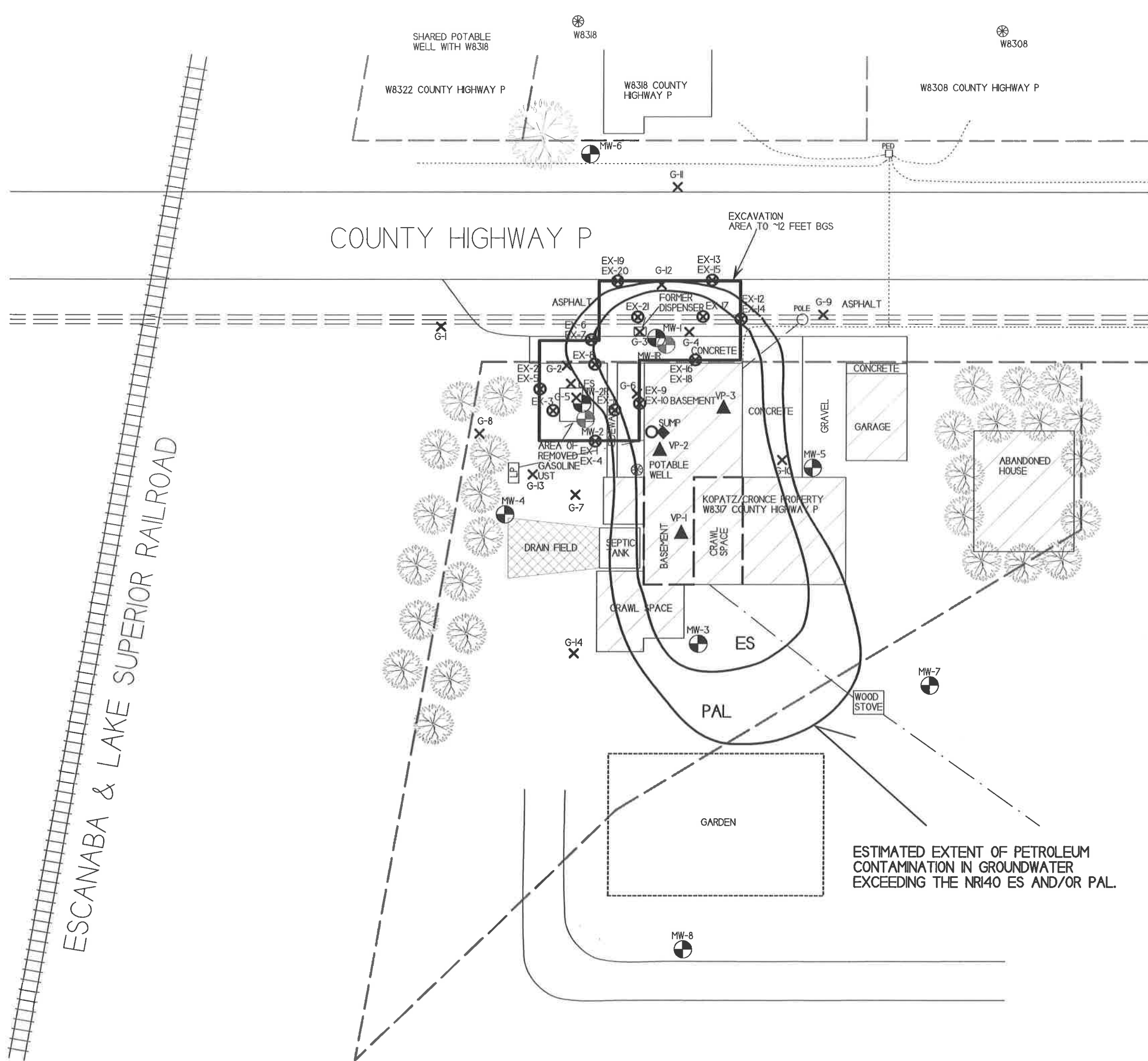


EX-10



EX-9



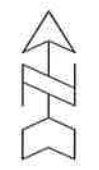
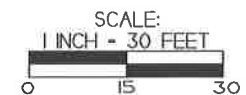


ESCANABA & LAKE SUPERIOR RAILROAD

COUNTY HIGHWAY P

W8305 COUNTY HIGHWAY P

B.3.b GROUNDWATER ISOCONCENTRATION	
KOPATZ/CRONCE PROPERTY	
 <small>709 Gillette Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8503</small>	BEAVER, WISCONSIN <small>DRAWN BY: ED 07/01/2002 UPDATED BY: BH 06/29/2009</small>



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

- ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
- ◆ - INDOOR AIR SAMPLE LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊙ - POTABLE WELL LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊖ - ABANDONED MONITORING WELL LOCATION
- ⊗ - SOIL EXCAVATION SAMPLE LOCATION



- — — — — WATER LINE
- · — · — GAS LINE
- — — — — OVERHEAD ELECTRIC LINE
- - - - - TELEPHONE/CABLE LINE
- - - - - PROPERTY BOUNDARY

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

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.		
03-38-231379			
Parcel ID No.			
006-01559.000			
FID No.	WTM Coordinates		
	X	Y	
	675780	520109	
BRRTS Activity (Site) Name	WTM Coordinates Represent:		
Kopatz/Cronce Property	<input checked="" type="checkbox"/> Source Area <input type="checkbox"/> Parcel Center		
Site Address	City	State	ZIP Code
W8317 County Highway P	Town of Beaver	WI	54114
Acres Ready For Use	0.5		

Responsible Party (RP) Name	Dennis Kopatz c/o Craig Kopatz		
Company Name			

Mailing Address	City	State	ZIP Code
N4510 Schacht Road	Marinette	WI	54143
Phone Number	Email		
(920) 819-6750	kopatz@yahoo.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

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

<input type="checkbox"/> \$1,050 Closure Fee	<input type="checkbox"/> \$300 Database Fee for Soil
<input type="checkbox"/> \$350 Database Fee for Groundwater or Monitoring Wells (Not Abandoned)	Total Amount of Payment \$ _____
	<input checked="" type="checkbox"/> Resubmittal, Fees Previously Paid
- Send one paper copy and one e-copy on compact disk of the entire closure package to the Regional Project Manager assigned to your site. Submit as unbound, separate documents in the order and with the titles prescribed by this form. For electronic document submittal requirements, see <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>.

Site Summary

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

1. General Site Information and Site History

- A. Site Location: Describe the physical location of the site, both generally and specific to its immediate surroundings.
The Kopatz Property site, W8317 County Highway P, is located at the NE 1/4 of the NW 1/4 of Section 28, Township 31 North, Range 20 East, in the Town of Beaver, Marinette County, Wisconsin. The subject property is located south of County Highway P and is bound by Escanaba & Lake Superior Railroad to the west and residential properties to the south and east.
- B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.
The subject property was formerly a general store and post office. A 550-gallon leaded gasoline UST and dispenser existed off the northwest corner of the building and was used for retail gasoline sales. The UST system is thought to have been installed in the 1940's or 1950's and was in use until the 1970's or 1980's.
Currently the property is vacant.
- C. Current zoning (e.g., industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).
According to the Marinette County Land Records System Parcel Detail Sheet, Kopatz Property, located at W8317 County Highway P is zoned as residential. The Escanaba & Lake Superior Railroad to the west is zoned exempt and the properties to the south and east are zoned residential.
- D. Describe how and when site contamination was discovered.
On September 8, 1999, the UST was removed from the subject property. During the UST removal, two soil samples were collected from beneath the removed UST for PID analysis. The soil sample exhibiting the highest PID results (S-1) was submitted for GRO analysis and showed 1,500 ppm GRO. The petroleum contamination was reported to the WDNR, who then required that a site investigation be conducted.
- E. Describe the type(s) and source(s) or suspected source(s) of contamination.
Petroleum contamination appears to have originated from the removed leaded gasoline tank system.
- F. Other relevant site description information (or enter Not Applicable).
Not applicable.
- G. List BRRTS activity/site name and number for BRRTS activities at this source property, including closed cases.
No other BRRTS activities exist at this subject property.
- H. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.
The closed Fendryk Brother Farm Spill (BRRTS# 04-38-578598) is located immediately to the northwest of the subject property at the railroad crossing.

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 the following in downward stratigraphic order:
 - From surface to depths ranging from 10 to 16 feet bgs exists a tan to brown to gray to orange very fine to coarse grained sand to clayey sand with gravel and some cobbles (glacial till). Several areas showed lenses of sandy clay with gravel at depths between 3 and 8 feet bgs.
 - At depths ranging from 10 to 16 feet bgs and extending to at least 20 feet bgs exists a tan to gray sandy clay with some gravel.
 - ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.
Fill material consisting of tan to brown to gray sand and gravel was encountered in several areas on site from surface to depths ranging from 2 to 4 feet bgs. In the area of the removed UST and excavation area, the fill material extends to 12 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 Cambrian Sandstone is expected to exist at approximately 130 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 house is located in the north central portion of the site property. A concrete and gravel driveway/parking area separates the garage, the on-site house, and County Highway P. An abandoned building exists in the eastern portion of the property. To the south and west of the on-site house are grassy areas with few trees.

B. Groundwater

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

According to data collected from the monitoring wells, the depth to groundwater ranges from 0.69 to 10.56 feet bgs depending on well location and time of year.

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

According to the watertable measurements collected during groundwater sampling, local horizontal groundwater flow in the immediate area of the subject property is generally to the east to southeast. Groundwater flow deeper in the aquifer is unknown since only one piezometer was installed during the investigation.

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

The slug test data was evaluated using the curve fitting program "Hydro-Test for Windows" Produced by Dakota Environmental, Inc. Slug test data was evaluated using the Bouwer and Rice method. Hydrogeologic parameters were estimated as follows:

Monitoring Well MW-1

Hydraulic Conductivity (K) = 1.09E-03 cm/sec

Transmissivity = 0.208 cm²/sec

Flow Velocity (V=KI/n) = 55.83285 m/yr

Since the thickness of the unconfined aquifer was unknown, the bottom of monitoring well MW-1 was assumed as the lower extent of the aquifer for calculation purposes.

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

The subject property and surrounding properties are all served by private potable wells. The on-site potable well (W8317) is located approximately 19 feet to the southeast of the removed gasoline UST. Analytical results from the on-site potable well which was sampled four times, and four other nearby potable wells (W8302, W8305, W8308, and W8318 residences) which were all sampled once, showed no laboratory detects for VOC's and/or Dissolved Lead. Distances from the removed gasoline UST system to the four other sampled potable wells are as follows:

W8302 - 260 feet to the northeast

W8305 - 230 feet to the southeast

W8308 - 153 feet to the northeast

W8318 - 100 feet to the north

Other potable wells are known to exist within 1,200 feet of the site, but are over 200 feet to the east, over 400 feet to the northeast, and over 800 feet to the south and west from the release source.

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 September 8, 1999, the UST was removed from the subject property. During the UST removal, two soil samples were collected from beneath the removed UST for PID analysis. The soil sample exhibiting the highest PID results (S-1) was submitted for GRO analysis and showed 1,500 ppm GRO. The petroleum contamination was reported to the WDNR, who then required that a site investigation be conducted.

On April 9-10, 2013, METCO completed fourteen Geoprobe borings. Forty-two soil samples and fourteen groundwater samples were collected for field and/or laboratory analysis. A water sample was also collected from the on-site potable well. (Site Investigation Report - 11/17/2015).

On April 16-17, 2014, METCO completed six soil borings and installed six monitoring wells. Twenty-four soil samples were collected for field and/or laboratory analysis. Upon completion, five of the monitoring wells were properly developed. (Site Investigation Report - 11/17/2015).

On June 18, 2014, METCO collected groundwater samples from three potable wells (W8302, W8308, and W8318 residences) and the six monitoring wells for field and/or laboratory analysis (Round 1). The wells were surveyed to mean sea level (msl) at this time. (Site Investigation Report - 11/17/2015).

On September 18, 2014, METCO collected groundwater samples from the on-site potable well, the potable well from the W8305 residence, and the six monitoring wells for field and/or laboratory analysis (Round 2). METCO also conducted a slug test on monitoring well MW-1. (Site Investigation Report - 11/17/2015).

On May 18, 2015, METCO completed two soil borings and installed two monitoring wells. Six soil samples were collected for field analysis. Upon completion, the monitoring wells were properly developed. A water sample was also collected from the sump well located in the basement of the Kopatz building. A basement inspection/vapor screening was conducted at this time at the Kopatz building. (Site Investigation Report - 11/17/2015).

On May 26, 2015, METCO collected groundwater samples from the on-site potable well and the eight monitoring wells for field and/or laboratory analysis (Round 3). The monitoring wells which were installed on May 18, 2015, were surveyed to mean sea level (msl) at this time. (Site Investigation Report - 11/17/2015).

On August 31, 2015, METCO collected groundwater samples from the on-site potable well and the eight monitoring wells for field and/or laboratory analysis (Round 4). (Site Investigation Report - 11/17/2015).

On July 12, 2016, METCO personnel collected groundwater samples from three monitoring wells (MW-1, -2, and -3) for PVOC and Naphthalene analysis. (Round 5). Monitoring well MW-1 was also analyzed for dissolved lead. Water samples were also collected from the on-site potable well and sump for PVOC and Naphthalene analysis. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. Water level measurements were also collected from five additional monitoring wells (MW-4, -5, -6, -7, and -8). (Letter Report - 1/9/2017).

On July 12, 2016, REI Engineering of Wausau, WI set up a seal over the sump in the Kopatz building basement. The sump was hand made through the concrete floor and adjacent to the basement wall. Due to the poor condition of the concrete floor in the area of the sump and that is was along the basement wall, sealing of the sump was difficult. However, it was sealed as well as possible using plastic sheeting and weighted objects. The seal was allowed to sit for 24 hours to equilibrate. (Letter Report - 1/9/2017).

On July 13, 2016, REI Engineering collected a vapor sample from the sump in the Kopatz building basement. The vapor sample was collected using a Suma canister and was submitted for PVOC and Naphthalene analysis. (Letter Report - 1/9/2017).

On October 10, 2016, METCO personnel collected groundwater samples from eight monitoring wells (MW-1 thru MW-8) for PVOC and Naphthalene analysis. (Round 6). Monitoring well MW-1 was also analyzed for dissolved lead. Water samples were also collected from the on-site potable well and sump for PVOC and Naphthalene analysis. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. (Letter Report - 1/9/2017).

On October 20, 2017, REI Engineering of Wausau, WI installed three sub-slab vapor sampling ports (VP-1, VP-2, VP-3). After the vapor sampling ports were installed, REI Engineers collected vapor samples from the three sampling ports for VOC (TO-15) analysis. (Emailed to Tom Verstege - 11/8/2017)

On March 29, 2018, Geiss Soil and Samples LLC, of Merrill, Wisconsin, completed one soil boring (LFS) with two soil samples collected from the soil boring for laboratory analysis. One soil sample (LFS-1) was collected at 3.5 feet bgs and was submitted for TCLP-Lead analysis. The other soil sample (LFS-2) was collected at 10 feet bgs and was submitted for TCLP-Benzene analysis. (Letter Report - 9/4/2018).

On July 8-10, 2018, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a Soil Excavation Project under the supervision and direction of METCO personnel. During the excavation project, 1,192.36 tons of petroleum-contaminated soil was excavated and hauled to the Mar-Oco Landfill in Crivitz, Wisconsin. The excavation was conducted in the area northwest of the on-site building and included the area of the former (removed) gasoline UST and former dispenser. The excavation area consisted of two connecting rectangles. The northern portion of the excavation area measured 42' long x 24' wide x 12' deep and the southern portion measured 30' long x 30' wide x 12' deep. Twenty-one soil samples were collected from the sidewalls and bottom of the excavation for PVOC and Naphthalene analysis. Eight samples were collected at approximately 3 feet bgs, eight samples were collected at approximately 8 feet bgs from the sidewalls, and five bottom samples were collected at approximately 12 feet bgs. (Letter Report - 9/4/2018).

On August 27, 2018, Geiss Soil and Samples LLC, of Merrill, Wisconsin, conducted a drilling project under supervision and direction of METCO personnel. Two monitoring wells (MW-1R and MW-2R) were blind drilled and installed to 12.5 feet bgs. Upon completion, the monitoring wells were properly developed. (Letter Report - 8/29/2019).

On September 10, 2018, METCO personnel collected groundwater samples from three monitoring wells (MW-1R, -2R, and -3) and the basement sump for PVOC and Naphthalene analysis. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. Water level measurements were also collected from four additional monitoring wells (MW-4, -6, -7, and -8). The on-site private well was not sampled because the pipe from the sump to the private well in the on-site building was broken. (Letter Report - 8/29/2019).

On December 3, 2018, METCO personnel collected groundwater samples from three monitoring wells (MW-1R, -2R, and -3) the on-site water supply well, and the basement sump, for PVOC and Naphthalene analysis. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. Water level measurements were also collected from five additional monitoring wells (MW-4, -5, -6, -7, and -8). (Letter Report - 8/29/2019).

On February 26, 2019, METCO personnel collected groundwater samples from three monitoring wells (MW-1R, -2R, and -3) for PVOC and Naphthalene analysis. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. Water level measurements were also collected from five additional monitoring wells (MW-4, -5, -6, -7, and -8). The private well and the sump were not sampled as the sump was dry and the private well was drained for winter. (Letter Report - 8/29/2019).

On May 20, 2019, METCO personnel collected groundwater samples from eight monitoring wells (MW-1R, -2R, -3, -4, -5, -6, -7, and -8) the on-site water supply well and the basement sump for PVOC and Naphthalene analysis. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled monitoring wells. (Letter Report - 8/29/2019).

On October 4, 2019, REI Engineering of Wausau, WI collected a vapor sample from one sampling port (VP-1) for PVOC and Naphthalene (TO-15) analysis. Sample locations VP-2 and VP-3 could not be sampled as water came up through the ports. An attempt was made again on November 1, 2019 and January 2, 2020 with the same results. (Case Closure Request - March 2020).

On February 6-7, 2020, REI Engineering of Wausau, WI collected two 24-hour indoor air samples for PVOC and Naphthalene (TO-15) analysis. One sample was collected in the basement (AB-1) and one sample was collected on the main floor (AU-1 (was miss labeled by the laboratory as AY-1)). (Case Closure Request - March 2020).

On May 15-16, 2020, REI Engineering of Wausau, WI collected two 24-hour indoor air samples for PVOC and Naphthalene (TO-15) analysis (One sample was collected in the basement (AB-1) and one sample was collected on the main floor (AU-1). Sub slab vapor sampling was also attempted in vapor ports VP-2 and VP-3 as the last several attempts have had water come up through the sampling ports. Vapor port VP-3 was able to be sampled at this time for PVOC and Naphthalene (TO-15) analysis, however vapor port VP-2 was full of water and unable to be sampled. Due to VP-2 not being sampled and that a good seal could not be placed over the sump (due to its construction) to obtain a vapor sample, a sampling port was placed in the north wall of the basement 30 inches above the floor and 30-minute vapor sample collected (N. Wall) for PVOC and Naphthalene analysis. (Attachment C).

- 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.

There is one area of unsaturated soil contamination exceeding the NR720 Groundwater RCL values which exists northeast of the former dispenser island excavation in the right-of-way of County Highway P. This area appears to measure up to 25 feet long, 25 feet wide, and up to 12 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 former gasoline UST system in the northwest portion of the on-site property and has migrated to the right-of-way of County Highway P This plume is approximately 24 feet long and 65 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.

The on-site building can be considered a structural impediment as it interfered with the completion of the site investigation and/or remediation.

B. Soil

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

There are two areas of unsaturated soil contamination exceeding the NR720 Groundwater RCL values on the source property. The first area exists in the area south of the former dispenser island excavation under the on-site building. This area appears to measure up to 29 feet long, 19 feet wide, and up to 3 feet thick (below the basement floor).

The second area of unsaturated soil contamination exceeding the NR720 Groundwater RCL values which exists northeast of the former dispenser island excavation in the right-of-way of County Highway P. This area appears to measure up to 25 feet long, 25 feet wide, and up to 12 feet thick.

The area of soil contamination appears to intersect an underground telephone line. There was no construction documentation found of its construction. However, underground telephone lines are typically buried within 36 inches of the ground surface and backfilled with native soil.

- ii. Describe the concentration(s) and types of soil contaminants found in the upper four feet of the soil column. There were no NR720 RCL soil exceedances within the upper four feet of the soil column.
- iii. Identify the ch. NR 720, Wis. Adm. Code, method used to establish the soil cleanup standards for this site. This includes a soil performance standard established in accordance with s. NR 720.08, a Residual Contaminant Level (RCL) established in accordance with s. NR 720.10 that is protective of groundwater quality, or an RCL established in accordance with s. NR 720.12 that is protective of human health from direct contact with contaminated soil. Identify the land use classification that was used to establish cleanup standards. Provide a copy of the supporting calculations/information in Attachment C.
The method used to establish the soil cleanup standards for this site were the NR720 RCL's. The property is zoned Residential, therefore non-industrial standards were used for this site.

C. Groundwater

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

A dissolved phase contaminant plume exceeding the NR140 ES and/or PAL has formed at the water table in the area of the former gasoline UST system in the northwest portion of the on-site property and has migrated to the south. This plume is approximately 140 feet long and 65 feet wide.

An underground telephone line, water line to an outdoor wood burner, and gas line exists in the area of the groundwater contaminant plume. There was no documentation found for the underground telephone line construction. However, underground telephone lines are typically buried within 36 inches of the ground surface and backfilled with native soil. The water line to the outdoor wood burner and gas lines are privately owned utility and there is no documentation of there construction. However, private utilities are typically backfilled with native soil.

The subject property and surrounding properties are all served by private potable wells. The on-site potable well (W8317) is located approximately 19 feet to the southeast of the removed gasoline UST. Analytical results from the on-site potable well which was sampled four times, and four other nearby potable wells (W8302, W8305, W8308, and W8318 residences) which were all sampled once, showed no laboratory detects for VOC's and/or Dissolved Lead. Distances from the removed gasoline UST system to the four other sampled potable wells are as follows:

W8302 - 260 feet to the northeast
W8305 - 230 feet to the southeast
W8308 - 153 feet to the northeast
W8318 - 100 feet to the north

Other potable wells are known to exist within 1,200 feet of the site, but are over 200 feet to the east, over 400 feet to the northeast, and over 800 feet to the south and west from the release source.

METCO is not currently aware of any other impacts, receptors, risks, or local problems associated with the subject property.

- 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.
No free product was encountered during this investigation.

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.
Regarding vapor intrusion, soil and groundwater contamination appears to extend underneath the on-site building. Three sub-slab vapor sampling ports (VP-1, VP-2, and VP-3) were installed in the building at W8317 County Highway P. VP-1 was installed in the south central portion of the basement, VP-2 was installed in the area south of the sump, and VP-3 was installed in the northeast portion of the basement. The sub-slab vapor sampling ports were sampled for VOC (TO-15) compounds on October 20, 2017 and one (VP-1) on October 4, 2019. Sample locations VP-2 and VP-3 could not be sampled as water came up through the ports. An attempt was made again on November 1, 2019 and January 2, 2020 with the same results.

On May 15-16, 2020, a sub slab vapor sample was collected from vapor port VP-3 for PVOC and Naphthalene (TO-15) analysis, however VP-2 was unable to be sampled due to water coming into the sampling port. Because VP-2 could not be sampled and that a good seal could not be placed over the sump (due to its construction) a vapor port was placed in the north wall of the basement 30 inches above the floor and sampled for PVOC and Naphthalene (TO-15) analysis.

An indoor air sample was collected from the sump area for PVOC and Naphthalene (TO-15) on July 13, 2016. Two sets of two 24-hour indoor air samples (AB-1 and AU-1) were collected and analyzed for PVOC and Naphthalene (TO-15) on February 6-7 and May 15-16, 2020. One sample was collected in the basement (AB-1) and one sample was collected on the main floor (AU-1).

- 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 July 13, 2016 sump indoor air sample and the October 20, 2017 residential sub-slab samples did show exceedances in the vapor action levels and are as follows:

Sump: Benzene (23.5 ug/m3), Ethylbenzene (44.3 ug/m3), Naphthalene (6.1 ug/m3), Trimethylbenzene (1,3,5) (14.9 ug/m3), and Xylene (303.8 ug/m3).

VP-1: Benzene (422 ug/m3).

VP-2: Benzene (910,000 ug/m3), Ethylbenzene (361,000 ug/m3), Toluene (573,000 ug/m3), Trimethylbenzene (1,2,4) (442,000 ug/m3), Trimethylbenzene (1,3,5) (238,000 ug/m3), and Xylene (4,300,000 ug/m3).

VP-3: Benzene (1,050,000 ug/m3), Ethylbenzene (125,000 ug/m3), Trimethylbenzene (1,2,4) (36,500 ug/m3), Trimethylbenzene (1,3,5) (28,100 ug/m3), and Xylene (823,800 ug/m3).

On May 16, 2020, the indoor air sampled collected from the basement did show a VAL exceedance: AB-1: Naphthalene (1.1 ug/m3). However, based on the recent sub-slab sample VP-3 and N. Wall sample not showing any exceedances it is likely that the Naphthalene exceedance is from products stored in the basement.

Both sets of 24-hour indoor air samples (AB-1 and AU-1) collected on February 6-7 and May 15-16, 2020 and the newest sub-slab samples VP-1 (collected on October 4, 2019) and VP-3 along with N. Wall sample (collected on May 15, 2020) showed detects but no exceedances for the WDNR Residential indoor air (with the exception of AB-1 collected on May 16, 2020 which showed 1.1 ug/m3 Naphthalene) and sub-slab vapor action levels for PVOC and Naphthalene.

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 South Branch Beaver Creek, which exists approximately 2,600 feet to the south of the subject property. It does not appear that the extent of petroleum contamination has migrated to any surface waters.

- 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 July 8-10, 2018, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a Soil Excavation Project under the supervision and direction of METCO personnel. During the excavation project, 1,192.36 tons of petroleum-contaminated soil was excavated and hauled to the Mar-Oco Landfill in Crivitz, Wisconsin. The excavation was conducted in the area northwest of the on-site building and included the area of the former (removed) gasoline UST and former dispenser. The excavation area consisted of two connecting rectangles. The northern portion of the excavation area measured 42' long x 24' wide x 12' deep and the southern portion measured 30' long x 30' wide x 12' deep. Twenty-one soil samples were collected from the sidewalls and bottom of the excavation for PVOC and Naphthalene analysis. Eight samples were collected at approximately 3 feet bgs, eight samples were collected at approximately 8 feet bgs from the sidewalls, and five bottom samples were collected at approximately 12 feet bgs. (Letter Report - 9/4/2018).

- 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 July 8-10, 2018, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a Soil Excavation Project under the supervision and direction of METCO personnel. During the excavation project, 1,192.36 tons of petroleum-contaminated soil was excavated and hauled to the Mar-Oco Landfill in Crivitz, Wisconsin. The excavation was conducted in the area northwest of the on-site building and included the area of the former (removed) gasoline UST and former dispenser. The excavation area consisted of two connecting rectangles. The northern portion of the excavation area measured 42' long x 24' wide x 12' deep and the southern portion measured 30' long x 30' wide x 12' deep. Twenty-one soil samples were collected from the sidewalls and bottom of the excavation for PVOC and Naphthalene analysis. Eight samples were collected at approximately 3 feet bgs, eight samples were collected at approximately 8 feet bgs from the sidewalls, and five bottom samples were collected at approximately 12 feet bgs. (Letter Report - 9/4/2018).

- D. Describe the alternatives considered during the Green and Sustainable Remediation evaluation in accordance with NR 722.09 and any practices implemented as a result of the evaluation.
No evaluation of Green and Sustainable Remediation was conducted.

- E. Describe the nature, degree and extent of residual contamination that will remain at the source property or on other affected properties after case closure.

There are two areas of unsaturated soil contamination exceeding the NR720 Groundwater RCL values on the source property. The first area exists in the area south of the former dispenser island excavation under the on-site building. This area appears to measure up to 25 feet long, 9 feet wide, and up to 12 feet thick. The second area exists in the area southwest of the removed gasoline UST in monitoring well MW-4. This area appears to measure up to 17 feet long, 17 feet wide, and up to 12 feet thick.

There is one area of unsaturated soil contamination exceeding the NR720 Groundwater RCL values which exists northeast of the former dispenser island excavation in the right-of-way of County Highway P. This area appears to measure up to 25 feet long, 25 feet wide, and up to 12 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 former gasoline UST system in the northwest portion of the on-site property and has migrated to the south. This plume is approximately 140 feet long and 65 feet wide.

A dissolved phase contaminant plume exceeding the NR140 ES and/or PAL has formed at the water table in the area of the former gasoline UST system in the northwest portion of the on-site property and has migrated to the right-of-way of County Highway P. This plume is approximately 24 feet long and 65 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.

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 groundwater RCL values include:

EX-14 (8 feet): Naphthalene (1.83 ppm) and Trimethylbenzenes (4.9 ppm).

EX-15 (8 feet): Benzene (0.0307 ppm), Naphthalene (1.1 ppm), and Trimethylbenzenes (3.66 ppm).

EX-18 (8 feet): Benzene (4.2 ppm), Ethylbenzene (29.9 ppm), Naphthalene (36 ppm), Trimethylbenzenes (87.6 ppm), and Xylene (154 ppm).

- 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).

Overall contaminant trends in groundwater appear to be at least stable to decreasing since the excavation project and natural attenuation will likely 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).

Following the excavation project and based on the current vapor sampling 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:

MW-1R: Shows NR140 ES exceedances for Benzene (9.5 ppb), Naphthalene (199 ppb), and Trimethylbenzenes (960 ppb) as well as a NR140 PAL exceedance for Xylene (769 ppb).

MW-3: Shows a NR140 ES exceedance for Benzene (37 ppb).

Sump: Shows a NR140 PAL exceedance for Benzene (0.71 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.

The July 13, 2016 sump indoor air sample and the October 20, 2017 residential sub-slab samples did show exceedances in the vapor action levels and are as follows:

Sump: Benzene (23.5 ug/m3), Ethylbenzene (44.3 ug/m3), Naphthalene (6.1 ug/m3), Trimethylbenzene (1,3,5) (14.9 ug/m3), and Xylene (303.8 ug/m3).

VP-1: Benzene (422 ug/m3).

VP-2: Benzene (910,000 ug/m3), Ethylbenzene (361,000 ug/m3), Toluene (573,000 ug/m3), Trimethylbenzene (1,2,4) (442,000 ug/m3), Trimethylbenzene (1,3,5) (238,000 ug/m3), and Xylene (4,300,000 ug/m3).

VP-3: Benzene (1,050,000 ug/m3), Ethylbenzene (125,000 ug/m3), Trimethylbenzene (1,2,4) (36,500 ug/m3), Trimethylbenzene (1,3,5) (28,100 ug/m3), and Xylene (823,800 ug/m3).

On May 16, 2020, the indoor air sampled collected from the basement did show a VAL exceedance:

AB-1: Naphthalene (1.1 ug/m3). However, based on the recent sub-slab sample VP-3 and N. Wall sample not showing any exceedances it is likely that the Naphthalene exceedance is from products stored in the basement.

Both sets of 24-hour indoor air samples (AB-1 and AU-1) collected on February 6-7 and May 15-16, 2020 and the newest sub-slab samples VP-1 (collected on October 4, 2019) and VP-3 along with N. Wall sample (collected on May 15, 2020) showed detects but no exceedances for the WDNR Residential indoor air (with the exception of AB-1 collected on May 16, 2020 which showed 1.1 ug/m3 Naphthalene) and sub-slab vapor action levels for PVOC and Naphthalene.

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

No surface water or sediment samples were collected.

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

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

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

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

6. Underground Storage Tanks

A. Were any tanks, piping or other associated tank system components removed as part of the investigation or remedial action? Yes No

B. Do any upgraded tanks meeting the requirements of ch. ATCP 93, Wis. Adm. Code, exist on the property? Yes No

C. If the answer to question 6.B. is yes, is the leak detection system currently being monitored? Yes No

General Instructions

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

Data Tables (Attachment A)

Directions for Data Tables:

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

A. Data Tables

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

Maps, Figures and Photos (Attachment B)

Directions for Maps, Figures and Photos:

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

B.1. Location Maps

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

B.2. Soil Figures

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

B.3. Groundwater Figures

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

B.4. Vapor Maps and Other Media

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

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

Documentation of Remedial Action (Attachment C)**Directions for Documentation of Remedial Action:**

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

Maintenance Plan(s) and Photographs (Attachment D)**Directions for Maintenance Plans and Photographs:**

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

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

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

Monitoring Well Information (Attachment E)

Directions for Monitoring Well Information:

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

Select One:

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

Source Legal Documents (Attachment F)

Directions for Source Legal Documents:

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

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

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

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

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

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

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

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

Signatures and Findings for Closure Determination

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.

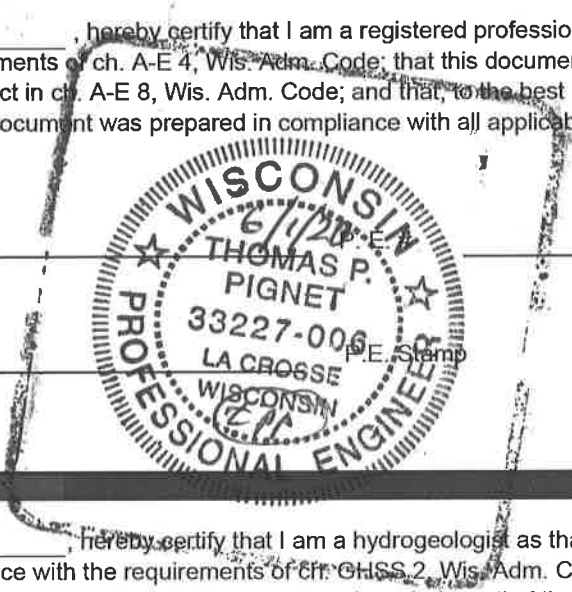
- The investigation and/or response action(s) for this site evaluated and/or addressed groundwater (including natural attenuation remedies). Both a professional engineer and a hydrogeologist must sign this document per Wis. Admin. Code ch. NR 712.
- The investigation and the response action(s) for this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

Engineering Certification

I, Tom 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 (reviewed)

Title Engineer



33227-006

Hydrogeologist Certification

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

Signature Ronald J. Anderson

Title Senior Hydrogeologist/Project Manager

Date 6/11/2020

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 – Hydraulic Conductivity Calculations, Natural Attenuation Parameters

**A.1 Groundwater Analytical Table
(Geoprobe)
Kopatz Property BRRTS# 03-38-231379**

Sample ID	Date	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)	Other VOC's (ppb)
G-1-W	04/09/13	NS	NS	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41	NS
G-2-W	04/09/13	NS	NS	NS	8.5	710	<7.4	242	1190	1500	4360	NS
G-3-W	04/09/13	NS	NS	NS	16.6	134	<3.7	135	460	1370	2020	NS
G-4-W	04/09/13	NS	NS	NS	4000	1080	<37	550	11700	1007	4600	NS
G-5-W	04/09/13	NS	NS	NS	<13.5	1010	<18.5	229	1470	1680	6010	NS
G-6-W	04/09/13	NS	NS	NS	135	1100	<37	330	7100	772	6120	NS
G-7-W	04/09/13	NS	NS	NS	3.2	3.4	<0.37	8.3	6.9	4.46	10.44	NS
G-8-W	04/09/13	NS	NS	NS	<0.27	<0.82	<0.37	<1.2	0.93	<1.69	2.01-2.92	NS
G-9-W	04/09/13	NS	NS	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41	NS
G-10-W	04/09/13	NS	NS	NS	1.14	5.1	<0.37	1.86	16.8	9.56	24.1	NS
G-11-W	04/09/13	NS	NS	NS	0.33	0.91	<0.37	<1.2	3.9	<1.69	4.51	NS
G-12-W	04/09/13	NS	NS	NS	10.7	32	<3.7	24.3	36	93.7	90.1	NS
G-13-W	04/09/13	NS	NS	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41	NS
G-14-W	04/09/13	NS	NS	NS	<0.27	<0.82	<0.37	<1.2	1.01	<1.69	<2.41	NS
SUMP	05/18/15	NS	NS	NS								NS
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 (ppm) = parts per million

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

A.1 Groundwater Analytical Table
Kopatz Property BRRTS# 03-38-231379

Well Sampling Conducted on:	04/09/13	06/18/14	06/18/14	06/18/14	06/18/14	06/18/14	06/18/14	05/26/15	05/26/15	05/26/15	08/31/15
VOC's											
Well Name	W8317 PW	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	W8317 PW	W8317 PW
Lead, dissolved/ppb	NS	5.3	1.5 "J"	< 0.7	< 0.7	1.5 "J"	< 0.7	3.8 "J"	< 0.7	< 0.7	NS
Benzene/ppb	< 0.24	540	< 12	31.4	< 0.24	0.40 "J"	< 0.24	< 0.44	< 0.44	< 0.44	< 0.44
Bromobenzene/ppb	< 0.33	< 6.4	< 16	< 0.32	< 0.32	< 0.32	< 0.32	< 0.48	< 0.48	< 0.48	< 0.48
Bromodichloromethane/ppb	< 0.27	< 7.4	< 18.5	< 0.37	< 0.37	< 0.37	< 0.37	< 0.46	< 0.46	< 0.46	< 0.46
Bromoform/ppb	< 0.34	< 7	< 17.5	< 0.35	< 0.35	< 0.35	< 0.35	< 0.46	< 0.46	< 0.46	< 0.46
tert-Butylbenzene/ppb	< 0.98	< 7.2	< 18	< 0.36	< 0.36	< 0.36	< 0.36	< 1.1	< 1.1	< 1.1	< 1.1
sec-Butylbenzene/ppb	< 0.25	< 6.6	< 16.5	1.74	< 0.33	< 0.33	< 0.33	< 1.2	< 1.2	< 1.2	< 1.2
n-Butylbenzene/ppb	< 0.24	18.2 "J"	< 17.5	9.5	< 0.35	< 0.35	< 0.35	< 1	< 1	< 1	< 1
Carbon Tetrachloride/ppb	< 0.62	< 6.6	< 16.5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.65	< 0.65	< 0.65	< 0.51
Chlorobenzene/ppb	< 0.28	< 4.8	< 12	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.46	< 0.46	< 0.46
Chloroethane/ppb	< 0.81	< 12.6	< 31.5	< 0.63	< 0.63	< 0.63	< 0.63	< 0.65	< 0.65	< 0.65	< 0.65
Chloroform/ppb	< 0.35	< 5.6	< 14	< 0.28	< 0.28	< 0.28	< 0.28	< 0.43	< 0.43	< 0.43	< 0.43
Chloromethane/ppb	< 0.29	< 16.2	< 40.5	< 0.81	< 0.81	< 0.81	< 0.81	< 1.9	< 1.9	< 1.9	< 1.9
2-Chlorotoluene/ppb	< 0.2	< 4.2	< 10.5	< 0.21	< 0.21	< 0.21	< 0.21	< 0.4	< 0.4	< 0.4	< 0.4
4-Chlorotoluene/ppb	< 0.41	< 4.2	< 10.5	< 0.21	< 0.21	< 0.21	< 0.21	< 0.63	< 0.63	< 0.63	< 0.63
1,2-Dibromo-3-chloropropane/ppb	< 0.25	< 17.6	< 44	< 0.88	< 0.88	< 0.88	< 0.88	< 1.4	< 1.4	< 1.4	< 1.4
Dibromochloromethane/ppb	< 0.3	< 4.4	< 11	< 0.22	< 0.22	< 0.22	< 0.22	< 0.45	< 0.45	< 0.45	< 0.45
1,4-Dichlorobenzene/ppb	< 0.28	< 6	< 15	< 0.3	< 0.3	< 0.3	< 0.3	< 0.49	< 0.49	< 0.49	< 0.49
1,3-Dichlorobenzene/ppb	< 0.27	< 5.6	< 14	< 0.28	< 0.28	< 0.28	< 0.28	< 0.52	< 0.52	< 0.52	< 0.52
1,2-Dichlorobenzene/ppb	< 0.41	< 7.2	< 18	< 0.36	< 0.36	< 0.36	< 0.36	< 0.46	< 0.46	< 0.46	< 0.46
Dichlorodifluoromethane/ppb	< 0.3	< 8.8	< 22	< 0.44	< 0.44	< 0.44	< 0.44	< 0.87	< 0.87	< 0.87	< 0.87
1,2-Dichloroethane/ppb	< 0.31	< 8.2	< 20.5	< 0.41	< 0.41	< 0.41	< 0.41	< 0.54	< 0.54	< 0.54	< 0.48
1,1-Dichloroethane/ppb	< 0.32	< 6	< 15	< 0.3	< 0.3	< 0.3	< 0.3	< 1.1	< 1.1	< 1.1	< 1.1
1,1-Dichloroethane/ppb	< 0.25	< 8	< 20	< 0.4	< 0.4	< 0.4	< 0.4	< 0.65	< 0.65	< 0.65	< 0.65
cis-1,2-Dichloroethane/ppb	< 0.32	< 7.6	< 19	< 0.38	< 0.38	< 0.38	< 0.38	< 0.45	< 0.45	< 0.45	< 0.45
trans-1,2-Dichloroethane/ppb	< 0.45	< 7	< 17.5	< 0.35	< 0.35	< 0.35	< 0.35	< 0.54	< 0.54	< 0.54	< 0.54
1,2-Dichloropropane/ppb	< 0.26	< 6.4	< 16	< 0.32	< 0.32	< 0.32	< 0.32	< 0.43	< 0.43	< 0.43	< 0.43
2,2-Dichloropropane/ppb	< 0.22	< 7.2	< 18	< 0.36	< 0.36	< 0.36	< 0.36	< 3.1	< 3.1	< 3.1	< 3.1
1,3-Dichloropropane/ppb	< 0.2	< 6.6	< 16.5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.42	< 0.42	< 0.42	< 0.42
Di-isopropyl ether/ppb	< 0.34	< 4.6	< 11.5	< 0.23	< 0.23	< 0.23	< 0.23	< 0.44	< 0.44	< 0.44	< 0.44
EDB (1,2-Dibromoethane)/ppb	< 0.27	< 8.8	< 22	< 0.44	< 0.44	< 0.44	< 0.44	< 0.63	< 0.63	< 0.63	< 0.63
Ethylbenzene/ppb	< 0.48	350	215	117	< 0.55	< 0.55	< 0.55	< 0.71	< 0.71	< 0.71	< 0.71
Hexachlorobutadiene/ppb	< 0.3	< 30	< 75	< 1.5	< 1.5	< 1.5	< 1.5	< 2.2	< 2.2	< 2.2	< 2.2
Isopropylbenzene/ppb	< 0.3	15.2 "J"	< 15	10.2	< 0.3	< 0.3	< 0.3	< 0.82	< 0.82	< 0.82	< 0.82
p-Isopropyltoluene/ppb	< 0.35	< 6.2	< 15.5	2.33	< 0.31	< 0.31	< 0.31	< 1.1	1.3 "J"	< 1.1	< 1.1
Methylene chloride/ppb	< 0.26	< 10	< 25	< 0.5	< 0.5	< 0.5	< 0.5	< 1.3	< 1.3	< 1.3	< 1.3
Methyl tert-butyl ether (MTBE)/ppb	< 0.49	< 4.6	< 11.5	< 0.23	< 0.23	< 0.23	< 0.23	< 1.1	< 1.1	< 1.1	< 1.1
Naphthalene/ppb	< 0.23	274	< 85	27	2.89 "J"	2.55 "J"	< 1.7	< 1.6	< 1.6	< 1.6	< 1.6
n-Propylbenzene/ppb	< 0.45	40	27 "J"	22.6	< 0.25	< 0.25	< 0.25	< 0.77	< 0.77	< 0.77	< 0.77
1,1,2,2-Tetrachloroethane/ppb	< 0.29	< 9	< 22.5	< 0.45	< 0.45	< 0.45	< 0.45	< 0.52	< 0.52	< 0.52	< 0.52
1,1,1,2-Tetrachloroethane/ppb	< 0.27	< 6.6	< 16.5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.48	< 0.48	< 0.48	< 0.48
Tetrachloroethene (PCE)/ppb	< 0.24	< 6.6	< 16.5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.74	< 0.74	< 0.74	< 0.49
Toluene/ppb	< 0.24	2730	1060	28.8	< 0.69	< 0.69	< 0.69	< 0.44	< 0.44	< 0.44	< 0.44
1,2,4-Trichlorobenzene/ppb	< 0.33	< 19.6	< 49	< 0.98	< 0.98	< 0.98	< 0.98	< 1.7	< 1.7	< 1.7	< 1.7
1,2,3-Trichlorobenzene/ppb	< 0.34	< 36	< 90	< 1.8	< 1.8	< 1.8	< 1.8	< 2.7	< 2.7	< 2.7	< 2.7
1,1,1-Trichloroethane/ppb	< 0.3	< 6.6	< 16.5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.84	< 0.84	< 0.84	< 0.84
1,1,2-Trichloroethane/ppb	< 0.26	< 6.8	< 17	< 0.34	< 0.34	< 0.34	< 0.34	< 0.48	< 0.48	< 0.48	< 0.48
Trichloroethene (TCE)/ppb	< 0.91	< 6.6	< 16.5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.47	< 0.47	< 0.47	< 0.47
Trichlorofluoromethane/ppb	< 0.41	< 14.2	< 35.5	< 0.71	< 0.71	< 0.71	< 0.71	< 0.87	< 0.87	< 0.87	< 0.87
1,2,4-Trimethylbenzene/ppb	< 0.31	430	283 "J"	38	< 2.2	< 2.2	< 2.2	< 1.6	< 1.6	< 1.6	< 1.6
1,3,5-Trimethylbenzene/ppb	< 0.26	114	79 "J"	88	< 1.4	< 1.4	< 1.4	< 1.5	< 1.5	< 1.5	< 1.5
Vinyl Chloride/ppb	< 0.18	< 3.6	< 9	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17
m&p-Xylene/ppb	< 0.69	1650	930	156	< 0.69	< 0.69	< 0.69	< 2.2	< 2.2	< 2.2	< 2.2
o-Xylene/ppb	< 0.25	830	300	8.1	< 0.63	< 0.63	< 0.63	< 0.9	< 0.9	< 0.9	< 0.9

ENFORCEMENT STANDARD = ES - Bold	PREVENTIVE ACTION LIMIT = PAL - Italics
15	<i>1.5</i>
5	<i>0.5</i>
---	---
6	<i>0.6</i>
1000	<i>200</i>
5	<i>0.5</i>
850	<i>85</i>
7	<i>0.7</i>
70	<i>7</i>
---	---
0.05	<i>0.005</i>
700	<i>140</i>
---	---
60	<i>12</i>
100	<i>10</i>
5	<i>0.5</i>
800	<i>160</i>
---	---
5	<i>0.5</i>
---	---
Total TMB's 460	<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

A.1 Groundwater Analytical Table
Kopatz Property BRRTS# 03-38-231379

Well Sampling Conducted on: 06/18/14 06/18/14 06/18/14 09/18/14 09/18/14

VOC's

Well Name	W8302 PW	W8308 PW	W8318 PW	W8305 PW	W8317 PW	ENFORCE MENT	PREVENTIVE ACTION
						STANDARD = ES – Bold	LIMIT = PAL - Italics
Lead, dissolved/ppb	1.0 "J"	0.9 "J"	< 0.7	NS	NS	15	<i>1.5</i>
Benzene/ppb	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	5	<i>0.5</i>
Bromobenzene/ppb	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	==	==
Bromodichloromethane/ppb	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	==	==
Bromoform/ppb	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	==	==
Bromomethane/ppb	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	==	==
Carbon Tetrachloride/ppb	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	==	==
Chlorobenzene/ppb	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	==	==
Chloroethane/ppb	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	==	==
Chloroform/ppb	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	==	==
Chloromethane/ppb	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	==	==
2-Chlorotoluene/ppb	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	==	==
4-Chlorotoluene/ppb	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	==	==
Dibromochloromethane/ppb	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	==	==
Dibromomethane/ppb	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	==	==
1,4-Dichlorobenzene/ppb	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	==	==
1,3-Dichlorobenzene/ppb	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	==	==
1,2-Dichlorobenzene/ppb	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	==	==
Dichlorodifluoromethane/ppb	< 0.27	0.59 "J"	< 0.27	< 0.27	< 0.27	==	==
1,2-Dichloroethane/ppb	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	5	<i>0.5</i>
1,1-Dichloroethane/ppb	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	==	==
1,1-Dichloroethene/ppb	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	==	==
cis-1,2-Dichloroethene/ppb	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	==	==
trans-1,2-Dichloroethene/ppb	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	==	==
1,2-Dichloropropane/ppb	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	==	==
2,2-Dichloropropane/ppb	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	==	==
1,3-Dichloropropane/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	==	==
trans-1,3-Dichloropropene/ppb	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	==	==
cis-1,3-Dichloropropene/ppb	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	==	==
1,1-Dichloropropene/ppb	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	==	==
Ethylbenzene/ppb	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	700	<i>140</i>
Hexachlorobutadiene/ppb	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	==	==
Isopropylbenzene/ppb	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	==	==
p-Isopropyltoluene/ppb	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	==	==
Methylene chloride/ppb	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	==	==
Methyl tert-butyl ether (MTBE)/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	60	<i>12</i>
Naphthalene/ppb	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	100	<i>10</i>
Styrene/ppb	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	==	==
1,1,1,2-Tetrachloroethane/ppb	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	==	==
1,1,1,2-Tetrachloroethane/ppb	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	==	==
Tetrachloroethene(PCE)/ppb	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	5	<i>0.5</i>
Toluene/ppb	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	800	<i>160</i>
1,2,4-Trichlorobenzene/ppb	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	==	==
1,1,1-Trichloroethane/ppb	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	==	==
1,1,1,2-Trichloroethane/ppb	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	==	==
Trichloroethene (TCE)/ppb	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	5	<i>0.5</i>
Trichlorofluoromethane/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	==	==
1,2,3-Trichloropropane/ppb	< 0.91	< 0.91	< 0.91	< 0.91	< 0.91	==	==
Trichlorotrifluoroethane/ppb	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	==	==
1,2,4-Trimethylbenzene/ppb	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	Total TMB's 480	<i>Total TMB's 96</i>
1,3,5-Trimethylbenzene/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	==	==
Vinyl Chloride/ppb	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	==	==
m&p-Xylene/ppb	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	Total Xylenes 2000	<i>Total Xylenes 400</i>
o-Xylene/ppb	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	==	==

Note: Bold type indicates an ES exceedance, *italics* indicates a PAL exceedance. NS = not sampled, NM = Not Measured
Q = Analyte detected above laboratory method detection limit but below practical quantitation limit.
== No Exceedences

A.1 Groundwater Analytical Table
Kopatz Property BRRTS# 03-38-231379

Well MW-1/1R Re-surveyed 8-27-18 MW-1R 669.75
 PVC Elevation = 669.54 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/18/14	664.68	4.86	5.3	540	350	<4.6	274	2730	544	2480
09/18/14	663.82	5.72	NS	750	370	<7.4	143	2490	477	2310
05/26/15	664.04	5.50	13.5	370	320	<9.8	200	2590	1048	4490
08/31/15	661.35	8.19	10.2	1660	590	<24.5	278	3800	1270	4730
07/12/16	663.92	5.62	5.2	330	158	<24.5	<130	360	328	1040
10/10/16	662.62	6.92	5.5	1810	460	<24.5	196	3200	767	2910
07/08/18	WELL ABANDONED AND REMOVED DURING EXCAVATION PROJECT									
08/27/18	MW-1 REPLACED WITH MW-1R									
09/10/18	663.20	6.55	NS	3.8	24.8	<5.7	52	21.9	333	171
12/03/18	663.90	5.85	NS	<0.22	0.52	<0.28	4.1	0.21	17.6	5.66
02/26/19	662.25	7.50	NS	0.80	2.59	<0.57	26.6	1.58	112	55
05/20/19	665.76	3.99	NS	9.5	133	<5.7	199	120	960	769
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	140	12	10	160	96	400

(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-2/2R Re-surveyed 8-27-18 MW-2R 668.69
 PVC Elevation = 668.20 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/18/14	664.36	3.84	1.5	<12	215	<11.5	<85	1060	362	1230
09/18/14	664.43	3.77	NS	98	2480	<3.7	680	5100	2710	6710
05/26/15	663.82	4.38	0.8	3.7	61	<0.49	14.4	4.1	81	108.5
08/31/15	661.62	6.58	NS	2.8	88	<0.49	14.8	8.5	72.9	152.3
07/12/16	663.63	4.57	NS	8.9	237	<0.49	44	71	182	529.7
10/10/16	662.95	5.25	NS	18	330	<9.8	76	440	342	745
07/08/18	WELL ABANDONED AND REMOVED DURING EXCAVATION PROJECT									
08/27/18	MW-2 REPLACED WITH MW-2R									
09/10/18	663.27	5.42	NS	0.314	1.13	<0.57	2.08	3.3	18.5	26.4
12/03/18	663.98	4.71	NS	<0.22	1.85	<0.28	<2.1	0.75	1.06-1.86	0.95
02/26/19	662.58	6.11	NS	<0.22	1.96	<0.57	<1.7	<0.45	<1.48	<1.58
05/20/19	665.69	3.00	NS	<0.22	3.09	<0.57	<1.7	<0.45	6.05	1.62-2.20
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	140	12	10	160	96	400

(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
Kopatz Property BRRTS# 03-38-231379

Well MW-3

PVC Elevation = 666.72 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/18/14	663.15	3.57	<0.7	31.4	117	<0.23	27	26.8	122	164.1
09/18/14	663.24	3.48	NS	18.9	214	<0.37	66	33	165	152.5
05/26/15	662.91	3.81	NS	146	287	<0.49	59	98	111.8	137.7
08/31/15	660.41	6.31	NS	174	231	<0.49	23.9	88	80.4	88.5
07/12/16	662.27	4.45	NS	59	164	<0.49	22.9	34	73	110.3
10/10/16	661.91	4.81	NS	87	203	<4.9	<26	37	64	114.7
09/10/18	662.10	4.62	NS	18	30.2	<0.57	1.72	6.9	3.6-4.35	18.4
12/03/18	663.94	2.78	NS	13.4	38	<0.28	2.6	9.9	12.71	34.8
02/26/19	661.41	5.31	NS	5.0	63	<0.57	8.0	15.2	23.7	79.7
05/20/19	665.47	1.25	NS	37	76	<0.57	2.91	24.1	9.4-10.15	43.3
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-4

PVC Elevation = 667.08 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/18/14	664.07	3.01	<0.7	<0.24	<0.55	<0.23	2.89	<0.69	<3.6	<1.32
09/18/14	664.45	2.63	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
05/26/15	663.64	3.44	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
08/31/15	661.29	5.79	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
07/12/16	663.31	3.77	NOT SAMPLED							
10/10/16	662.76	4.32	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/10/18	662.97	4.11	NOT SAMPLED							
12/03/18	663.95	3.13	NOT SAMPLED							
02/26/19	662.00	5.08	NOT SAMPLED							
05/20/19	665.66	1.42	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
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
Kopatz Property BRRTS# 03-38-231379

Well MW-5

PVC Elevation = 670.45 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/18/14	664.11	6.34	1.5	0.40	<0.55	<0.23	2.55	<0.69	<3.6	<1.32
09/18/14	664.39	6.06	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
05/26/15	663.14	7.31	1.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
08/31/15	660.36	10.09	<0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
07/12/16	662.83	7.62	NOT SAMPLED							
10/10/16	661.86	8.59	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/10/18	NOT SAMPLED									
12/03/18	662.65	7.80	NOT SAMPLED							
02/26/19	660.82	9.63	NOT SAMPLED							
05/20/19	665.53	4.92	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
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 = 669.16 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/18/14	665.70	3.46	<0.7	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
09/18/14	665.84	3.32	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
05/26/15	664.58	4.58	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
08/31/15	662.07	7.09	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
07/12/16	664.54	4.62	NOT SAMPLED							
10/10/16	663.14	6.02	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/10/18	663.50	5.66	NOT SAMPLED							
12/03/18	664.35	4.81	NOT SAMPLED							
02/26/19	662.85	6.31	NOT SAMPLED							
05/20/19	667.28	1.88	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
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
Kopatz Property BRRS# 03-38-231379

Well MW-7

PVC Elevation = 663.39 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/26/15	658.48	4.91	3.8	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
08/31/15	656.06	7.33	<0.7	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
07/12/16	658.36	5.03	NOT SAMPLED							
10/10/16	657.63	5.76	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/10/18	657.89	5.50	NOT SAMPLED							
12/03/18	658.82	4.57	NOT SAMPLED							
02/26/19	657.20	6.19	NOT SAMPLED							
05/20/19	661.38	2.01	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
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-8

PVC Elevation = 666.62 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/26/15	664.71	1.91	<0.7	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
08/31/15	661.69	4.93	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
07/12/16	663.46	3.16	NOT SAMPLED							
10/10/16	663.24	3.38	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
09/10/18	663.70	2.92	NOT SAMPLED							
12/03/18	664.64	1.98	NOT SAMPLED							
02/26/19	663.56	3.06	NOT SAMPLED							
05/20/19	666.31	0.31	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
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
Kopatz Property BRRTS# 03-38-231379

Potable W8317 PW (On Site Well)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
04/09/13	NM	NM	NS	<0.24	<0.27	<0.26	<0.49	<0.24	<0.57	<0.94
09/18/14	NM	NM	NS	<0.24	<0.27	<0.26	<0.49	<0.24	<0.57	<0.94
05/26/15	NM	NM	<0.7	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
08/31/15	NM	NM	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
07/12/16	NM	NM	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
10/10/16	NM	NM	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
09/10/18	NM	NM	NOT SAMPLED							
12/03/18	NM	NM	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
02/26/19	NM	NM	NOT SAMPLED							
05/20/19	NM	NM	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
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).

W8302 PW

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/18/14	NM	NM	1.0	<0.24	<0.27	<0.26	<0.49	<0.24	<0.57	<0.94
09/18/14	NOT SAMPLED									
05/26/15	NOT SAMPLED									
08/31/15	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).

W8305 PW

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
09/18/14	NM	NM	NS	<0.24	<0.27	<0.26	<0.49	<0.24	<0.57	<0.94
05/26/15	NOT SAMPLED									
08/31/15	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
Kopatz Property BRRTS# 03-38-231379

W8308 PW

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/18/14	NM	NM	0.9	<0.24	<0.27	<0.26	<0.49	<0.24	<0.57	<0.94
09/18/14	NOT SAMPLED									
05/26/15	NOT SAMPLED									
08/31/15	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).

W8318 PW

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/18/14	NM	NM	<0.7	<0.24	<0.27	<0.26	<0.49	<0.24	<0.57	<0.94
09/18/14	NOT SAMPLED									
05/26/15	NOT SAMPLED									
08/31/15	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).

SUMP

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/18/15	NM	NM	NS	22.1	30	<0.49	6.7	238	27.7	237
08/31/15	NOT SAMPLED									
07/12/16	NM	NM	NS	0.86	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
10/10/16	NM	NM	NS	1.04	1.89	<1.1	<1.6	5.9	2.73-4.23	20.7
09/10/18	NM	NM	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
12/03/18	NM	NM	NS	15.2	1.87	<0.28	3.8	1.98	18.83	72
02/26/19	NM	NM	NOT SAMPLED							
05/20/19	NM	NM	NS	0.71	0.57	<0.57	<1.7	1.4	0.96-1.71	5.69
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.2. Soil Analytical Results Table
 Kopatz/Cronce Property BRRTS# 03-38-231379

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl-benzene (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 (ppm)	DIRECT CONTACT				
																	Exceedance Count	Hazard Index	Cumulative Cancer Risk		
EX-1	3	U	07/09/18	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0				
EX-2	3	U	07/09/18	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0				
EX-3	12	S	07/09/18	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS					
EX-4	8	S	07/09/18	40	NS	NS	NS	<0.025	0.162	<0.025	0.183	0.227	0.57	0.194	0.952	NS					
EX-5	8	S	07/09/18	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS					
EX-6	3	U	07/09/18	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0				
EX-7	8	U	07/09/18	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS					
EX-8	12	S	07/09/18	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	0.106	0.047	0.1074	NS					
EX-9	3	U	07/09/18	0	NS	NS	NS	<0.025	<0.025	<0.025	0.099	<0.025	<0.025	<0.025	<0.075	NS	0	0.0006	1.8E-08		
EX-10	8	S	07/10/18	65	NS	NS	NS	<0.025	<0.025	<0.025	0.101	0.0314	0.055	0.072	<0.075	NS					
EX-11	12	S	07/10/18	5	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS					
EX-12	3	U	07/10/18	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0				
EX-13	3	U	07/10/18	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0				
EX-14	8	U	07/10/18	40	NS	NS	NS	<0.25	0.54	<0.25	1.83	0.285	3.3	1.6	2.60	NS					
EX-15	8	U	07/10/18	25	NS	NS	NS	0.0307	0.293	<0.025	1.1	0.248	2.29	1.37	2.08	NS					
EX-16	3	U	07/10/18	0	NS	NS	NS	<0.025	<0.025	<0.025	0.033	<0.025	0.039	<0.025	<0.075	NS	0	0.0003	6.0E-09		
EX-17	12	S	07/10/18	15	NS	NS	NS	0.062	0.103	<0.025	0.194	0.15	0.40	0.208	0.49	NS					
EX-18	8	U	07/10/18	210	NS	NS	NS	4.2	29.9	<0.25	36	75	59	28.6	154	NS					
EX-19	3	U	07/10/18	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	0.063	0.063	0.0293	0.138	NS	0	0.0008	2.4E-08		
EX-20	8	U	07/10/18	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	0.055	0.034	0.0267-0.0767	NS					
EX-21	12	S	07/10/18	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS					
MW-1R								8-27-18 BLIND DRILLED													
MW-2R								8-27-18 BLIND DRILLED													
Groundwater RCL								27	-	-	0.0051	1.57	0.027	0.6582	1.1072	1.3787	3.96	-			
Non-Industrial Direct Contact RCL								400	-	-	1.6	8.02	63.8	5.52	818	219	182	260	-	1.00E+00	1.00E-05
Industrial Direct Contact RCL								(800)	-	-	(7.07)	(35.4)	(282)	(24.1)	(818)	(219)	(182)	(260)	-	1.00E+00	1.00E-05
Soil Saturation Concentration (C-sat)*								-	-	-	1820*	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

(ppm) = parts per million

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

PID = Photoionization Detector

PVOC's = Petroleum Volatile Organic Compounds

VOC's = Volatile Organic Compounds

Note: Non-Industrial RCLs apply to this site.

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

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

NM = Not Measured

ND = No Detects

A.2. Soil Analytical Results Table
Kopatz Property BRRTS# 03-38-231379

Sampling Conducted on April 9, 2013

VOC's		Bold =	<u>Underline &</u>	(Parenthesis &	Asteric * &
Sample ID#	G-4-2	Groundwater	Bold = Non-	Bold) = Industrial	Bold = Soil
Sample Depth/ft.	8	RCL	<u>Industrial</u>	Direct Contact	Saturation
			<u>Direct</u>	RCL	(C-sat) RCL
			<u>Contact RCL</u>		
Lead/ppm	6.29	27	<u>400</u>	(800)	==
GRO/ppm	2490	==	==	==	==
Benzene/ppm	1.17	0.00512	<u>1.6</u>	(7.07)	1820*
Bromobenzene/ppm	<0.650	==	<u>342</u>	(679)	==
Bromodichloromethane/ppm	<1.350	0.000326	<u>0.418</u>	(1.83)	==
Bromoform/ppm	<1.500	0.00233	<u>25.4</u>	(113)	==
tert-Butylbenzene/ppm	<1.000	==	<u>183</u>	(183)	183*
sec-Butylbenzene/ppm	2.5	==	<u>145</u>	(145)	145*
n-Butylbenzene/ppm	11.6	==	<u>108</u>	(108)	108*
Carbon Tetrachloride/ppm	<1.250	0.00388	<u>0.916</u>	(4.03)	==
Chlorobenzene/ppm	<0.800	==	<u>370</u>	(761)	761*
Chloroethane/ppm	<2.100	0.227	==	==	==
Chloroform/ppm	<2.450	0.0033	<u>0.454</u>	(1.98)	==
Chloromethane/ppm	<9.050	0.0155	<u>159</u>	(669)	==
2-Chlorotoluene/ppm	<0.800	==	==	==	==
4-Chlorotoluene/ppm	<0.700	==	==	==	==
1,2-Dibromo-3-chloropropane/ppm	<2.400	0.000173	<u>0.008</u>	(0.092)	==
Dibromochloromethane/ppm	<0.700	0.032	<u>8.28</u>	(38.9)	==
1,4-Dichlorobenzene/ppm	<1.650	0.144	<u>3.74</u>	(16.4)	==
1,3-Dichlorobenzene/ppm	<1.500	1.1528	<u>297</u>	(193)	297*
1,2-Dichlorobenzene/ppm	<1.900	1.168	<u>376</u>	(376)	376*
Dichlorodifluoromethane/ppm	<2.850	3.0863	<u>126</u>	(530)	==
1,2-Dichloroethane/ppm	<1.800	0.00284	<u>0.652</u>	(2.87)	540*
1,1-Dichloroethane/ppm	<0.950	0.4834	<u>5.06</u>	(22.2)	==
1,1-Dichloroethene/ppm	<1.050	0.00502	<u>320</u>	(1190)	1190*
cis-1,2-Dichloroethene/ppm	<1.200	0.0412	<u>156</u>	(2340)	==
trans-1,2-Dichloroethene/ppm	<1.450	0.626	<u>1560</u>	(1850)	==
1,2-Dichloropropane/ppm	<0.475	0.00332	<u>0.406</u>	(1.78)	==
2,2-Dichloropropane/ppm	<2.300	==	<u>527</u>	(527)	527*
1,3-Dichloropropane/ppm	<1.050	==	<u>1490</u>	(1490)	1490*
Di-isopropyl ether/ppm	<0.550	==	<u>2260</u>	(2260)	2260*
EDB (1,2-Dibromoethane)/ppm	<1.000	0.0000282	<u>0.05</u>	(0.221)	==
Ethylbenzene/ppm	41	1.57	<u>8.02</u>	(35.4)	480*
Hexachlorobutadiene/ppm	<4.750	==	<u>1.63</u>	(7.19)	==
Isopropylbenzene/ppm	4.1	==	==	==	==
p-Isopropyltoluene/ppm	1.89	==	<u>162</u>	(162)	162*
Methylene chloride/ppm	<2.850	0.00256	<u>61.8</u>	(1150)	==
Methyl tert-butyl ether (MTBE)/ppm	<1.500	0.027	<u>63.8</u>	(282)	8870*
Naphthalene/ppm	24.8	0.6582	<u>5.52</u>	(24.1)	==
n-Propylbenzene/ppm	13.9	==	==	==	==
1,1,2,2-Tetrachloroethane/ppm	<0.600	0.000156	<u>0.81</u>	(3.6)	==
1,1,1,2-Tetrachloroethane/ppm	<1.150	0.0534	<u>2.78</u>	(12.3)	==
Tetrachloroethene (PCE)/ppm	<2.450	0.00454	<u>33</u>	(145)	==
Toluene/ppm	57	1.11	<u>818</u>	(818)	818*
1,2,4-Trichlorobenzene/ppm	<3.950	0.408	<u>24</u>	(113)	==
1,2,3-Trichlorobenzene/ppm	<6.450	==	<u>62.6</u>	(934)	==
1,1,1-Trichloroethane/ppm	<1.900	0.1402	==	==	==
1,1,2-Trichloroethane/ppm	<1.150	0.00324	<u>1.59</u>	(7.01)	==
Trichloroethene (TCE)/ppm	<1.400	0.00358	<u>1.3</u>	(8.41)	==
Trichlorofluoromethane/ppm	<4.300	2.2387	<u>1230</u>	(1230)	1230*
1,2,4-Trimethylbenzene/ppm	111	1.38	<u>219</u>	(219)	219*
1,3,5-Trimethylbenzene/ppm	32	==	<u>182</u>	(182)	182*
Vinyl Chloride/ppm	<1.050	0.000138	<u>0.07</u>	(2.08)	==
m&p-Xylene/ppm	187	3.96	<u>260</u>	(260)	258*
o-Xylene/ppm	73	==	==	==	==

NS = not sampled, NM = Not Measured
(ppm) = parts per million
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
= = No Exceedences

A.3. Residual Soil Contamination Table
 Kopatz/Cronce Property BRRS# 03-38-231379

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl-benzene (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 (ppm)	DIRECT CONTACT		
																	Exeedance Count	Hazard Index	Cumulative Cancer Risk
EX-14	8	U	07/10/18	40	NS	NS	NS	<0.25	0.54	<0.25	1.83	0.285	3.3	1.6	2.60	NS			
EX-15	8	U	07/10/18	25	NS	NS	NS	0.0307	0.293	<0.025	1.1	0.248	2.29	1.37	2.08	NS			
EX-18	8	U	07/10/18	210	NS	NS	NS	4.2	29.9	<0.25	36	75	59	28.6	154	NS			
Groundwater RCL					27	-	-	0.0051	1.57	0.027	0.6582	1.1072	1.3787		3.96	-			
Non-Industrial Direct Contact RCL					400	-	-	1.6	8.02	63.8	5.52	818	219	182	260	-		1.00E+00	1.00E-05
Industrial Direct Contact RCL					(800)	-	-	(7.07)	(35.4)	(282)	(24.1)	(818)	(219)	(182)	(260)	-		1.00E+00	1.00E-05
Soil Saturation Concentration (C-sat)*					-	-	-	1820*	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.4 Vapor Analytical Table
 Sub-Slab Sampling Data Table for Kopatz Property
 BY METCO

WDNR
 Residential
 Sub-Slab Vapor Action
 Levels for Various VOCs
 Quick Look-Up Table
 Updated November, 2017
 (ug/m³)

Sub-Slab Sampling conducted Conducted on: 10/20/2017 10/20/2017 10/20/2017 10/4/2019 5/15/2020 5/15/2020

Sample ID	VP-1	VP-2	VP-3	VP-1	N. Wall	VP-3
Benzene – ug/m ³	422	910000	1050000	0.89	2.49	1.69
Carbon Tetrachloride – ug/m ³	NS	NS	NS	NS	NS	NS
Chloroform – ug/m ³	NS	NS	NS	NS	NS	NS
Chloromethane – ug/m ³	NS	NS	NS	NS	NS	NS
Dichlorodifluoromethane – ug/m ³	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane (1,1-DCA) – ug/m ³	NS	NS	NS	NS	NS	NS
1,2-Dichloroethane (1,2-DCA) – ug/m ³	NS	NS	NS	NS	NS	NS
1,1-Dichloroethylene (1,1-DCE) – ug/m ³	NS	NS	NS	NS	NS	NS
1,2-Dichloroethylene (cis and trans) – ug/m ³	NS	NS	NS	NS	NS	NS
Ethylbenzene – ug/m ³	108	361000	125000	2.38	3.4	1.82
Methylene chloride – ug/m ³	NS	NS	NS	NS	NS	NS
Methyl Tert-Butyl Ether (MTBE) – ug/m ³	<58.4	<5090	<5500	<0.16	<0.16	<0.16
Naphthalene – ug/m ³	<52.2	<4550	<4920	3.7	2.62	2.04
Tetrachloroethylene -ug/m ³	NS	NS	NS	NS	NS	NS
Toluene – ug/m ³	259	573000	89200	8.0	11.3	6.8
1,1,1-Trichloroethane – ug/m ³	NS	NS	NS	NS	NS	NS
Trichloroethylene – ug/m ³	NS	NS	NS	NS	NS	NS
Trichlorofluoromethane (Halcarbon 11) – ug/m ³	NS	NS	NS	NS	NS	NS
Trimethylbenzene (1,2,4) – ug/m ³	113	442000	35600	8.5	16.8	4.3
Trimethylbenzene (1,3,5) – ug/m ³	<36.0	238000	28100	1.96	4.0	1.08
Vinyl chloride – ug/m ³	NS	NS	NS	NS	NS	NS
Xylene (total) -ug/m ³	538	4300000	823800	14.5	20.1	10.22

ug/m³ = Micrograms per cubic meter.
 < = Less than the reporting limit indicated in parentheses.
Bold = Sub-Slab Standard Exceedance
 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 th blank and sample
 E = Result exceeded calibration range
 - = Inhalation toxicity values are not available from U.S. EPA
 NS = Not Sampled

A.4 Vapor Analytical Table
 Indoor Air Sampling Data Table for Kopatz Property
 BY METCO

Indoor Air Sampling conducted Conducted on: 7/13/2016 2/7/2020 2/7/2020 5/15/2020 5/15/2020

WDNR
Residential
Indoor Air Vapor Action Levels
for Various VOCs
Quick Look-Up Table Updated
November, 2017
 (ug/m³)

Sample ID	SUMP	AB-1 Basement	AU-1 Main Floor	AB-1 Basement	AU-1 Main Floor		
Benzene – ug/m ³	23.5	0.96	0.89	0.77	0.38		3.6 c
Carbon Tetrachloride – ug/m ³	NS	NS	NS	NS	NS		4.7 c
Chloroform – ug/m ³	NS	NS	NS	NS	NS		1.2 c
Chloromethane – ug/m ³	NS	NS	NS	NS	NS		94 n
Dichlorodifluoromethane – ug/m ³	NS	NS	NS	NS	NS		100 n
1,1-Dichloroethane (1,1-DCA) – ug/m ³	NS	NS	NS	NS	NS		18 c
1,2-Dichloroethane (1,2-DCA) - ug/m ³	NS	NS	NS	NS	NS		1.1 c
1,1-Dichloroethylene (1,1-DCE) – ug/m ³	NS	NS	NS	NS	NS		210 n
1,2-Dichloroethylene (cis and trans) - ug/m ³	NS	NS	NS	NS	NS		NA n
Ethylbenzene – ug/m ³	44.3	0.26	0.43	0.65	0.48		11 c
Methylene chloride – ug/m ³	NS	NS	NS	NS	NS		630 n
Methyl Tert-Butyl Ether (MTBE) – ug/m ³	NS	<0.16	<0.16	<0.16	<0.16		110 c
Naphthalene – ug/m ³	6.1	<0.675	<0.675	1.1	<0.675		0.83 c
Tetrachloroethylene -ug/m ³	NS	NS	NS	NS	NS		42 n
Toluene – ug/m ³	314	1.2	1.47	2.67	1.17		5200 n
1,1,1-Trichloroethane – ug/m ³	NS	NS	NS	NS	NS		5200 n
Trichloroethylene – ug/m ³	NS	NS	NS	NS	NS		2.1 n
Trichlorofluoromethane (Halcarbon 11) – ug/m ³	NS	NS	NS	NS	NS		NA n
Trimethylbenzene (1,2,4) – ug/m ³	39.1	0.49	1.42	1.47	0.78		63 n
Trimethylbenzene (1,3,5) – ug/m ³	14.9	<0.232	0.44	0.44	<0.232		63 n
Vinyl chloride – ug/m ³	NS	NS	NS	NS	NS		1.7 c
Xylene (total) -ug/m ³	303.8	1.48	2.08	4.03	1.56		100 n

ug/m³ = Micrograms per cubic meter.

< = Less than the reporting limit indicated in parentheses.

Bold = Exceedence of state standards

c = Carcinogen

Underline = Indoor Residential Air Standard Exceedance

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

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

B = Compound was found in th blank and sample

E = Result exceeded calibration range

A.6 Water Level Elevations
Kopatz Property BRRTS# 03-38-231379
Marinette, Wisconsin

	MW-1	MW-1R	MW-2	MW-2R	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
Ground Surface (feet msl)	669.87	670.20	668.60	669.16	667.06	667.39	670.92	669.52	663.72	667.00
PVC top (feet msl)	669.54	669.75	668.20	668.69	666.72	667.08	670.45	669.16	663.39	666.62
Well Depth (feet)	12.00	12.50	12.00	12.50	14.00	12.00	14.00	14.00	13.00	13.00
Top of screen (feet msl)	667.87	667.70	666.60	666.66	663.06	665.39	666.92	665.52	660.72	664.00
Bottom of screen (feet msl)	657.87	657.70	656.60	656.66	653.06	655.39	656.92	655.52	650.72	654.00

Depth to Water From Top of PVC (feet)

6/18/2014	4.86	NI	3.84	NI	3.57	3.01	6.34	3.46	NI	NI
9/18/2014	5.72	NI	3.77	NI	3.48	2.63	6.06	3.32	NI	NI
5/26/2015	5.50	NI	4.38	NI	3.81	3.44	7.31	4.58	4.91	1.91
8/31/2015	8.19	NI	6.58	NI	6.31	5.79	10.09	7.09	7.33	4.93
7/12/2016	5.62	NI	4.57	NI	4.45	3.77	7.62	4.62	5.03	3.16
10/10/2016	6.92	NI	5.25	NI	4.81	4.32	8.59	6.02	5.76	3.38
9/10/2018	A	6.55	A	5.42	4.62	4.11	NM	5.66	5.50	2.92
12/3/2018	A	5.85	A	4.71	2.78	3.13	7.80	4.81	4.57	1.98
2/26/2019	A	7.50	A	6.11	5.31	5.08	9.63	6.31	6.19	3.06
5/20/2019	A	3.99	A	3.00	1.25	1.42	4.92	1.88	2.01	0.31

Depth to Water From Ground Surface (feet)

6/18/2014	5.19	NI	4.24	NI	3.91	3.32	6.81	3.82	NI	NI
9/18/2014	6.05	NI	4.17	NI	3.82	2.94	6.53	3.68	NI	NI
5/26/2015	5.83	NI	4.78	NI	4.15	3.75	7.78	4.94	5.24	2.29
8/31/2015	8.52	NI	6.98	NI	6.65	6.10	10.56	7.45	7.66	5.31
7/12/2016	5.95	NI	4.97	NI	4.79	4.08	8.09	4.98	5.36	3.54
10/10/2016	7.25	NI	5.65	NI	5.15	4.63	9.06	6.38	6.09	3.76
9/10/2018	A	7.00	A	5.89	4.96	4.42	NM	6.02	5.83	3.30
12/3/2018	A	6.30	A	5.18	3.12	3.44	8.27	5.17	4.90	2.36
2/26/2019	A	7.95	A	6.58	5.65	5.39	10.10	6.67	6.52	3.44
5/20/2019	A	4.44	A	3.47	1.59	1.73	5.39	2.24	2.34	0.69

Groundwater Elevation (feet msl)

6/18/2014	664.68	NI	664.36	NI	663.15	664.07	664.11	665.70	NI	NI
9/18/2014	663.82	NI	664.43	NI	663.24	664.45	664.39	665.84	NI	NI
5/26/2015	664.04	NI	663.82	NI	662.91	663.64	663.14	664.58	658.48	664.71
8/31/2015	661.35	NI	661.62	NI	660.41	661.29	660.36	662.07	656.06	661.69
7/12/2016	663.92	NI	663.63	NI	662.27	663.31	662.83	664.54	658.36	663.46
10/10/2016	662.62	NI	662.95	NI	661.91	662.76	661.86	663.14	657.63	663.24
9/10/2018	A	663.20	A	663.27	662.10	662.97	NM	663.50	657.89	663.70
12/3/2018	A	663.90	A	663.98	663.94	663.95	662.65	664.35	658.82	664.64
2/26/2019	A	662.25	A	662.58	661.41	662.00	660.82	662.85	657.20	663.56
5/20/2019	A	665.76	A	665.69	665.47	665.66	665.53	667.28	661.38	666.31

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

NI = Not Installed

A = Abandoned and removed during the excavation project.

NM = Not Measured

**A.7 Other
Groundwater NA Indicator Results
Kopatz Property BRRTS# 03-38-231379**

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)
06/18/14	0.89	6.24	5.0	12.20	2998	<0.15	61.8	1.44	2840
09/18/14	1.04	6.32	-29.0	14.70	3098	NS	NS	NS	NS
05/26/15	2.05	6.97	26.0	8.70	2320	NS	NS	NS	NS
08/31/15	1.18	7.15	-5.0	15.80	1072	NS	NS	NS	NS
07/12/16	2.04	6.63	-5.0	15.30	948	NS	NS	NS	NS
10/10/16	0.14	6.56	-86.0	14.70	1495	NS	NS	NS	NS
07/08/18	WELL ABANDONED AND REMOVED DURING EXCAVATION PROJECT								
8/27/2018	MW-1 REPLACED WITH MW-1R								
09/10/18	2.72	6.93	59.9	17.06	882	NS	NS	NS	NS
12/03/18	3.42	6.91	29.40	6.61	847	NS	NS	NS	NS
02/26/19	3.99	6.60	-26.0	2.84	1614	NS	NS	NS	NS
05/20/19	3.60	6.00	-88.7	NM	3390	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
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-2/2R

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
06/18/14	0.66	6.52	30.0	12.30	3524	<0.15	30.2	<0.06	229
09/18/14	0.78	6.46	-35.0	14.30	4772	NS	NS	NS	NS
05/26/15	2.17	7.36	-12.0	10.80	2703	NS	NS	NS	NS
08/31/15	1.81	7.6	216.0	15.60	1297	NS	NS	NS	NS
07/12/16	3.20	6.87	-32.0	15.10	1050	NS	NS	NS	NS
10/10/16	0.27	7.03	-63.0	14.40	2368	NS	NS	NS	NS
07/08/18	WELL ABANDONED AND REMOVED DURING EXCAVATION PROJECT								
8/27/2018	MW-1 REPLACED WITH MW-1R								
09/10/18	2.72	6.93	59.9	17.06	882	NS	NS	NS	NS
12/03/18	3.37	7.45	23.00	7.18	606	NS	NS	NS	NS
02/26/19	4.01	6.79	-30.8	2.93	3718	NS	NS	NS	NS
05/20/19	4.68	6.38	-45.3	9.06	367	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
 Note: Elevations are presented in feet mean sea level (msl).

**A.7 Other
Groundwater NA Indicator Results
Kopatz Property BRRS# 03-38-231379**

Well MW-3

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
06/18/14	1.40	6.65	150.0	13.70	559	<0.15	5.16	<0.06	231
09/18/14	1.05	6.40	91.0	14.90	512	NS	NS	NS	NS
05/26/15	2.39	7.48	7.0	11.10	6	NS	NS	NS	NS
08/31/15	1.27	7.75	-19.0	15.50	1366	NS	NS	NS	NS
07/12/16	1.95	7.12	198.0	14.30	733	NS	NS	NS	NS
10/10/16	0.18	7.17	218.0	14.90	1649	NS	NS	NS	NS
09/10/18	2.98	6.60	68.5	14.62	715	NS	NS	NS	NS
12/03/18	3.78	6.99	44.50	3.05	581	NS	NS	NS	NS
02/26/19	3.86	7.35	-27.4	3.99	1048	NS	NS	NS	NS
05/20/19	4.54	5.98	-53.6	9.06	152	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

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

Well MW-4

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
06/18/14	0.97	7.16	44.0	12.40	1006	<0.15	8.14	<0.06	363
09/18/14	1.42	6.00	101.0	13.80	1069	NS	NS	NS	NS
05/26/15	2.51	7.41	202.0	10.50	852	NS	NS	NS	NS
08/31/15	2.96	7.51	197.0	15.40	1379	NS	NS	NS	NS
07/12/16	NOT SAMPLED					NS	NS	NS	NS
10/10/16	0.36	6.76	273.0	15.00	9241	NS	NS	NS	NS
09/10/18	NOT SAMPLED					NS	NS	NS	NS
12/03/18	NOT SAMPLED					NS	NS	NS	NS
02/26/19	NOT SAMPLED					NS	NS	NS	NS
05/20/19	4.75	5.87	-99.2	9.94	710	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

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)
06/18/14	5.35	7.2	182.0	10.30	603	2.87	15.8	<0.06	39.3
09/18/14	5.08	6.96	204.0	13.80	682	NS	NS	NS	NS
05/26/15	3.73	8.12	219.0	9.80	789	NS	NS	NS	NS
08/31/15	2.87	8.02	197.0	15.10	1036	NS	NS	NS	NS
07/12/16	NOT SAMPLED					NS	NS	NS	NS
10/10/16	2.35	7.57	272.0	13.30	783	NS	NS	NS	NS
09/10/18	NOT SAMPLED					NS	NS	NS	NS
12/03/18	NOT SAMPLED					NS	NS	NS	NS
02/26/19	NOT SAMPLED					NS	NS	NS	NS
05/20/19	5.47	6.70	-19.8	6.17	372	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

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

**A.7 Other
Groundwater NA Indicator Results
Kopatz Property BRRTS# 03-38-231379**

Well MW-6

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
06/18/14	3.96	7.32	203.0	13.00	1023	4.30	16.4	<0.06	75.5
09/18/14	4.21	6.92	245.0	15.10	554	NS	NS	NS	NS
05/26/15	3.32	7.63	187.0	11.10	963	NS	NS	NS	NS
08/31/15	2.82	7.46	189.0	15.90	961	NS	NS	NS	NS
07/12/16	NOT SAMPLED					NS	NS	NS	NS
10/10/16	0.76	7.14	249.0	15.20	1259	NS	NS	NS	NS
09/10/18	NOT SAMPLED					NS	NS	NS	NS
12/03/18	NOT SAMPLED					NS	NS	NS	NS
02/26/19	NOT SAMPLED					NS	NS	NS	NS
05/20/19	4.86	6.49	-33.3	9.90	853	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

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

Well MW-7

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/26/15	3.76	7.65	98.0	12.00	420	NS	NS	NS	NS
08/31/15	3.61	8.2	161.0	15.60	1267	NS	NS	NS	NS
07/12/16	NOT SAMPLED					NS	NS	NS	NS
10/10/16	1.29	7.33	265.0	13.30	485	NS	NS	NS	NS
09/10/18	NOT SAMPLED					NS	NS	NS	NS
12/03/18	NOT SAMPLED					NS	NS	NS	NS
02/26/19	NOT SAMPLED					NS	NS	NS	NS
05/20/19	5.16	5.82	-24.7	7.60	511	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

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

Well MW-8

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/26/15	4.12	7.29	111.0	11.90	745	NS	NS	NS	NS
08/31/15	3.49	6.59	237.0	15.40	822	NS	NS	NS	NS
07/12/16	NOT SAMPLED					NS	NS	NS	NS
10/10/16	0.85	7.07	257.0	14.80	818	NS	NS	NS	NS
09/10/18	NOT SAMPLED					NS	NS	NS	NS
12/03/18	NOT SAMPLED					NS	NS	NS	NS
02/26/19	NOT SAMPLED					NS	NS	NS	NS
05/20/19	4.03	7.53	-49.7	10.16	621	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

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

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.1 Groundwater Flow Direction (9/18/2014)

B.3.c.2 Groundwater Flow Direction (9/10/2018)

B.3.c.3 Groundwater Flow Direction (5/20/2019)

B.3.d Monitoring Wells

B.4 Vapor Maps and Other Media

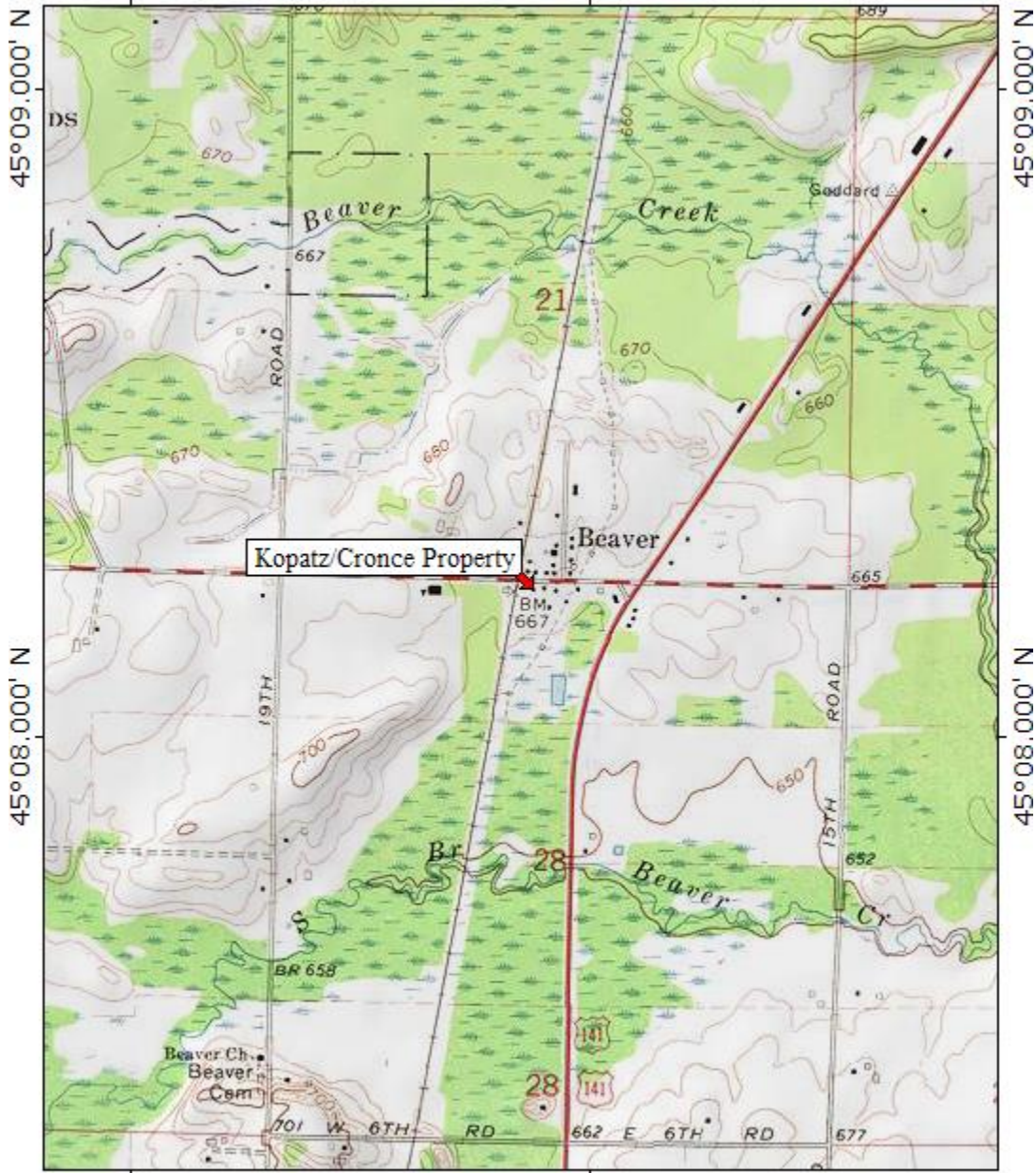
B.4.a Vapor Intrusion Map

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

B.4.c Other – Not applicable.

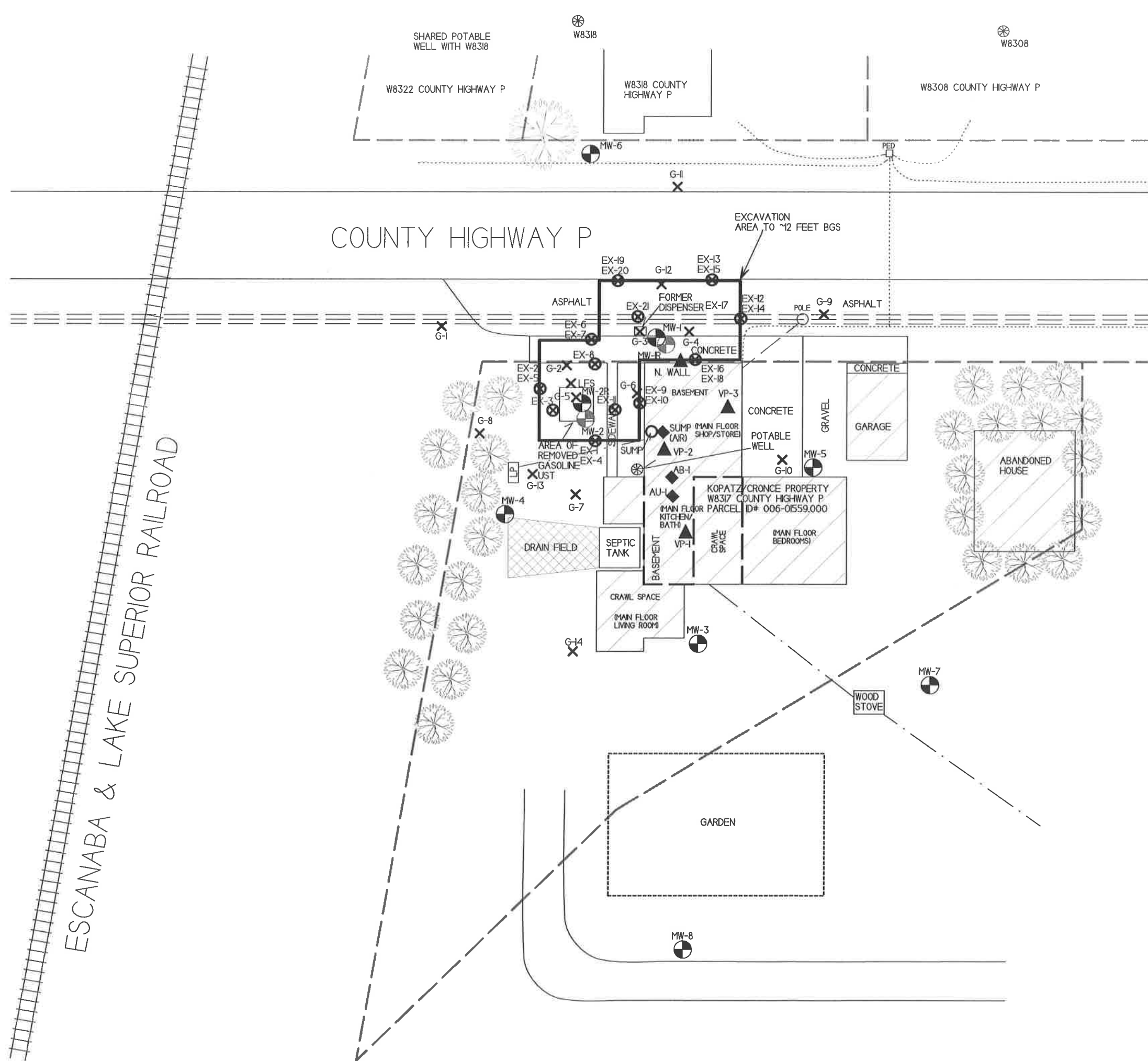
B.5 Structural Impediment Photos

TOPO! map printed on 07/13/12 from "wisconsin.tpo" and "Untitled.tpg"
88°02.000' W WGS84 88°01.000' W



88°02.000' W WGS84 88°01.000' W
0 5 1 MILE
0 1000 FEET 0 500 1000 METERS
Printed from TOPO! ©2001 National Geographic Holdings (www.topo.com)

B.1.a SITE LOCATION MAP CONTOUR INTERVAL 10 FEET
KOPATZ/CRONCE PROPERTY – BEAVER, WI
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM



ESCANABA & LAKE SUPERIOR RAILROAD

COUNTY HIGHWAY P

W8305 COUNTY HIGHWAY P

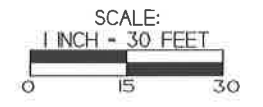
B.I.b DETAILED SITE MAP

KOPATZ/CRONCE PROPERTY

TOWN OF BEAVER, WISCONSIN

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

DRAWN BY: ED 07/25/2002
UPDATED BY: JP 05/28/2020



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

- ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
- ◆ - INDOOR AIR SAMPLE LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊙ - POTABLE WELL LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊖ - ABANDONED MONITORING WELL LOCATION
- ⊗ - SOIL EXCAVATION SAMPLE LOCATION
- - AREA OF SOIL EXCAVATION TO ~12 FEET BGS
- — — — — - WATER LINE
- . - - - - - - GAS LINE
- - - - - - OVERHEAD ELECTRIC LINE
- · - - - - - TELEPHONE/CABLE LINE
- - - - - - PROPERTY BOUNDARY

W8302

W8308

W8318

SHARED POTABLE WELL WITH W8318

W8322 COUNTY HIGHWAY P

W8318 COUNTY HIGHWAY P

W8308 COUNTY HIGHWAY P

EXCAVATION AREA TO ~12 FEET BGS

WOOD STOVE

GARDEN

ABANDONED HOUSE

KOPATZ/CRONCE PROPERTY
W8317 COUNTY HIGHWAY P
PARCEL ID# 006-01559.000

MAIN FLOOR KITCHEN/BATH

MAIN FLOOR LIVING ROOM

BASEMENT

CRAWL SPACE

SEPTIC TANK

DRAIN FIELD

AREA OF REMOVED GASOLINE JUST

AREA OF REMOVED GASOLINE

AREA OF REMOVED GASOLINE

AREA OF REMOVED GASOLINE

AREA OF REMOVED GASOLINE

AREA OF REMOVED GASOLINE

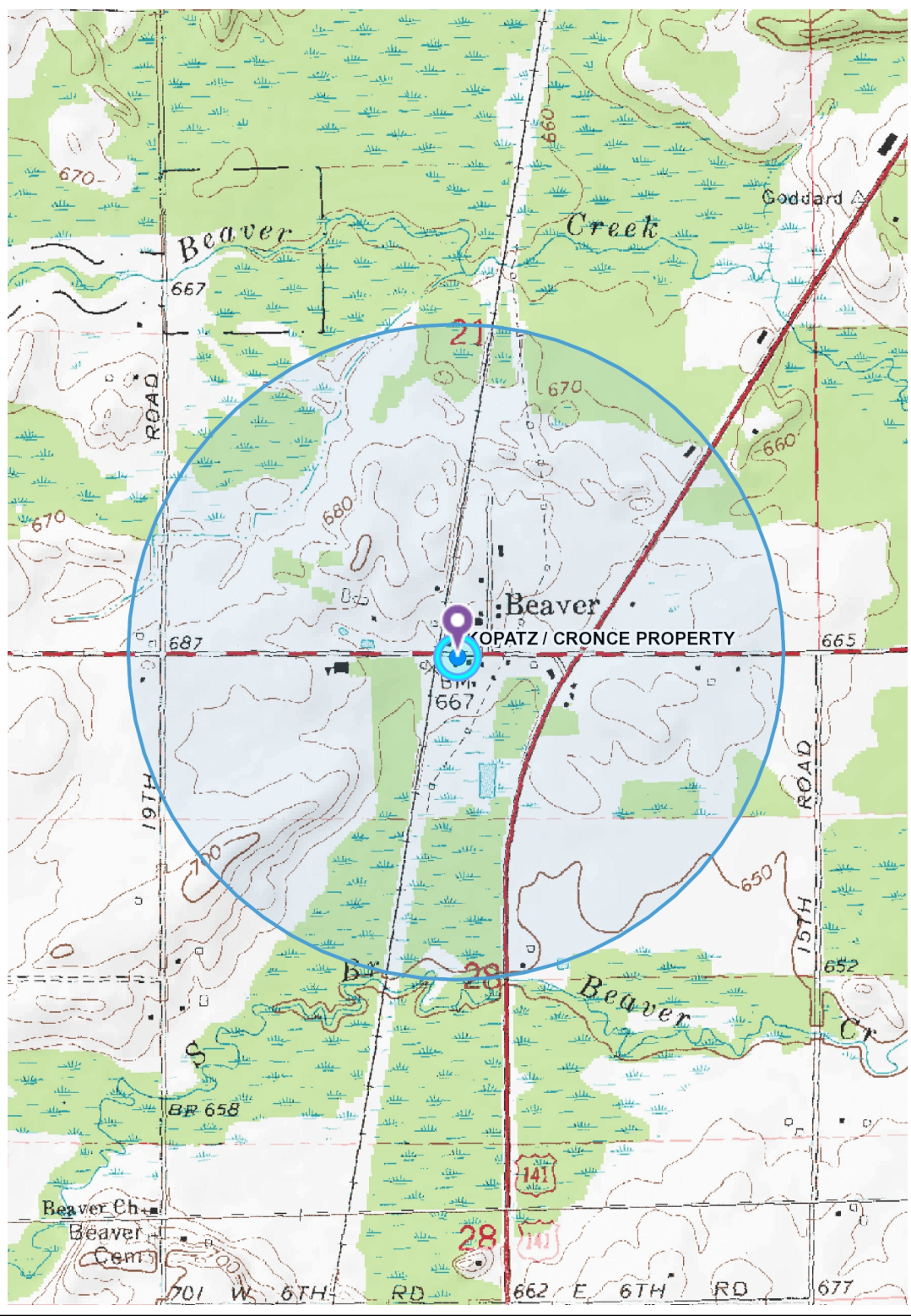
AREA OF REMOVED GASOLINE

AREA OF REMOVED GASOLINE

AREA OF REMOVED GASOLINE



B.1.c RR Site Map



Legend

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

0.3 0 0.3 Miles

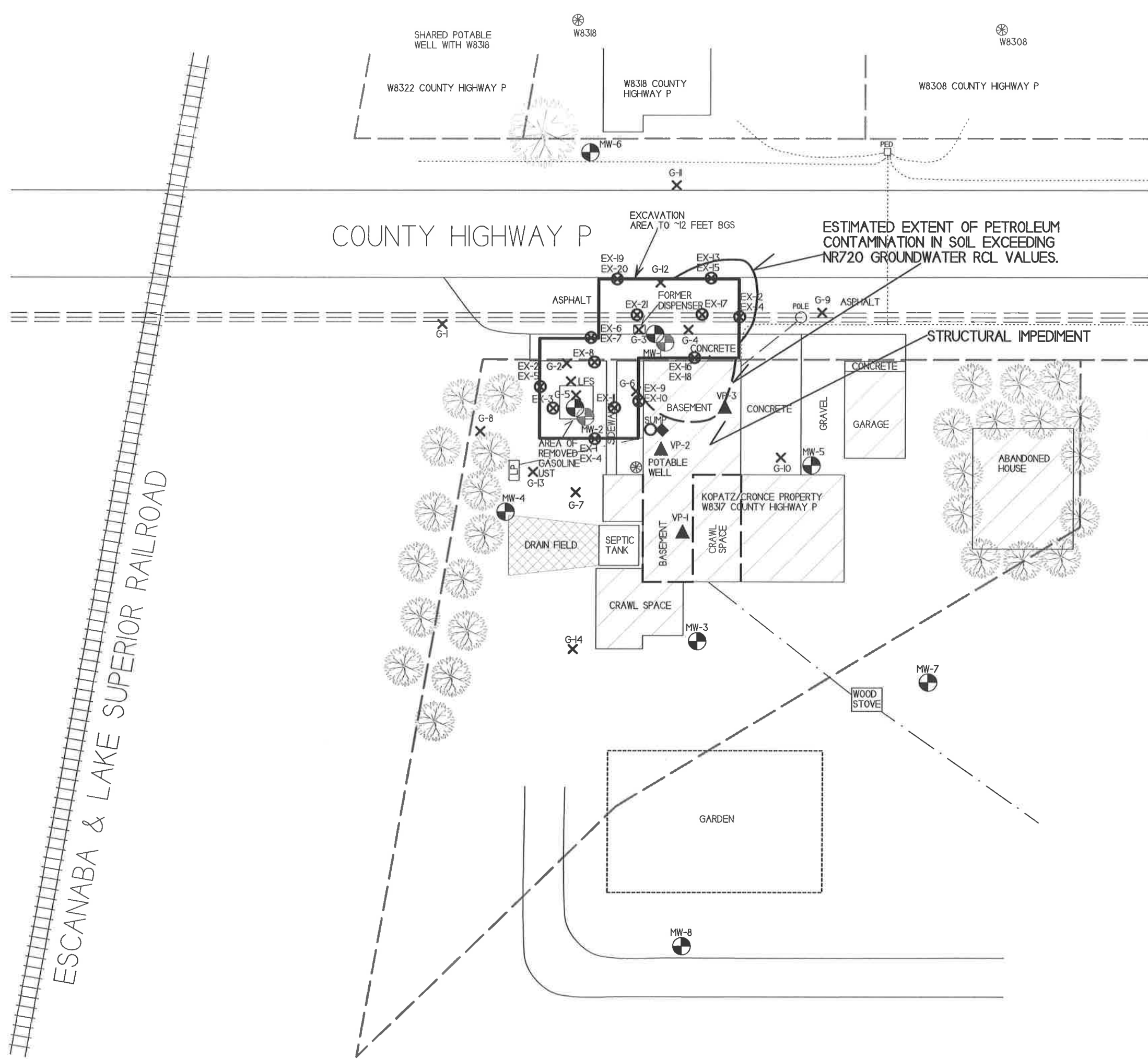
1: 15,840

NAD_1983_HARN_Wisconsin_TM

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

Note: Not all sites are mapped.

Notes



COUNTY HIGHWAY P

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 GROUNDWATER RCL VALUES.

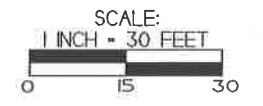
EXCAVATION AREA TO ~12 FEET BGS

STRUCTURAL IMPEDIMENT

KOPATZ/CRONCE PROPERTY
W8317 COUNTY HIGHWAY P

ESCANABA & LAKE SUPERIOR RAILROAD

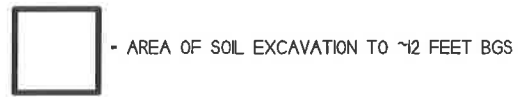
W8305 COUNTY HIGHWAY P



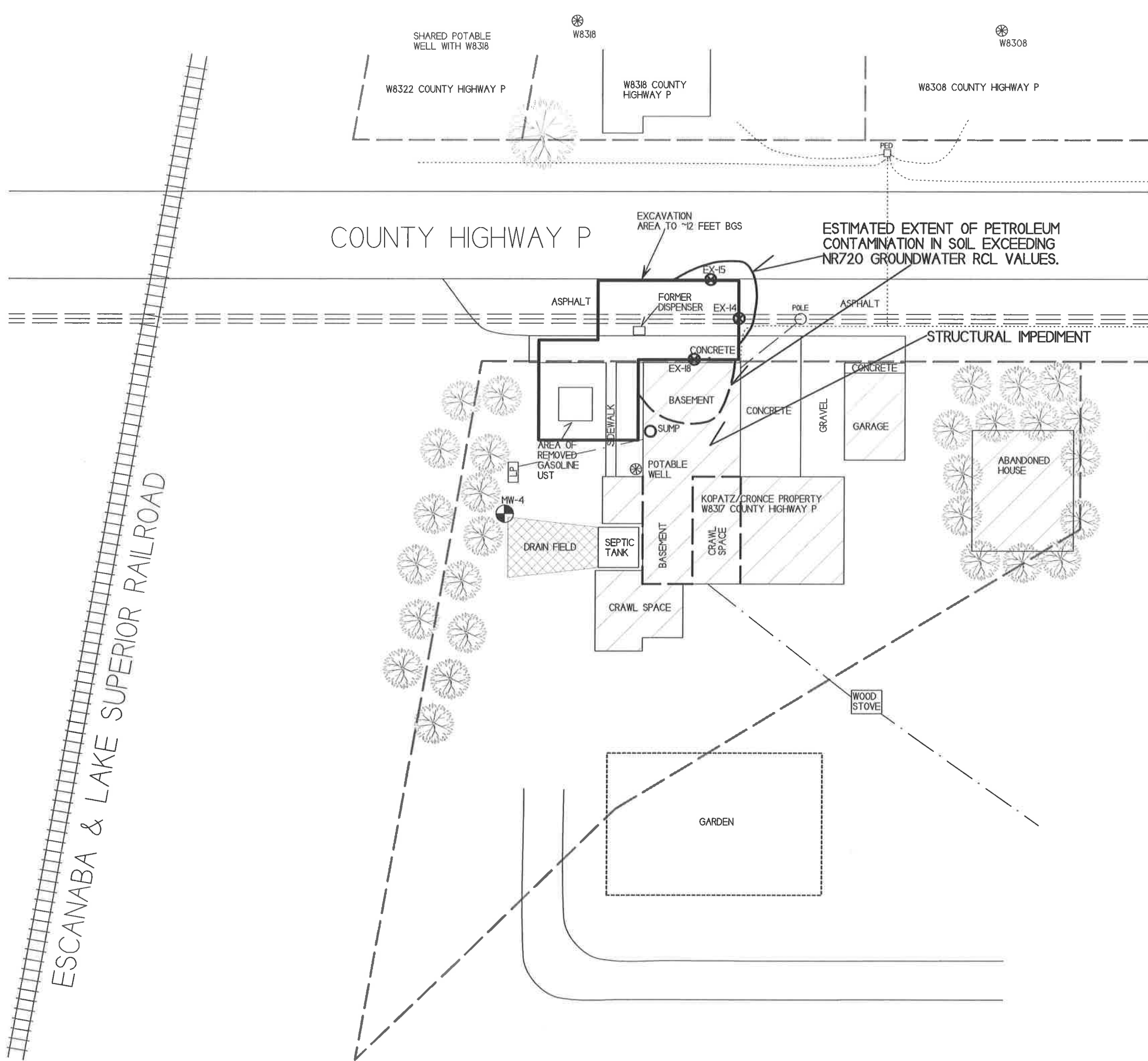
<h3>B.2.a SOIL CONTAMINATION</h3> <h4>KOPATZ/CRONCE PROPERTY</h4>		
<p>709 Gillette Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8853</p>	<p>BEAVER, WISCONSIN</p> <p>DRAWN BY: ED 07/15/2002 UPDATED BY: BH 04/29/2009</p>	

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

- ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
- ◆ - INDOOR AIR SAMPLE LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊕ - POTABLE WELL LOCATION
- ⊙ - MONITORING WELL LOCATION
- ⊙ - ABANDONED MONITORING WELL LOCATION
- ⊗ - SOIL EXCAVATION SAMPLE LOCATION



- ⊕ - W8305
- — — — — - WATER LINE
- — — — — - GAS LINE
- — — — — - OVERHEAD ELECTRIC LINE
- — — — — - TELEPHONE/CABLE LINE
- — — — — - PROPERTY BOUNDARY



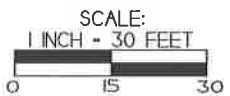
COUNTY HIGHWAY P

EXCAVATION AREA TO ~12 FEET BGS

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 GROUNDWATER RCL VALUES.

ESCANABA & LAKE SUPERIOR RAILROAD

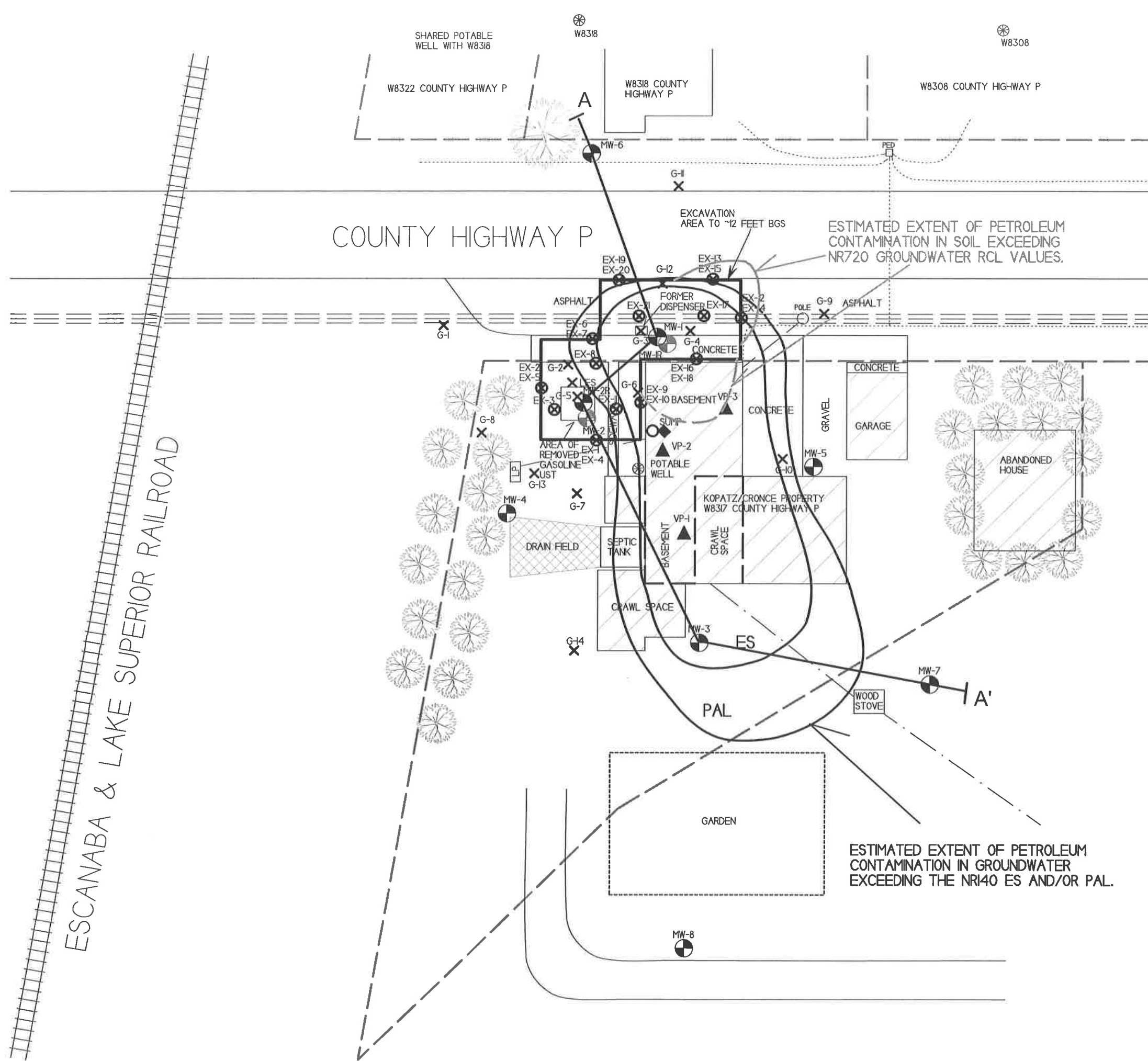
W8305 COUNTY HIGHWAY P



<h3>B.2.5 RESIDUAL SOIL CONTAMINATION</h3> <h3>KOPATZ/CRONCE PROPERTY</h3>		
<p>METCO <small>700 Gillette Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8803</small></p>		
<p>BEAVER, WISCONSIN <small>DRAWN BY: ED 07/03/2002 UPDATED BY: BW 05/28/2009</small></p>		

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

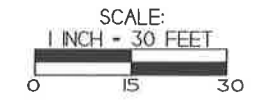
- ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
- ◆ - INDOOR AIR SAMPLE LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊗ - POTABLE WELL LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊖ - ABANDONED MONITORING WELL LOCATION
- ⊗ - SOIL EXCAVATION SAMPLE LOCATION
- - AREA OF SOIL EXCAVATION TO ~12 FEET BGS
- — — — — - WATER LINE
- · — · — · — - GAS LINE
- - - - - - OVERHEAD ELECTRIC LINE
- · - · - · - TELEPHONE/CABLE LINE
- - - - - - PROPERTY BOUNDARY



ESCANABA & LAKE SUPERIOR RAILROAD

COUNTY HIGHWAY P

W8305 COUNTY HIGHWAY P



<p>B.3.a.1 GEOLOGIC CROSS-SECTION MAP</p> <p>KOPATZ/CRONCE PROPERTY</p>		
<p>METCO 709 Gillette Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8579 Fax: (608) 781-8893</p>	<p>BEAVER, WISCONSIN DRAWN BY: ED 07/05/2002 UPDATED BY: ED 07/09/2003</p>	

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

- ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
- ◆ - INDOOR AIR SAMPLE LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊕ - POTABLE WELL LOCATION
- ⊙ - MONITORING WELL LOCATION
- ⊖ - ABANDONED MONITORING WELL LOCATION
- ⊗ - SOIL EXCAVATION SAMPLE LOCATION

- AREA OF SOIL EXCAVATION TO ~12 FEET BGS

- — — — — - WATER LINE
- · — · — · — - GAS LINE
- - - - - - OVERHEAD ELECTRIC LINE
- · - · - · - TELEPHONE/CABLE LINE
- - - - - - PROPERTY BOUNDARY

W8305

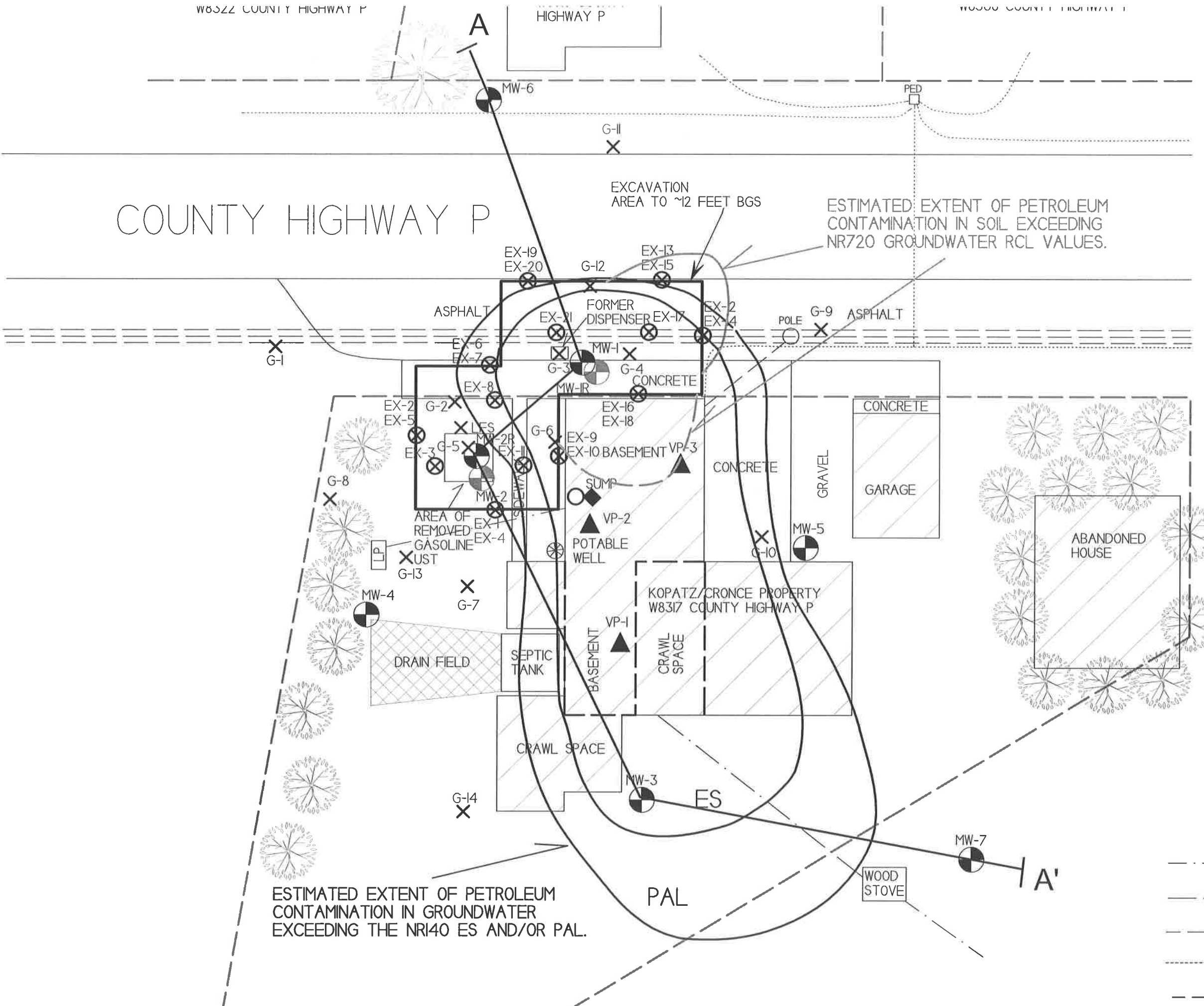
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR140 ES AND/OR PAL.

W8322 COUNTY HIGHWAY P

HIGHWAY P

W8300 COUNTY HIGHWAY P

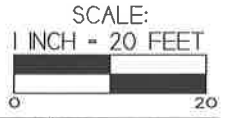
COUNTY HIGHWAY P



EXCAVATION AREA TO ~12 FEET BGS

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL EXCEEDING NR720 GROUNDWATER RCL VALUES.

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



B.3.a.2 GEOLOGIC CROSS-SECTION MAP (CLOSE UP)
KOPATZ/CRONCE PROPERTY

METCO
709 Gillette Street, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8870
Fax: (608) 781-8883

BEAVER, WISCONSIN
DRAWN BY: ED 07/10/2002
UPDATED BY: ED 07/28/2003

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

- ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
- ◆ - INDOOR AIR SAMPLE LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊗ - POTABLE WELL LOCATION
- ◐ - MONITORING WELL LOCATION
- ◑ - ABANDONED MONITORING WELL LOCATION
- ⊗ - SOIL EXCAVATION SAMPLE LOCATION

◻ - AREA OF SOIL EXCAVATION TO ~12 FEET BGS


- - - - - WATER LINE
- · - · - · GAS LINE
- - - - - OVERHEAD ELECTRIC LINE
- · - · - · TELEPHONE/CABLE LINE
- - - - - PROPERTY BOUNDARY

B.3.a.3 GEOLOGIC CROSS-SECTION FIGURE

KOPATZ PROPERTY

BEAVER, WISCONSIN

DRAWN BY: BN 08/20/2019



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

- ⊕ - MONITORING WELL LOCATION
- ⊙ - SOIL SAMPLING LOCATION
- - GEOPROBE BORING LOCATION
- ⊗ - SOIL SAMPLING LOCATION
- ⊗ - SOIL EXCAVATION SAMPLE LOCATION
- ▼ - WATERTABLE
- ⊗ - AREA OF SOIL EXCAVATION TO ~12 FEET BGS

INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

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

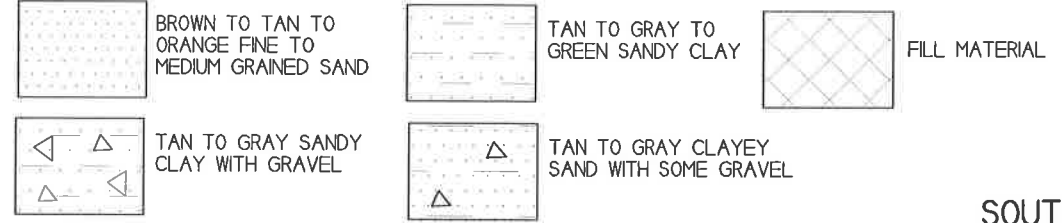
GROUNDWATER SAMPLE RESULTS ARE PRESENTED IN PARTS PER BILLION (PPB).

GROUNDWATER FLOW IS TOWARD THE SOUTH TO SOUTHEAST.

- PID - PHOTO IONIZATION DETECTOR
- GRO - GASOLINE RANGE ORGANICS
- VOC - VOLATILE ORGANIC COMPOUNDS
- B - BENZENE
- E - ETHYLBENZENE
- MTBE - METHYL-TERT-BUTYL-ETHER
- N - NAPHTHALENE
- T - TOLUENE
- TMB - TRIMETHYLBENZENE
- X - XYLENE

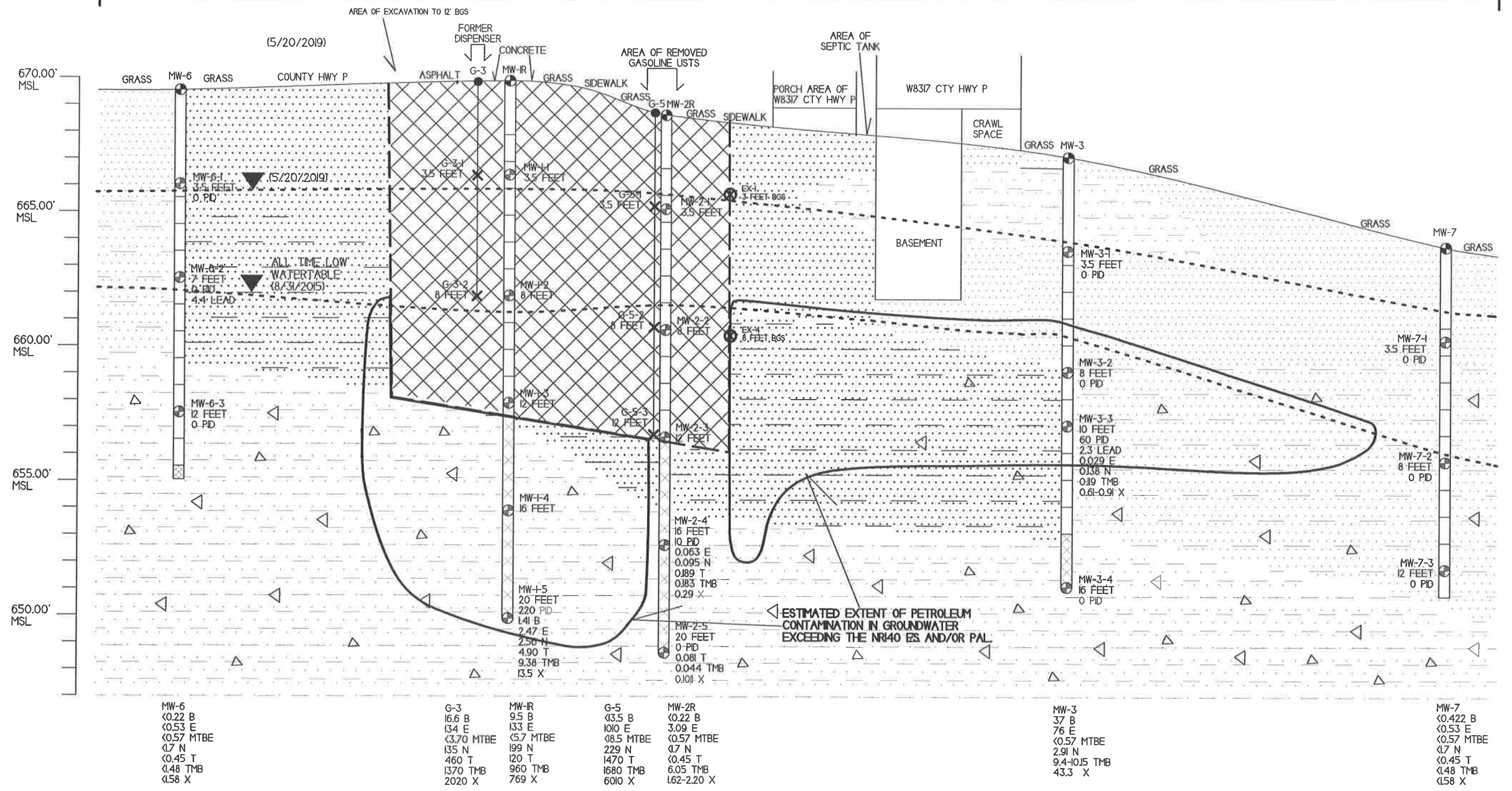
NOTE: SOIL AND GROUNDWATER SAMPLE DATA IS BASED ON LABORATORY RESULTS FROM SAMPLES COLLECTED DURING THE FOLLOWING EVENTS:

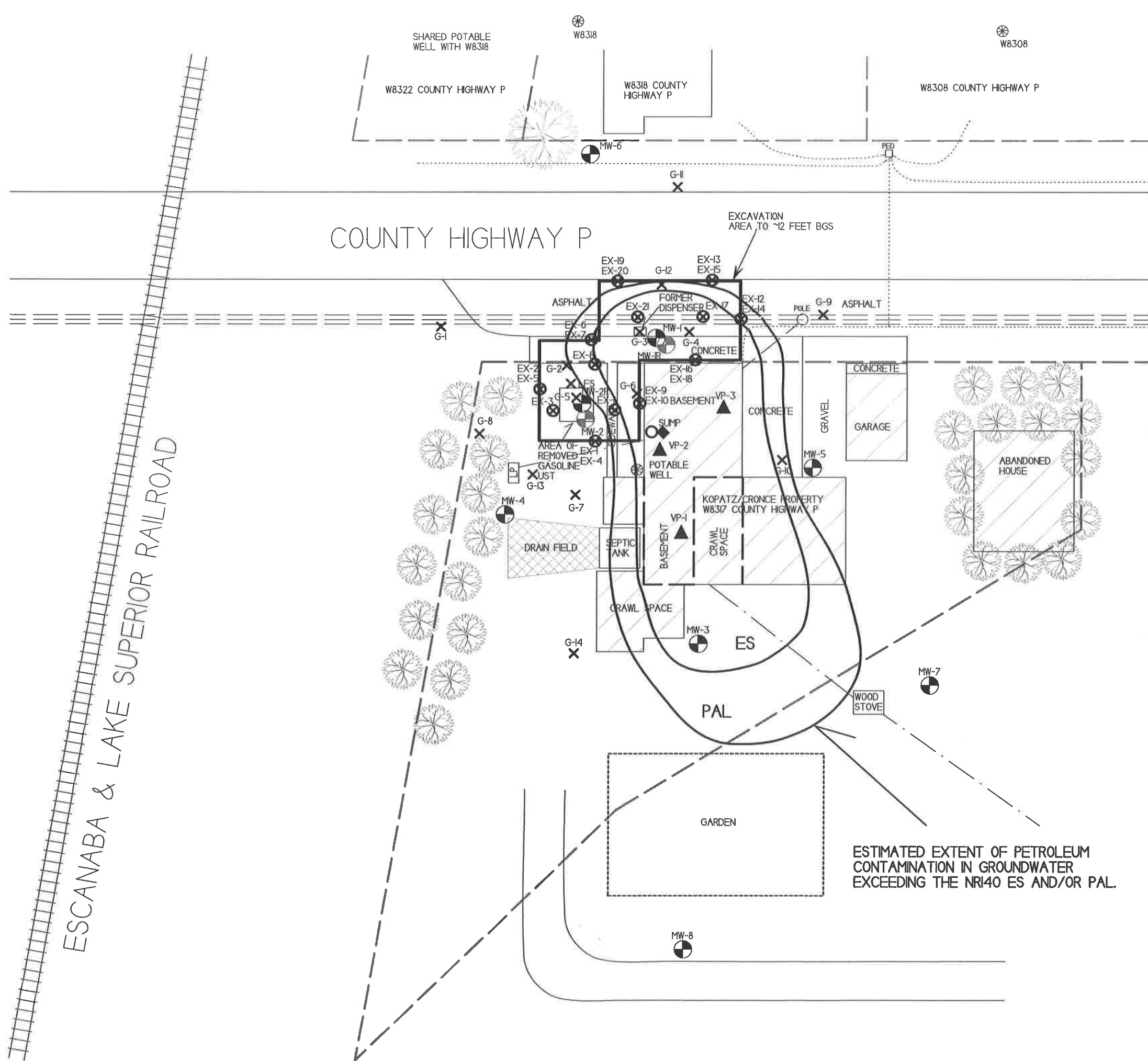
- GEOPROBE PROJECT (4/9-10/13)
- DRILLING PROJECT (4/16-17/14)
- DRILLING PROJECT (5/18/15)
- EXCAVATION PROJECT (7/8/18 - 7/10/18)
- ROUND 10 GROUNDWATER SAMPLING (5/20/19)



A NORTH/NORTHWEST

A SOUTH/SOUTHEAST





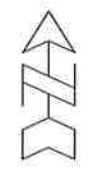
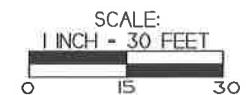
ESCANABA & LAKE SUPERIOR RAILROAD

COUNTY HIGHWAY P

W8322 COUNTY HIGHWAY P W8318 COUNTY HIGHWAY P W8308 COUNTY HIGHWAY P

W8305 COUNTY HIGHWAY P

B.3.b GROUNDWATER ISOCONCENTRATION	
KOPATZ/CRONCE PROPERTY	
 <small>709 Gillette Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8503</small>	BEAVER, WISCONSIN <small>DRAWN BY: ED 07/01/2002 UPDATED BY: BH 06/29/2009</small>



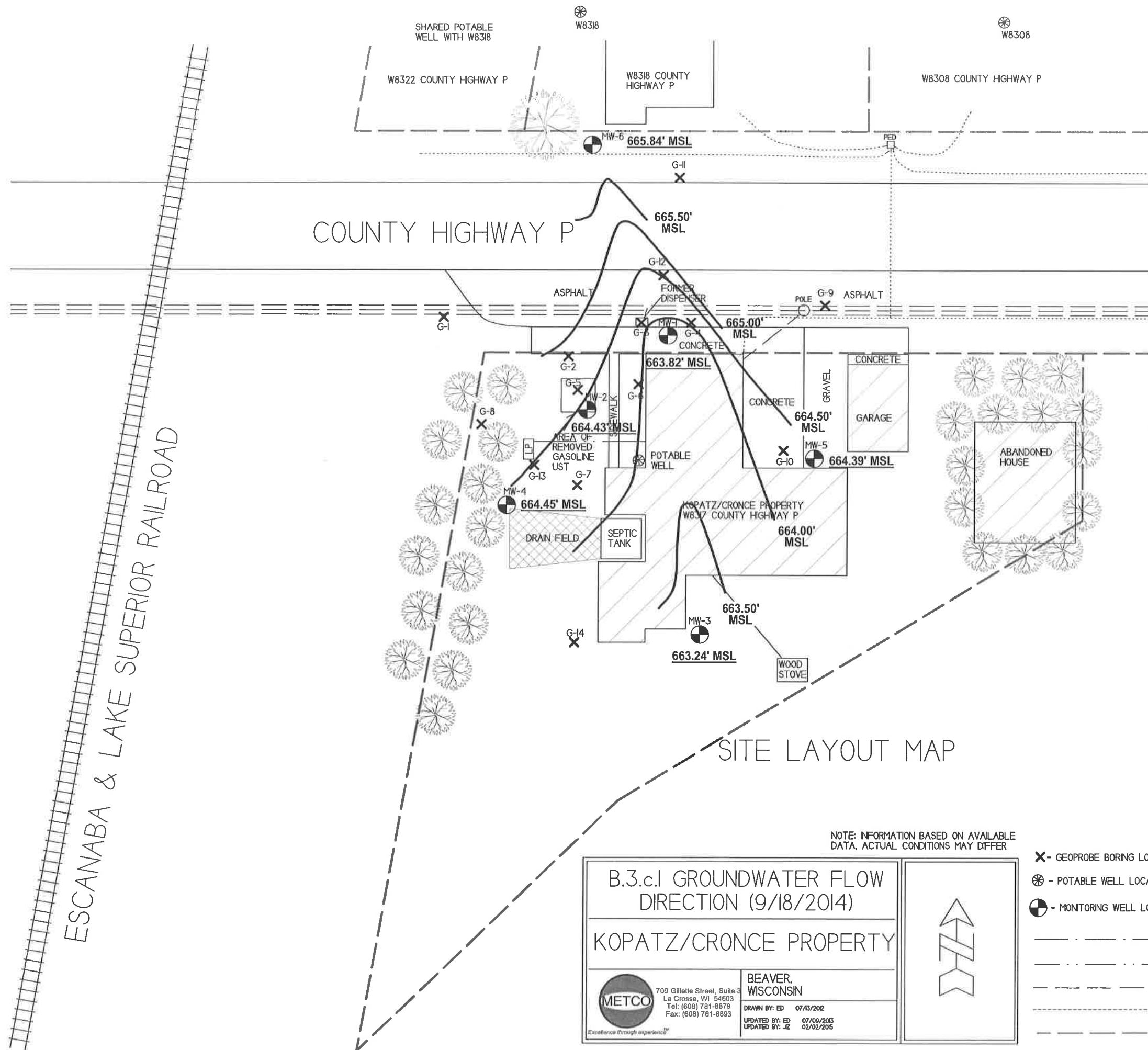
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

- ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
- ◆ - INDOOR AIR SAMPLE LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊙ - POTABLE WELL LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊖ - ABANDONED MONITORING WELL LOCATION
- ⊗ - SOIL EXCAVATION SAMPLE LOCATION

- AREA OF SOIL EXCAVATION TO ~12 FEET BGS

- — — — — - WATER LINE
- · — · — · — - GAS LINE
- — — — — - OVERHEAD ELECTRIC LINE
- - - - - - TELEPHONE/CABLE LINE
- - - - - - PROPERTY BOUNDARY

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR40 ES AND/OR PAL.



COUNTY HIGHWAY P

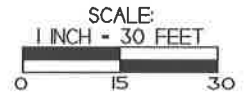
ESCANABA & LAKE SUPERIOR RAILROAD

SITE LAYOUT MAP

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

<p>B.3.c.1 GROUNDWATER FLOW DIRECTION (9/18/2014)</p>	
<p>KOPATZ/CRONCE PROPERTY</p>	
<p>709 Gillette Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893</p>	<p>BEAVER, WISCONSIN</p>
	<p>DRAWN BY: ED 07/13/2012</p>
	<p>UPDATED BY: ED 07/09/2015</p>
	<p>UPDATED BY: JZ 02/02/2015</p>

- X - GEOPROBE BORING LOCATION
- ⊗ - POTABLE WELL LOCATION
- ⊕ - MONITORING WELL LOCATION
- - HOT WATER LINE
- - GAS LINE
- - OVERHEAD ELECTRIC LINE
- - TELEPHONE/CABLE LINE
- - PROPERTY BOUNDARY



W8302

W8308

W8318

SHARED POTABLE WELL WITH W8318

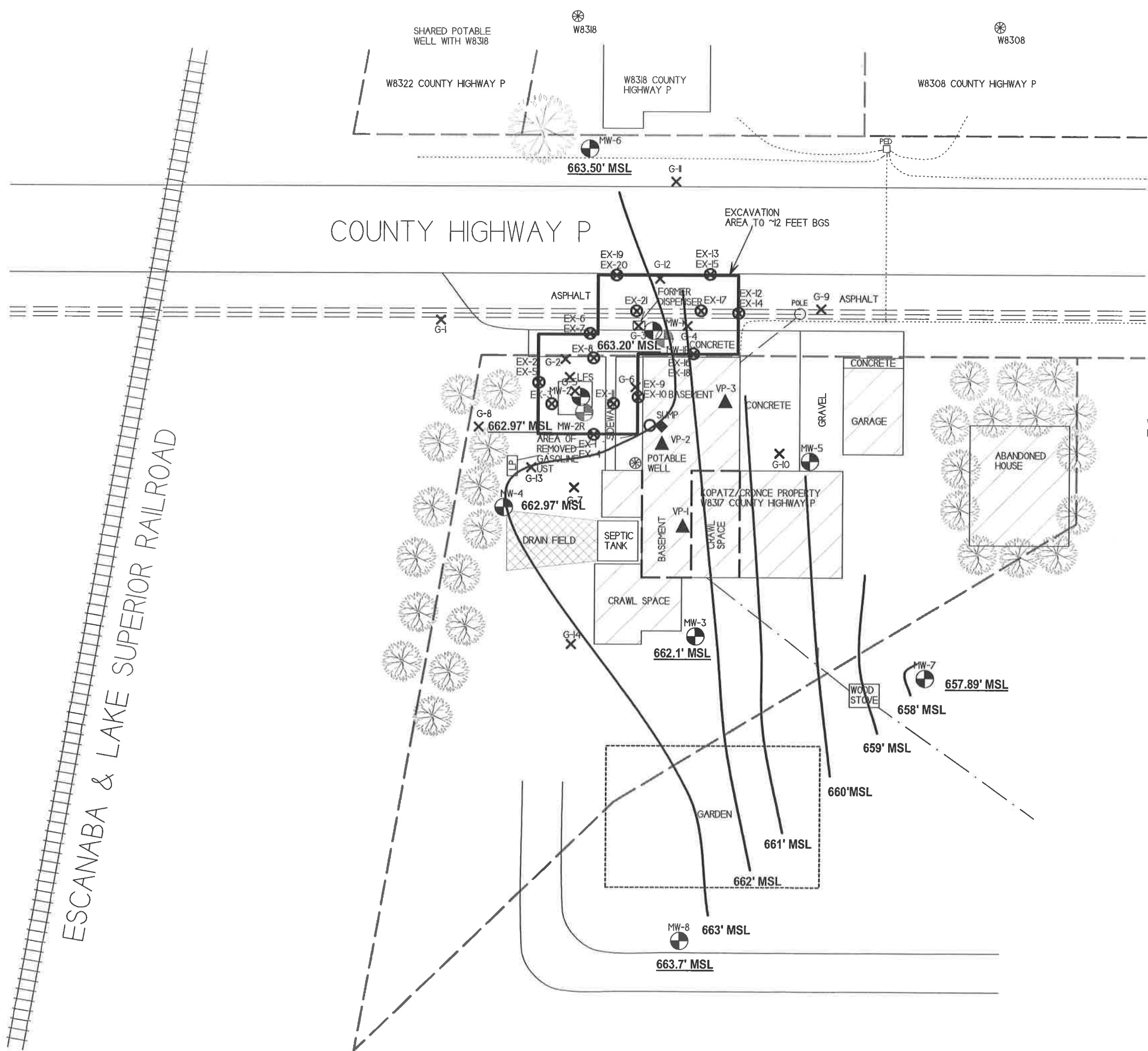
W8322 COUNTY HIGHWAY P

W8318 COUNTY HIGHWAY P

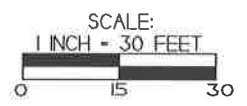
W8308 COUNTY HIGHWAY P

COUNTY HIGHWAY P

ESCANABA & LAKE SUPERIOR RAILROAD



W8305 COUNTY HIGHWAY P



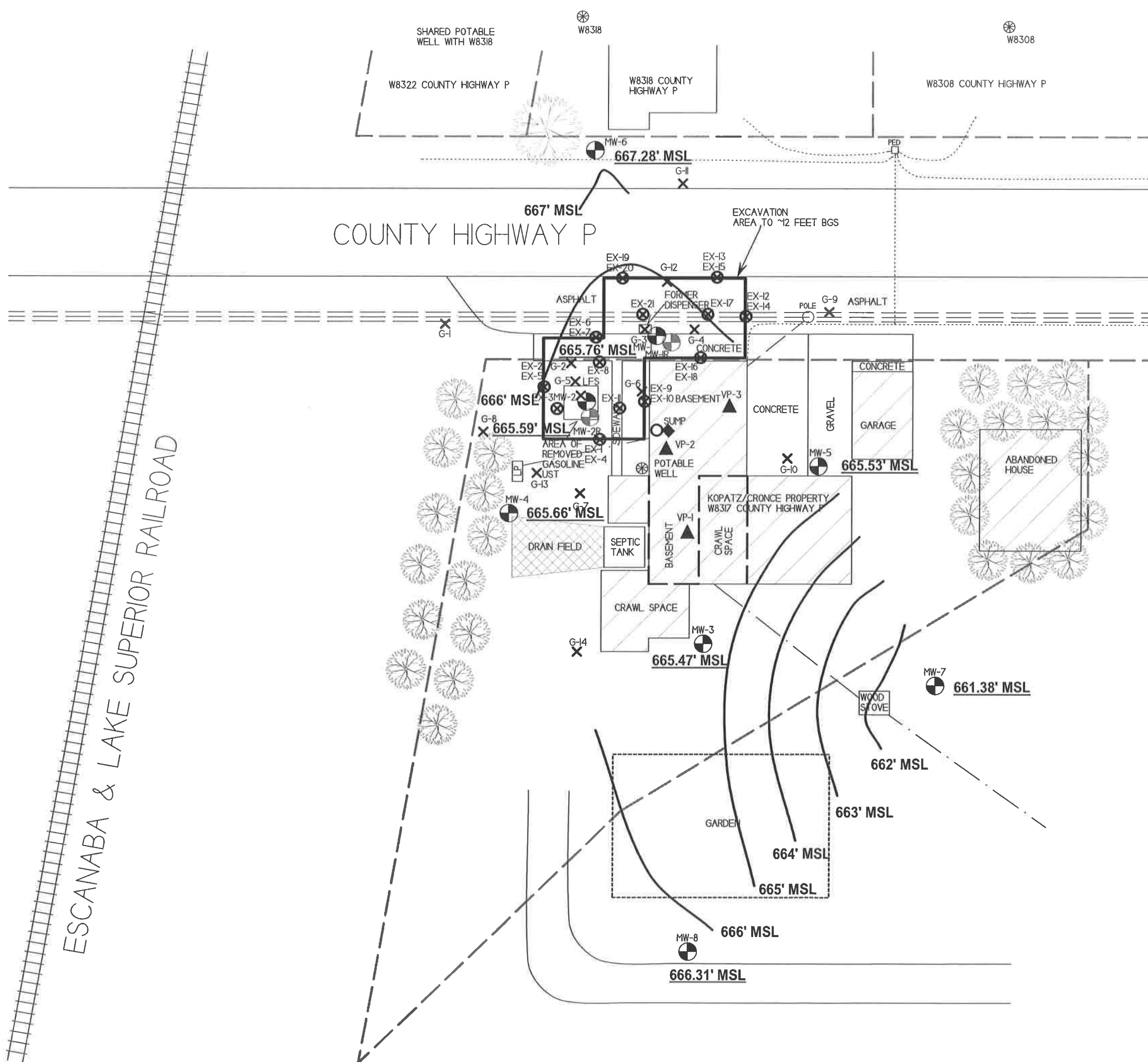
B.3.c.2 GROUND WATER FLOW DIRECTION (9/10/2018)	
KOPATZ/CRONCE PROPERTY	
<p>709 Gillette Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8873 Fax: (608) 781-8893</p>	<p>BEAVER, WISCONSIN</p> <p>DRAWN BY: ED 07/15/2012 UPDATED BY: ED 07/09/2008</p>

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

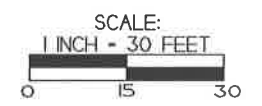
- ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
- ◆ - INDOOR AIR SAMPLE LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊗ - POTABLE WELL LOCATION
- ⊙ - MONITORING WELL LOCATION
- ⊖ - ABANDONED MONITORING WELL LOCATION
- ⊗ - SOIL EXCAVATION SAMPLE LOCATION

- AREA OF SOIL EXCAVATION TO ~12 FEET BGS

- WATER LINE
- GAS LINE
- OVERHEAD ELECTRIC LINE
- TELEPHONE/CABLE LINE
- PROPERTY BOUNDARY



W8302



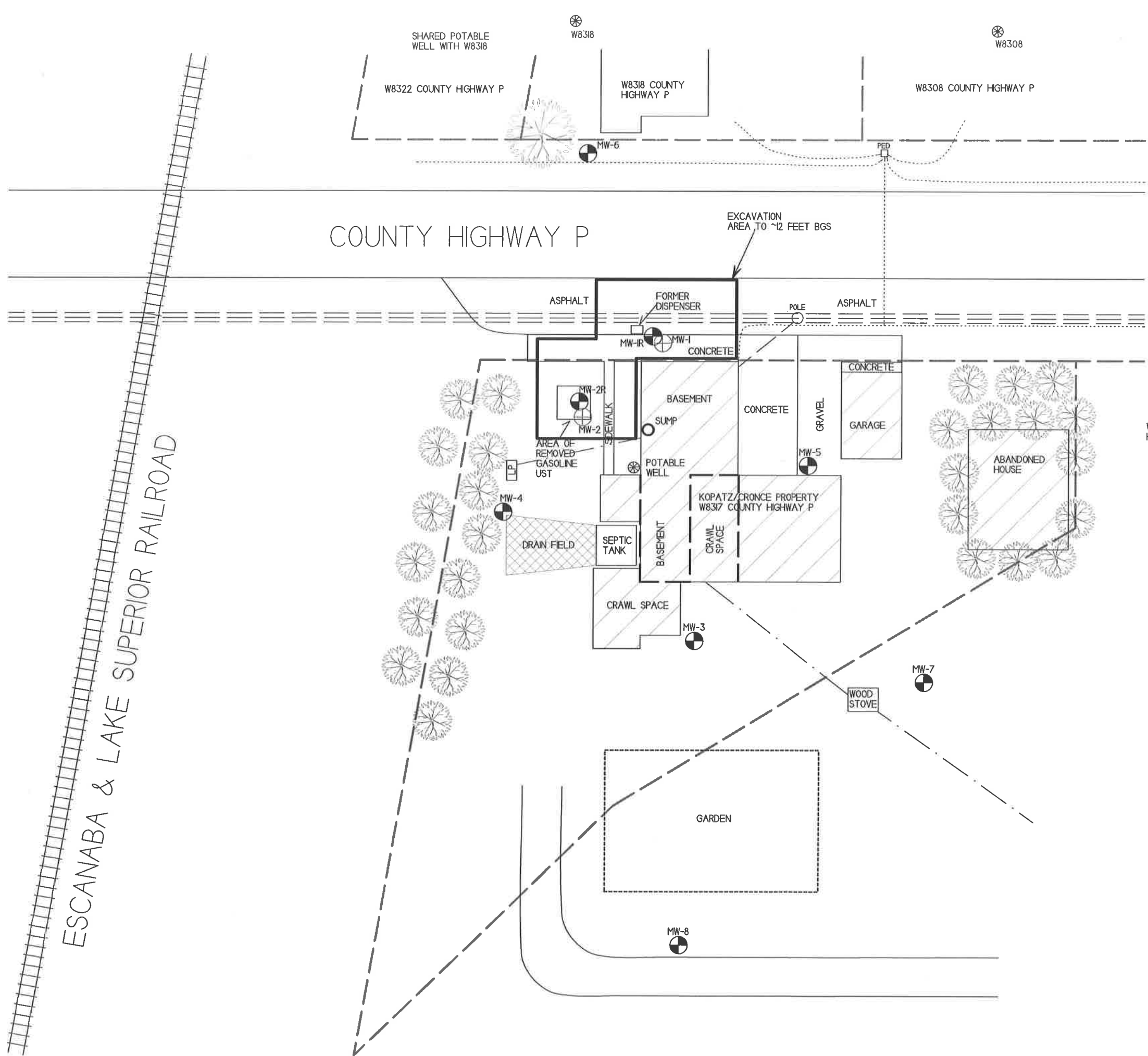
B.3.c.3 GROUND WATER FLOW DIRECTION (5/20/2019)		
KOPATZ/CRONCE PROPERTY		
<p>709 Gillette Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-4075 Fax: (608) 781-8953</p>	<p>BEAVER, WISCONSIN</p> <p>DRAWN BY: ED 07/15/2019 UPDATED BY: BH 06/29/2019</p>	

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

- ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
- ◆ - INDOOR AIR SAMPLE LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊙ - POTABLE WELL LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊖ - ABANDONED MONITORING WELL LOCATION
- ⊗ - SOIL EXCAVATION SAMPLE LOCATION

□ - AREA OF SOIL EXCAVATION TO ~12 FEET BGS

- - - - - WATER LINE
- - - - - GAS LINE
- - - - - OVERHEAD ELECTRIC LINE
- - - - - TELEPHONE/CABLE LINE
- - - - - PROPERTY BOUNDARY



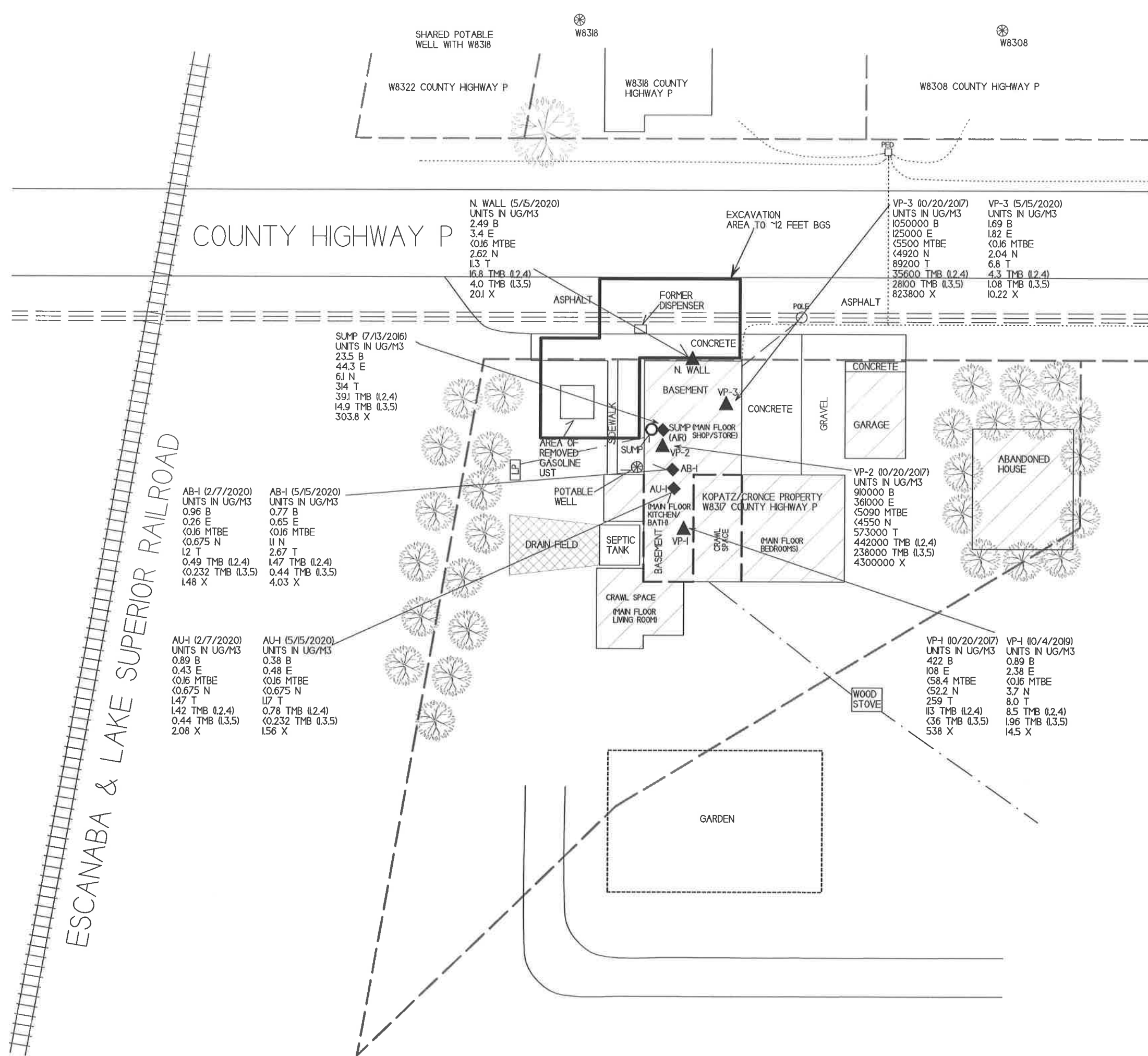
SCALE:
1 INCH = 30 FEET
0 15 30

B.3.d MONITORING WELL LOCATIONS	
KOPATZ/CRONCE PROPERTY	
 709 Gillette Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893	BEAVER, WISCONSIN DRAWN BY: ED 07/15/2002 UPDATED BY: MW 02/28/2009

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

- ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
- ◆ - INDOOR AIR SAMPLE LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊗ - POTABLE WELL LOCATION
- ⊕ - MONITORING WELL LOCATION (PROPOSED TO BE ABANDONED)
- ⊖ - ABANDONED MONITORING WELL LOCATION
- ⊗ - SOIL EXCAVATION SAMPLE LOCATION

- W8305
- AREA OF SOIL EXCAVATION TO ~12 FEET BGS
- WATER LINE
- GAS LINE
- OVERHEAD ELECTRIC LINE
- TELEPHONE/CABLE LINE
- PROPERTY BOUNDARY



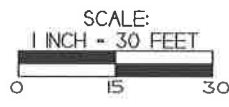
B.4.a VAPOR INTRUSION MAP

KOPATZ/CRONCE PROPERTY

709 Gillette Street, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8853

BEAVER, WISCONSIN

DRAWN BY: ED 07/13/2022
UPDATED BY: RW 2/27/2020



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

- B - BENZENE
- E - ETHYLBENZENE
- MTBE - METHYL-TERT-BUTYL-ETHER
- N - NAPHTHALENE
- T - TOLUENE
- TMB (1.2.4) - TRIMETHYLBENZENE (1.2.4)
- TMB (1.3.5) - TRIMETHYLBENZENE (1.3.5)
- X - XYLENE

PLEASE NOTE THAT THE BASEMENT WAS NOT CLEANED OF AEROSOL CANS AND OTHER VAPOR SOURCES PRIOR TO OCTOBER 20, 2017 VAPOR SAMPLES BEING TAKEN.

- ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
- ◆ - INDOOR AIR SAMPLE LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊗ - POTABLE WELL LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊖ - ABANDONED MONITORING WELL LOCATION
- ⊗ - SOIL EXCAVATION SAMPLE LOCATION

□ - AREA OF SOIL EXCAVATION TO ~12 FEET BGS

- — — — — WATER LINE
- · — · — · — GAS LINE
- — — — — OVERHEAD ELECTRIC LINE
- · — · — · — TELEPHONE/CABLE LINE
- - - - - PROPERTY BOUNDARY

ESCANABA & LAKE SUPERIOR RAILROAD

B.5 Structural Impediment Photos



Image looking southwest.



Image looking southeast.

B.5 Structural Impediment Photos



Image looking southwest.



Image looking southeast.

Attachment C/Documentation of Remedial Action

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

- Site Investigation Report – November 17, 2015
- Letter Report – January 9, 2017
- Letter Report – September 4, 2018
- Letter Report – August 29, 2019
- Case Closure Request – March 20, 2020

On May 15-16, 2020, REI Engineering of Wausau, WI collected two 24-hour indoor air samples for PVOC and Naphthalene (TO-15) analysis (One sample was collected in the basement (AB-1) and one sample was collected on the main floor (AU-1). Sub slab vapor sampling was also attempted in vapor ports VP-2 and VP-3 as the last several attempts have had water come up through the sampling ports. Vapor port VP-3 was able to be sampled at this time for PVOC and Naphthalene (TO-15) analysis, however vapor port VP-2 was full of water and unable to be sampled. Due to VP-2 not being sampled and that a good seal could not be placed over the sump (due to its construction) to obtain a vapor sample, a sampling port was placed in the north wall of the basement 30 inches above the floor and 30-minute vapor sample collected (N. Wall) for PVOC and Naphthalene analysis. Attached are field notes, photos, and laboratory report.

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.1



Project No. 7396 Made By AD 5/15-16/20
 Client METCO Checked By _____
 Project KOPATZ PROPERTY Sheet No. 1 of 1
 Description VAPOR SAMPLING - FIELD NOTES



ON SITE 10:15 AM 5/15 - DENNIS KOPATZ ON SITE
 - SUMP PUMP NOT WORKING - RE-CONNECTED HOSE, WATER PUMPED TO
 ~ 16" BELOW BASEMENT SLAB

BASEMENT - AMBIENT AIR

O₂ - 20.9%
 CO - 0 PPM
 LEL - 0%
 H₂S - 0.0 PPM
 VOC - 0 PPM

SYMMA AB-1

CAN # 5510
 FC # 5455
 START TIME 5/15 - 10:57 AM
 START VAC - 29
 END TIME 5/16 - 10:55 AM
 END VAC - 1

KITCHEN AMBIENT

O₂ - 20.9%
 CO - 0 PPM
 LEL - 0%
 H₂S - 0.0 PPM
 VOC - 0 PPM

SYMMA AU-1

CAN # 5622
 FC # 5499
 START TIME 5/15 - 11:05
 START VAC - 29
 END TIME 5/16 - 11:00
 END VAC - 0

UP-3

O₂ - 20.9%
 CO - 0 PPM
 LEL - 2%
 H₂S - 0 PPM
 VOC - 0 PPM

CAN # 5623
 START VAC - 28
 START TIME - 10:54
 END TIME - 11:10
 END VAC - 0

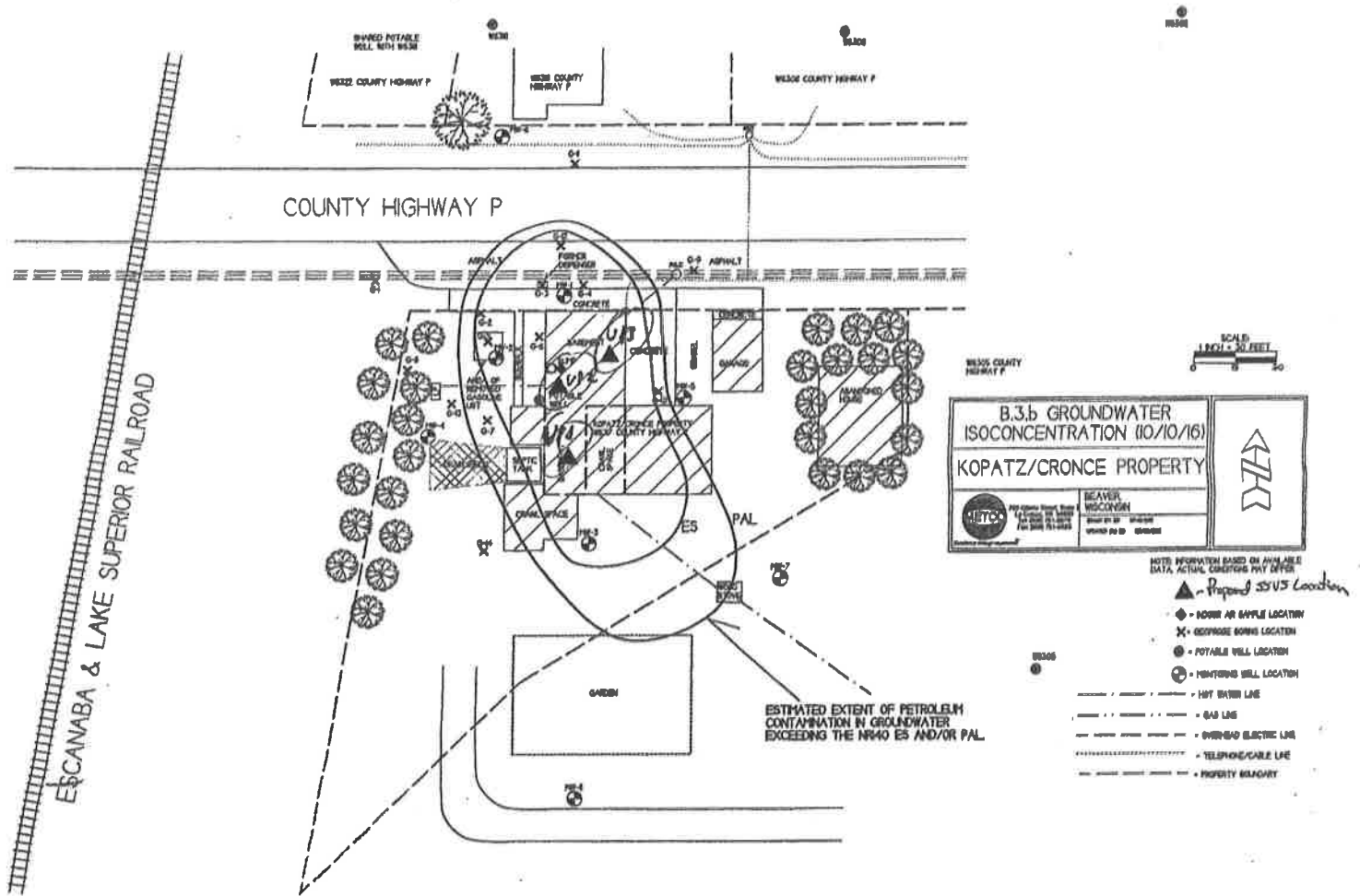
UP-2 FULL OF WATER - HOLE DRILLED IN N. WALL CENTER, 30" ABOVE FLOOR
 INSERT VAPOR PIN WITHIN SLEEVE, SEALED W/ WAX

O₂ - 20.9%
 CO - 0 PPM
 LEL - 0%
 H₂S - 0 PPM
 VOC - 0 PPM

N. WALL
 CAN # 5636
 START VAC - 28
 START TIME - 11:37
 END VAC - 0
 END TIME - 11:52



C.1



B.3.b GROUNDWATER ISOCONCENTRATION (10/10/16)
KOPATZ/CRONCE PROPERTY

BEAVER WISCONSIN
Plot No. 10 10/10/16
Version No. 01 08/2016

NETCO
1000 North Street, Suite 100
Fond du Lac, WI 54601
Tel: 920.251.1000

SCALE
1 INCH = 30 FEET

- NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.
- ▲ - Proposed SSVS Location
 - - ROOM AIR SAMPLE LOCATION
 - X - GEOPHASE BORING LOCATION
 - - POTABLE WELL LOCATION
 - ⊙ - MONITORING WELL LOCATION
 - - - - - HOT WATER LINE
 - - - - - GAS LINE
 - - - - - OVERHEAD ELECTRIC LINE
 - - - - - TELEPHONE/CABLE LINE
 - - - - - PROPERTY BOUNDARY

C.1

COUNTY HIGHWAY P

North Wall vapor sample

WISCONSIN COUNTY HIGHWAY P

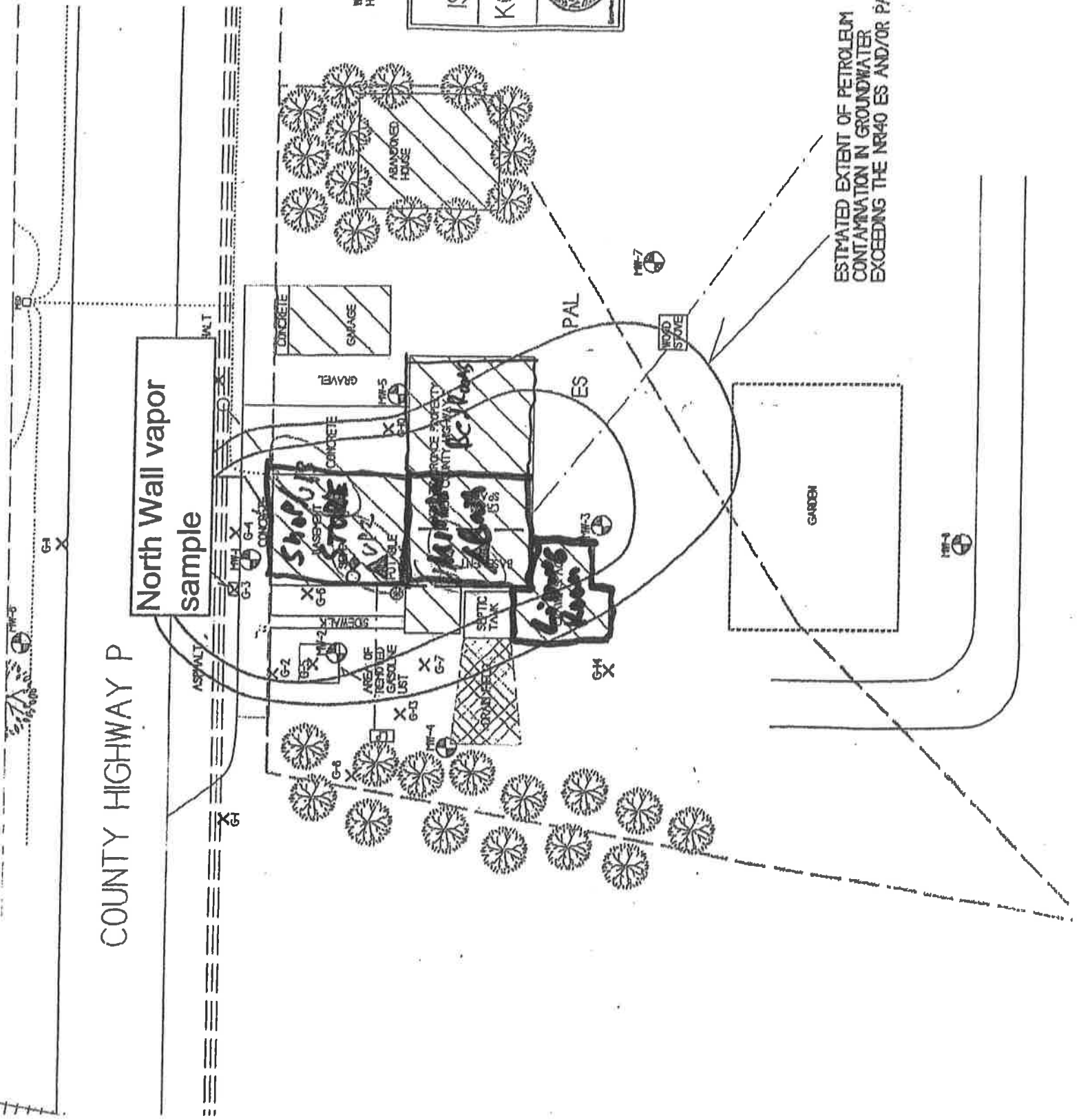
B.3.b GROUNDWATER ISOCONCENTRATION (10/1) KOPATZ/CRONCE PROPE



708 Gillette Street, Suite 1
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8855

BEAVER, WISCONSIN
OWNER P.C. ID: 074372C
WORKED BY: ID: 0740922C

NOTE
DATE:



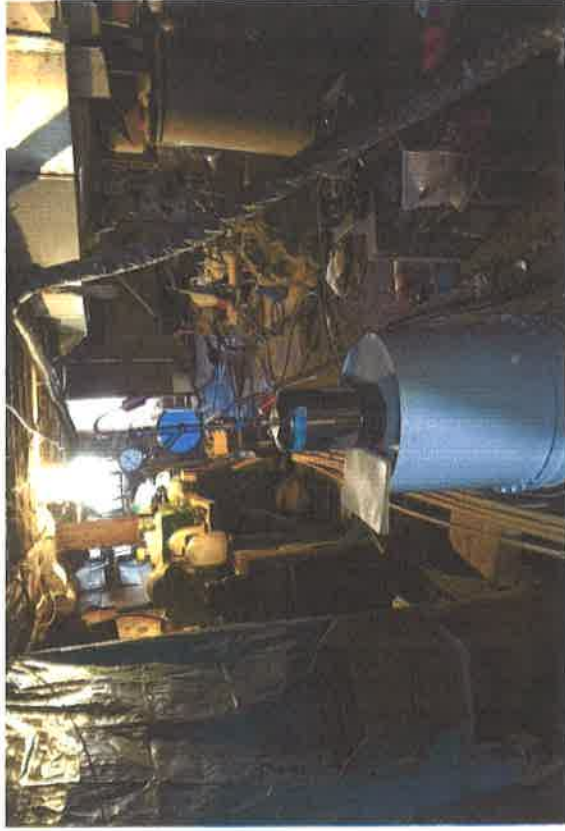
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR40 ES AND/OR PAL

WISCONSIN

C.1



Crawl space under living room



Ambient air sample in basement (AB-1)



Sump pump/sump pit



Sampling VP3

C.1



Drilling hole through north wall



Vapor pin location



Water in VP2



Vapor pin installed in north wall

C.1



Sampling North Wall



Vapor pin borehole sealed with wax

C.1

Synergy Environmental Lab, INC

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

ANDY DELFORGE
REI
4080 N. 20TH AVENUE
WAUSAU, WI 54401

Report Date 21-May-20

Project Name KOPATZ/CRIVITZ
Project # 7346
Lab Code 5037917A
Sample ID VP-3
Sample Matrix Air
Sample Date 5/15/2020

Invoice # E37917

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Benzene	1.69	ug/m3	0.136	0.433	1	TO-15		5/20/2020	CJR	1
Ethylbenzene	1.82	ug/m3	0.203	0.645	1	TO-15		5/20/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		5/20/2020	CJR	1
Naphthalene	2.04 "j"	ug/m3	0.675	2.15	1	TO-15		5/20/2020	CJR	1
Toluene	6.8	ug/m3	0.184	0.585	1	TO-15		5/20/2020	CJR	1
1,2,4-Trimethylbenzene	4.3	ug/m3	0.283	0.899	1	TO-15		5/20/2020	CJR	1
1,3,5-Trimethylbenzene	1.08	ug/m3	0.232	0.739	1	TO-15		5/20/2020	CJR	1
m&p-Xylene	7.4	ug/m3	0.377	1.2	1	TO-15		5/20/2020	CJR	1
o-Xylene	2.82	ug/m3	0.218	0.695	1	TO-15		5/20/2020	CJR	1

C.1

Project Name KOPATZ/CRIVITZ
Project # 7346

Invoice # E37917

Lab Code 5037917B
Sample ID N. WALL
Sample Matrix Air
Sample Date 5/15/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Benzene	2.49	ug/m3	0.136	0.433	1	TO-15		5/20/2020	CJR	1
Ethylbenzene	3.4	ug/m3	0.203	0.645	1	TO-15		5/20/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		5/20/2020	CJR	1
Naphthalene	2.62	ug/m3	0.675	2.15	1	TO-15		5/20/2020	CJR	1
Toluene	11.3	ug/m3	0.184	0.585	1	TO-15		5/20/2020	CJR	1
1,2,4-Trimethylbenzene	16.8	ug/m3	0.283	0.899	1	TO-15		5/20/2020	CJR	1
1,3,5-Trimethylbenzene	4.0	ug/m3	0.232	0.739	1	TO-15		5/20/2020	CJR	1
m&p-Xylene	12.9	ug/m3	0.377	1.2	1	TO-15		5/20/2020	CJR	1
o-Xylene	7.2	ug/m3	0.218	0.695	1	TO-15		5/20/2020	CJR	1

Lab Code 5037917C
Sample ID AB-1
Sample Matrix Air
Sample Date 5/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Benzene	0.77	ug/m3	0.136	0.433	1	TO-15		5/20/2020	CJR	1
Ethylbenzene	0.65	ug/m3	0.203	0.645	1	TO-15		5/20/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		5/20/2020	CJR	1
Naphthalene	1.1 "J"	ug/m3	0.675	2.15	1	TO-15		5/20/2020	CJR	1
Toluene	2.67	ug/m3	0.184	0.585	1	TO-15		5/20/2020	CJR	1
1,2,4-Trimethylbenzene	1.47	ug/m3	0.283	0.899	1	TO-15		5/20/2020	CJR	1
1,3,5-Trimethylbenzene	0.44 "J"	ug/m3	0.232	0.739	1	TO-15		5/20/2020	CJR	1
m&p-Xylene	2.64	ug/m3	0.377	1.2	1	TO-15		5/20/2020	CJR	1
o-Xylene	1.39	ug/m3	0.218	0.695	1	TO-15		5/20/2020	CJR	1

Lab Code 5037917D
Sample ID AU-1
Sample Matrix Air
Sample Date 5/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Benzene	0.38 "J"	ug/m3	0.136	0.433	1	TO-15		5/20/2020	CJR	1
Ethylbenzene	0.48 "J"	ug/m3	0.203	0.645	1	TO-15		5/20/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		5/20/2020	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		5/20/2020	CJR	1
Toluene	1.17	ug/m3	0.184	0.585	1	TO-15		5/20/2020	CJR	1
1,2,4-Trimethylbenzene	0.78 "J"	ug/m3	0.283	0.899	1	TO-15		5/20/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		5/20/2020	CJR	1
m&p-Xylene	1.04 "J"	ug/m3	0.377	1.2	1	TO-15		5/20/2020	CJR	1
o-Xylene	0.52 "J"	ug/m3	0.218	0.695	1	TO-15		5/20/2020	CJR	1

C.1

Project Name KOPATZ/CRIVITZ
Project # 7346

Invoice # E37917

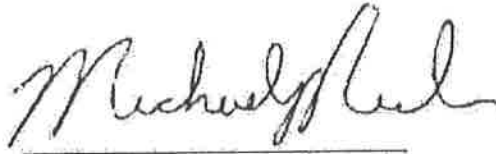
"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Code *Comment*

1 Laboratory QC within limits.

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

Authorized Signature



CHAIN OF STUDY RECORD

Chain # No 40714

Page 1 of 1

Synergy
Environmental Lab, Inc.

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

Sample Handling Request

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

Lab I.D. # _____
QUOTE #: _____
Project #: 7346
Sampler: (signature) _____

Project (Name / Location): VOLTZ/C.V.T.Z

Reports To: Andy DeBoer
Company: PEE
Address: 480 N. 20th Ave
City State Zip: Waukegan, WI 54981
Phone: 715-635-4787
Email: ADEBOER@PEEINC.COM

Invoice To: AP
Company: PEI
Address: _____
City State Zip: _____
Phone: _____
Email: ALEXANDER@PEIINC.COM

Analysis Requested	Other Analysis
DRO (Mod DRO Sep 95)	
GRO (Mod GRO Sep 95)	
LEAD	
NITRATE/NITRITE	
OIL & GREASE	
PAH (EPA 8270)	
PGB	
PVOC (EPA 8021)	
PVOC + NAPHTHALENE	
SULFATE	
TOTAL SUSPENDED SOLIDS	
VOC DW (EPA 824.2)	
VOC (EPA 8260)	
VOC AIR (TO - 15)	
8-PCRA METALS	
PID/ FID	

Lab I.D.	Sample I.D.	Collection Date	Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)	Preservation
5037917A	VP-3	5/10/20	11:10	F	1	A	-
B	N. 4th	5/10/20	11:52	F	1	A	-
C	AB-1	5/16/20	10:55	F	1	A	-
D	AA-1	5/16/20	11:20	F	1	A	-

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

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

Relinquished By: (sign) _____ Time: 5/10/20 11:00 AM
Received By: (sign) _____ Time: 13:00
Date: 5/20/20

Received in Laboratory By: D. J. R. Date: 5/20/20

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. – No Cap Maintenance Plan required

D.2 Location map(s) – No Cap Maintenance Plan required

D.3 Photographs – No Cap Maintenance Plan required

D.4 Inspection log – No Cap Maintenance Plan required

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 – No Certified Survey Map available so the Assessors Plat #1, Town of Beaver, has been included.

F.3 Verification of Zoning

F.4 Signed Statement

F.I. Deeds

DOCUMENT NO.

AFFIDAVIT OF CORRECTION

THIS FORM IS INTENDED TO CORRECT SCRIVENER'S ERRORS.

THIS FORM SHOULD NOT BE USED FOR THE FOLLOWING PURPOSES WITHOUT THE NOTARIZED SIGNATURES OF THE GRANTOR/GRANTEE*

- Altering boundary lines
- Adding property
- Altering title/ownership
- Deleting property

DOC. #: 611710

Recorded
MAR. 28, 2001 AT 03:00PM

MELANIE I HUENPFNER
MARINETTE COUNTY
REGISTER OF DEEDS

Fee Amount: \$14.00

RECORDING AREA

NAME AND RETURN ADDRESS

Wilson, Schwaba & Spangenberg, S. C.
P. O. Box 376
Marinette, WI 54143

14-

Pin: 006-01559,000

The correction is as follows (if more space is needed, please attach an addendum):

Description is correct on deed, however, the following line should have been added:

"Being Outlot 20 and part of Outlot 21, Assessors Plat #1, Town of Beaver."

A complete original or copy of the original document should be attached.

Dated this 26th day of March, 2001.

Gerald L. Wilson
Affiant's Signature (type name below)

* Gerald L. Wilson

Grantee's Signature (type name below)

*

Grantor's Signature (type name below)

*

Grantee's Signature (type name below)

*

Grantor's Signature (type name below)

*

STATE OF WISCONSIN
COUNTY OF MARINETTE)SS.

Subscribed and sworn to (or affirmed) before me this 26th day of March, 2001.

Nancy Schnitzler
Nancy Schnitzler (type name below)

Notary Public, State of Wisconsin
My Commission (expires) ~~8/5~~ November 17, 2002

Drafted by: Atty. Gerald L. Wilson, Marinette, WI

F.I. Deeds

DOC. #: 611710

QUIT CLAIM DEED

DOC. #: 608490

Document No.:

Recorded
DEC. 18, 2000 AT 03:00PM

MELANIE I MUEFFNER
MARINETTE COUNTY
REGISTER OF DEEDS
Fee Amount: \$12.00
Fee Exempt 77.25-(B)

CARRIE JO KOPATZ, a single person, and CRAIG ALLEN KOPATZ, a single person, Grantors;

QUIT CLAIM to DENNIS J. KOPATZ, a single person, Grantee,

For the sum of: One Dollar (\$1.00) and other good and valuable consideration,

The following described real estate in Marinette County, State of Wisconsin:

Return to:

Carrie Kopatz 12-
N4920 Hwy 180
Marinette WI 54143

Tax Parcel No.: 006-01559-000



That part of the North-East Quarter of the North-West Quarter (NE1/4 NW1/4) of Section 28, Township 31 North, Range 20 East, described as: Commencing at a point on the North line of said North-East Quarter of the North-West Quarter (NE1/4 NW1/4) at the intersection of the East line of the right-of-way of the C.M.St.P. & P. Ry. and running East along said North line 40 feet; thence running South at right angles to said North line, 133.5 feet; thence running Southwesterly, 104.8 feet to the said East right-of way line; thence running Northerly along said right-of-way line, 211.4 feet to the place of beginning, however, excepting therefrom all lands heretofore sold or given and now in use for a public highway.

ALSO

That part of the North-East Quarter of the North-West Quarter (NE1/4 NW1/4) of Section 28, Township 31 North, Range 20 East, described as: Commencing at a point 40 feet East of the intersection of the South line of highway along the North line of said Section 28 and the East line of the right-of-way of the C.M.St.P. & P. Ry.Co.; thence running East along said South line of highway 138 feet; thence South, 50 feet; thence running Southwesterly 161.5 feet to a point South of the place of beginning; thence running North 133.5 feet to the place of beginning, however, excepting therefrom that part heretofore sold under date of January 10, 1956, and which Warranty Deed is recorded in the office of the Register of Deeds for Marinette County on date of January 11, 1956, and recorded in Volume 225 Deeds page 487, #281546, and excepting all lands heretofore sold or given and now in use for public highway.

Subject to roadways, easements, restrictions and reservations of record, if any.

This is not homestead property.

Dated this 25 day of November, 2000.

Carrie Jo Kopatz (SEAL)
Carrie Jo Kopatz

Craig Allen Kopatz (SEAL)
Craig Allen Kopatz

STATE OF WISCONSIN)
MARINETTE COUNTY) ss.

Personally came before me this 25 day of November, 2000, the above named CARRIE JO KOPATZ, a single person, and CRAIG ALLEN KOPATZ, a single person, to me known to be the persons who executed the foregoing instrument and acknowledge the same.

Mary Mueffner
Notary Public, Marinette County, Wis.
My commission is permanent. (If not, state expiration date: 2-2-03)

F.L. Deeds

DOC. #: 611710

~~DOC. #: 600490~~

This instrument drafted by:

Attorney Gerald L. Wilson (1014164) (ns)
WILSON, SCHWABA & SPANGENBERG, S.C.
1745 Stephenson Street
P. O. Box 376
Marinette, Wisconsin 54143
Telephone: (715) 735-6671
Printed on Recycled Paper
Kopatz to Kopatz.QCD

F. 2 Certified Survey Map

30061

PG. (or)

ASSESSORS PLAT NO. 1 To the Town of BEAVER Marinette County Wisconsin

Drawn by A. J. Hall
Scale 100' = 1" = 11"

MARINETTE, MARINETTE CO., WIS.
Returned for filing the 1st day of
August 1946 at 4:25
P.M. and recorded in Vol.
2 of Plats on page 13
Paul J. Schaefer
County Clerk

The land embraced in the annexed PLAT is as follows:
The South Half (S $\frac{1}{2}$) of SE $\frac{1}{4}$ SW $\frac{1}{4}$; The South Half (S $\frac{1}{2}$) of SW $\frac{1}{4}$ SE $\frac{1}{4}$
of Section 21, Town 31 North of Range 20 East
AND
The North Half (N $\frac{1}{2}$) of NW $\frac{1}{4}$ NE $\frac{1}{4}$; The North Half (N $\frac{1}{2}$) of NE $\frac{1}{4}$ NW $\frac{1}{4}$
of Section 28, Town 31 North of Range 20 East

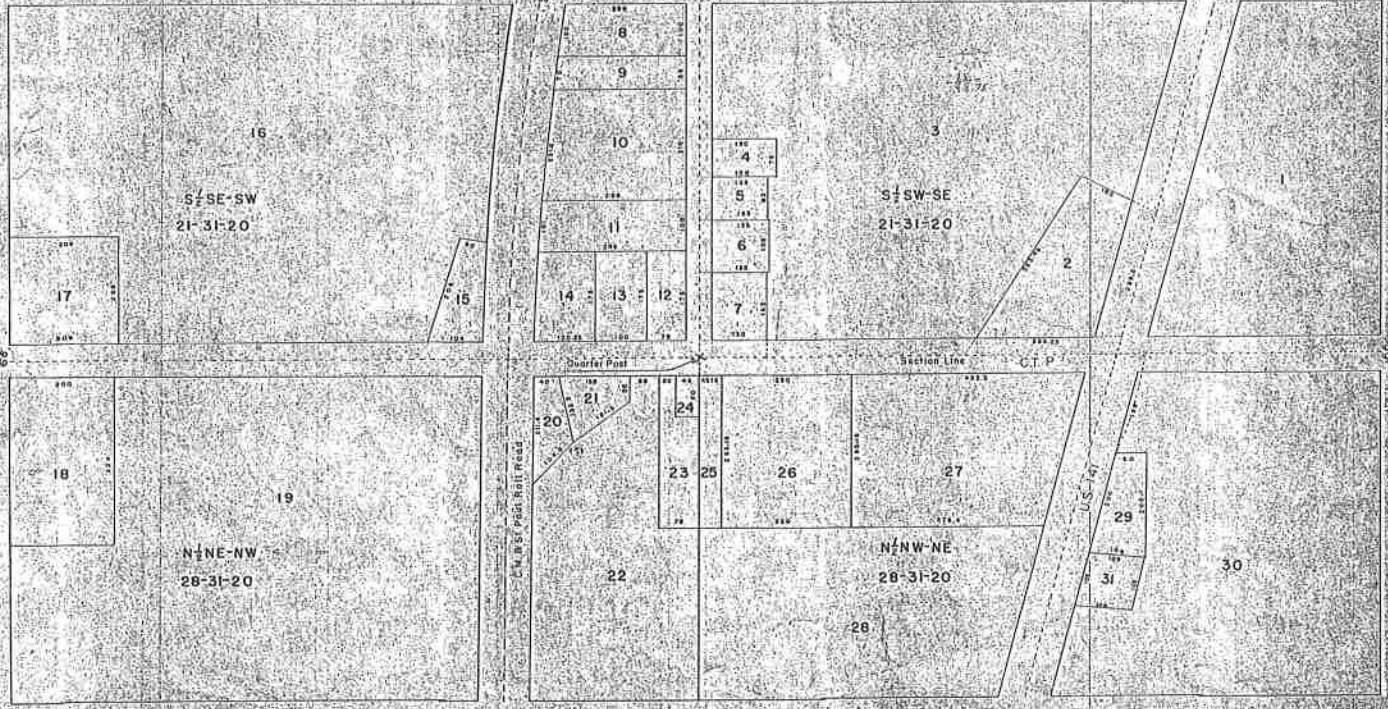
This PLAT was approved by the TOWN board of BEAVER
At a meeting held on July 8, 1946

Paul J. Schaefer
Town Clerk

Plat. Cat. No. 96
State of Wisconsin
Marinette County
I do hereby certify that I have examined
with the provisions of Chapter 7027
of the Wisconsin Statutes, in con-
veying and marking the annexed Plat.
In testimony whereof, I have hereunto
set my hand this 10th day of May 1946
Walter D. Hall
Subscribed and sworn to before me
this 10th day of May 1946
B. M. State
Notary Public, Marinette County, Wis.
My commission expires Jan. 31, 1947



I hereby certify that from examination
of the plat, returned and qualified by me
to the Town of Beaver and that the land
embraced in the Town of Beaver
Marinette County Wisconsin
Paul J. Schaefer
County Clerk
Marinette County
Wisconsin



F.3. verification of zoning



Marinette County Land Records System Parcel Detail Sheet

Owner data last updated: 12/23/2019

Parcel Number: 006-01559.000

Site Address: W8317 COUNTY ROAD P

Owner Information: KOPATZ DENNIS J
KOPATZ DENNIS J LE

Mailing Address: W8317 COUNTY ROAD P
CRIVITZ, WI 54114-7330

Tax Jurisdiction: TOWN OF BEAVER
School District: COLEMAN
Vocational District: NWTC
Other (if any):

Section	Town	Range
28	31	20

Plat/CSM: AP 1 TOWN OF BEAVER

Lot: 20 **Block:**

Document Number: 611710

Jacket/Volume: **Image/Page:**

Abbreviated Legal Description

ASSESSORS PLAT 1

OUTLOTS 20 & 21 EX 225D487

Acres

0.44

Assessment Year: 2019					Tax Year: 2019		
Land	Forest Crop Land	Improvements	Total Assessed Value	Fair Market Value			
6500	0	24300	30800	31900	Net Tax	489.42	
Assessment Breakdown			Acres	Land	Improvements	Special Use* (+)	0
RESIDENTIAL			0.44	6500	24300	Lottery Credit (-)	189.43
						First Dollar Credit (-)	68.27
						Total Tax	231.72

* Special Use may include omitted tax, PFC/MFL, special assessments or special charges.

F.3. Verification of Zoning



**Marquette County Land Records System
Parcel Detail Sheet**

Owner data last updated: 12/23/2019

Parcel Number: 006-01560.000

Site Address: W8309 COUNTY ROAD P

Owner Information: KOPATZ DENNIS

**Mailing Address:
W8317 COUNTY ROAD P
GRIVITZ, WI 54114-1730**

**Tax Jurisdiction: TOWN OF BEAVER
School District: COLEMAN
Vocational District: NWTC
Other (if any):**

Section	Town	Range
28	31	20

Plat/CSM: AP 1 TOWN OF BEAVER
Lot: 21 Block:
Document Number: 661589
Jacket/Volume: Image/Page:

Abbreviated Legal Description
ASSESSORS PLAT 1
PRT OUTLOT 21 COM NE COR; W
ALG S/L RD 40' S TO S/L NE

Acres
0.06

Assessment Year: 2019				
Land	Forest Crop Land	Improvements	Total Assessed Value	Fair Market Value
800	0	1000	1800	1900
Assessment Breakdown			Acres	Land
RESIDENTIAL			0.06	800

Tax Year: 2019	
Net Tax	28.6
Special Use* (+)	0
Lottery Credit (-)	0
First Dollar Credit (-)	17.95
Total Tax	10.65

* Special Use may include omitted tax, PFC/MFL, special assessments or special charges.

F.4. Signed Statement

WDNR BRRTS Case #: 03-72-097848

WDNR Site Name: Kopatz/Cronce Property

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:

Dennis Kopatz
(print name/title)

Dennis Kopatz
(signature) (date)

1-27-2020

Attachment G/Notifications to Owners of Affected Properties

G.A. Notification to the Right-Of-Way

G.1 Deed – No notification to any off-site deeded properties.

G.2 Certified Survey Map – No notification to any off-site deeded properties.

G.3 Verification of Zoning – No notification to any off-site deeded properties.

G.4 Signed Statement – No notification to any off-site deeded properties.

AFFECTED
A
PROPERTY

G.A. Notification to the Right-of-Way

RIGHT-OF-WAY

**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 Dennis Kopatz c/o Craig Kopatz

Contact Person Last Name Kopatz	First Craig	MI	Phone Number (include area code) (920) 819-6750	
Address N4510 Schacht Road		City Marinette	State WI	ZIP Code 54143
E-mail <u>kopatzc@yahoo.com</u>				

Name of Party Receiving Notification:

Business Name, if applicable: Marinette County - Highway Commissioner

Title Mr.	Last Name Burmeister	First Eric	MI	Phone Number (include area code) (715) 582-3771	
Address 501 Pine Street		City Peshtigo	State WI	ZIP Code 54157	

Site Name and Source Property Information:

Site (Activity) Name Kopatz/Cronce Property

Address W8317 County Highway P		City Beaver	State WI	ZIP Code 54114
DNR ID # (BRRTS#) 03-38-231379		(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) (608) 781-8879	
Address 709 Gillette St., Ste #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 625 E County Rd Y STE 700		City Oshkosh	State WI	ZIP Code 54901
Contact Person Last Name Verstegen	First Tom	MI	Phone Number (include area code) (920) 424-0025	
E-mail (Firstname.Lastname@wisconsin.gov) <u>Thomas.Verstegen@wisconsin.gov</u>				

AFFECTED
A
PROPERTY

G. A.

RIGHT-OF-WAY

**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

501 Pine Street
Peshtigo, WI, 54157

Dear Mr. Burmeister:

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 town of Beaver may become responsible. I investigated a release of:

Petroleum

on W8317 County Highway P, Beaver, WI, 54114 that has shown that contamination has migrated into the right-of-way for which county of Marinette 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: 625 E County Rd Y STE 700, Oshkosh, WI, 54901, or at Thomas.Verstegen@wisconsin.gov.

Residual Contamination:

Groundwater Contamination:

Groundwater contamination originated at the property located at: W8317 County Highway P, Beaver, WI, 54114.

The levels of Benzene, Naphthalene, and Trimethylbenzenes.

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

Soil Contamination:

Soil contamination remains at:

To the north of the building at W8317 County Highway P extending into the right-of-way of County Highway P.

The remaining contaminants include : Benzene, Naphthalene, and Trimethylbenzenes.

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 1,192.36 tons of petroleum contaminated soil and groundwater monitoring.

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

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

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A
PROPERTY

G.A.

RIGHT-OF-WAY

**Notification of Continuing Obligations
and Residual Contamination**

Form 4400-286 (9/15)

Residual Soil Contamination:

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

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

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

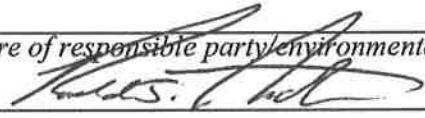
Depending on site-specific conditions, construction over contaminated soils or groundwater may result in vapor migration of contaminants into enclosed structures or migration along newly placed underground utility lines. The potential for vapor inhalation and means of mitigation should be evaluated when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

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>.

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 1/10/20
---	------------------------

Attachments

- Contact Information
- Legal Description for each Parcel:

G.A.

AFFECTED
A
PROPERTY

RIGHT-OF-WAY

W8302

SHARED POTABLE
WELL WITH W8318

W8318

W8308

W8322 COUNTY HIGHWAY P

W8318 COUNTY
HIGHWAY P

W8308 COUNTY HIGHWAY P

COUNTY HIGHWAY P

EXCAVATION
AREA TO ~12 FEET BGS

ESTIMATED EXTENT OF PETROLEUM
CONTAMINATION IN SOIL EXCEEDING
NR720 GROUNDWATER RCL VALUES.

ESTIMATED EXTENT OF PETROLEUM
CONTAMINATION IN SOIL EXCEEDING
NR720 GROUNDWATER RCL VALUES.

NOTE: SOIL BORING MW-4 SHOWED
LEAD EXCEEDANCES ONLY.

ASPHALT

FORMER
DISPENSER

EX-15

POLE

ASPHALT

CONCRETE

EX-18

BASEMENT

CONCRETE

CONCRETE

GRAVEL

GARAGE

ABANDONED
HOUSE

KOPATZ/CRONCE PROPERTY
W8317 COUNTY HIGHWAY P

AREA OF
REMOVED
GASOLINE
UST

POTABLE
WELL

SEPTIC
TANK

BASEMENT

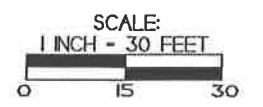
CRAWL
SPACE

CRAWL SPACE

WOOD
STOVE

GARDEN

W8305 COUNTY
HIGHWAY P



B.2.b RESIDUAL SOIL CONTAMINATION		↑
KOPATZ/CRONCE PROPERTY		
	709 Gillette Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8878 Fax: (608) 781-8893	BEAVER WISCONSIN DRAWN BY: ED 07/12/02 UPDATED BY: BH 06/29/09

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

- ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
- ◆ - INDOOR AIR SAMPLE LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊗ - POTABLE WELL LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊖ - ABANDONED MONITORING WELL LOCATION
- ⊗ - SOIL EXCAVATION SAMPLE LOCATION

W8305

□ - AREA OF SOIL EXCAVATION TO ~12 FEET BGS

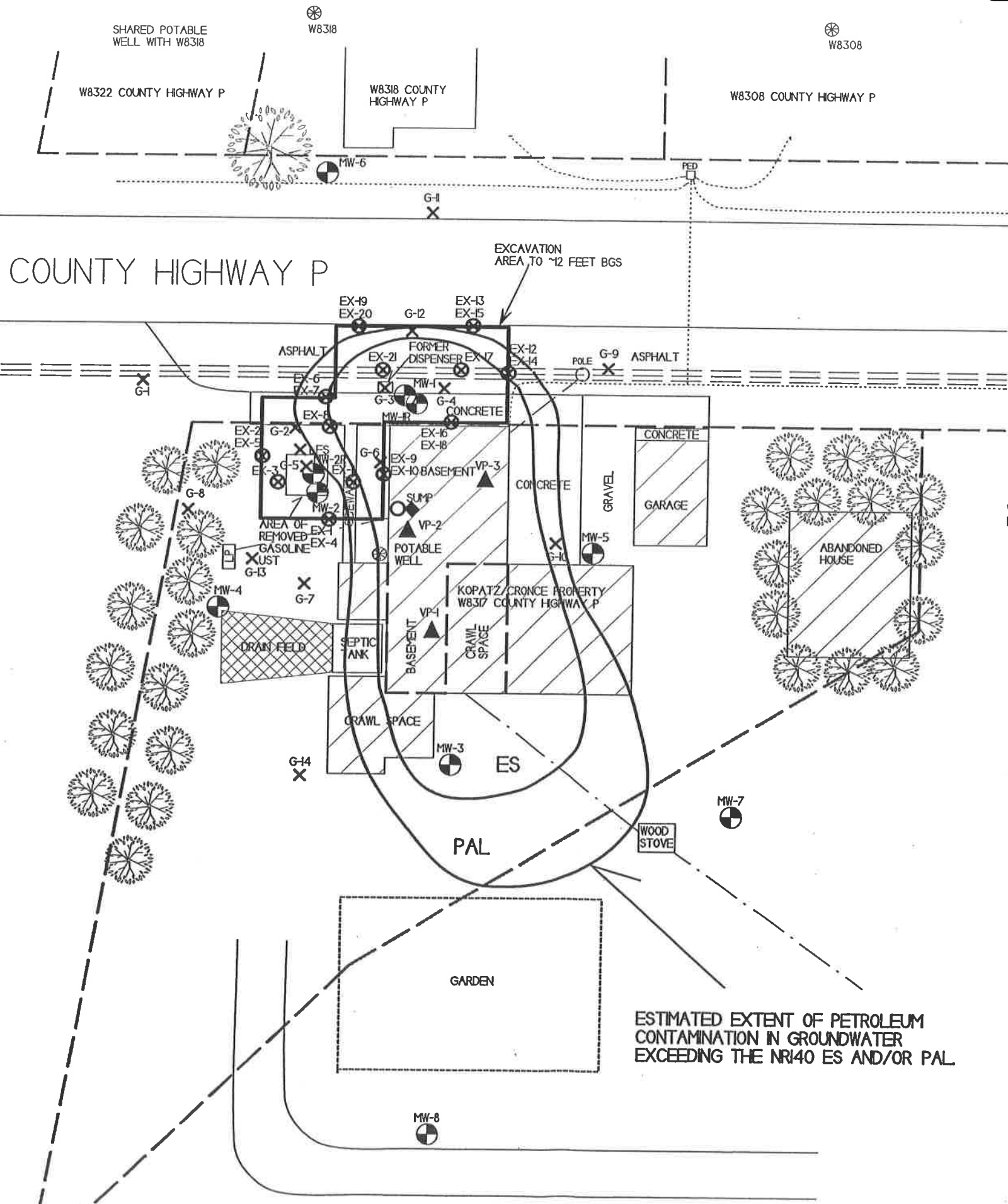
- - - - - WATER LINE
- - - - - GAS LINE
- - - - - OVERHEAD ELECTRIC LINE
- - - - - TELEPHONE/CABLE LINE
- - - - - PROPERTY BOUNDARY

ESCANABA & LAKE SUPERIOR RAILROAD

G.A.

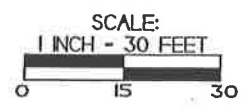
AFFECTED
A
PROPERTY

RIGHT-OF-WAY



W8302

ESCANABA & LAKE SUPERIOR RAILROAD



W8305 COUNTY HIGHWAY P

B.3.b GROUNDWATER ISOCONCENTRATION	
KOPATZ/CRONCE PROPERTY	
	709 Gillette Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8870 Fax: (608) 781-8893
BEAVER WISCONSIN	DRAWN BY: ED 07/12/2011 UPDATED BY: BK 08/29/2011

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

- ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
- ◆ - INDOOR AIR SAMPLE LOCATION
- ⊗ - GEOPROBE BORING LOCATION
- ⊗ - POTABLE WELL LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊕ - ABANDONED MONITORING WELL LOCATION
- ⊗ - SOIL EXCAVATION SAMPLE LOCATION

- ▭ - AREA OF SOIL EXCAVATION TO ~12 FEET BGS
- - - - - WATER LINE
- - - - - GAS LINE
- - - - - OVERHEAD ELECTRIC LINE
- - - - - TELEPHONE/CABLE LINE
- - - - - PROPERTY BOUNDARY

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

b.A. Notification to the Right-of-Way

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A
PROPERTY

RIGHT-OF-WAY

SENDER: COMPLETE THIS SECTION

COMPLETE THIS SECTION ON DELIVERY

- 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 Agent
 Addressee
 B. Received by (Printed Name) C. Date of Delivery
 Jessica Demler 1-16-20
 D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

Marinette County Highway
 Eric Barmeister
 501 Pine Street
 Peshtigo, WI 54157



9590 9403 0958 5223 6280 36

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Return Receipt for Merchandise
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

2. Article Number (Transfer from service label)

7015 1660 0000 4342 9350



July 20, 2020

AFFECTED
A
PROPERTY

RIGHT-OF-WAY

MARINETTE COUNTY
ERIC BURMEISTER – HIGHWAY COMMISSIONER
501 PINE STREET
PESHTIGO WI 54157

SUBJECT: Notice of Closure Approval with Continuing Obligations for Right-of-Way Holder for County Highway P, Town of Beaver, WI
Final Case Closure for Kopatz / Cronce Property, W8317 County Highway P, Town of Beaver, WI
DNR BRRTS Activity #: 03-38-231379
PECFA # 54114-7330-17A

Dear Mr. Burmeister:

The Department of Natural Resources (DNR) recently approved the completion of environmental work done at the Kopatz / Cronce Property site. This letter describes how that approval applies to the Right of Way (ROW) at County Highway P, in the Town of Beaver, WI. As the ROW holder, you are responsible for complying with these continuing obligations for any work you conduct in the ROW.

State law directs parties responsible for environmental contamination to take actions to restore the environment and minimize harmful effects. The law allows some contamination to remain in soil and groundwater if it does not pose a threat to public health, safety, welfare or to the environment.

On January 16, 2020, you received information from Ron Anderson, METCO, about the Petroleum Volatile Organic Compounds (PVOCs) contamination in the ROW that migrated from Kopatz / Cronce Property, located at W8317 County Highway P, Town of Beaver, WI, and about the continuing obligations. Continuing obligations are meant to limit exposure to any remaining contamination.

Applicable Continuing Obligations

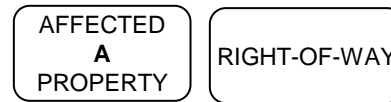
The continuing obligations that apply to this ROW are described below, and are consistent with Wis. Stat. § 292.12, and Wis. Admin. § NR 700 series.

- Groundwater contamination is present at or above ch. NR 140, Wis. Adm. Code enforcement standards.
- Residual soil contamination exists that must be properly managed should it be excavated or removed.

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

Closure Conditions

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



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

Groundwater contamination greater than enforcement standards is present on the source property and in the ROW, as shown on the attached map (Groundwater Isoconcentration, Figure B.3.b, August 29, 2019). If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval.

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

Soil contamination remains in ROW as indicated on the attached map (Residual Soil Contamination, Figure B.2.b, August 29, 2019). If soil in the ROW is excavated in the future, the ROW holder at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the ROW holder at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Contaminated soil may be managed in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval.

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

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

Send all written notifications in accordance with these requirements to:

Department of Natural Resources
Attn: Remediation and Redevelopment Program Environmental Program Associate
2984 Shawano Avenue
Green Bay, WI 54313

General Wastewater Permits for Construction Related Dewatering Activities

The DNR's Water Quality Program regulates point source discharges of contaminated water, including discharges to surface waters, storm sewers, pits, or to the ground surface. This includes discharges from construction related dewatering activities, including utility and building construction.

If you or any other person plan to conduct such activities in the ROW, you or that person must contact that program, and if necessary, apply for the necessary discharge permit. Additional information regarding discharge permits is available at dnr.wi.gov and search "wastewater permits". If residual soil or groundwater contamination is likely to affect water collected in a pit/trench that requires dewatering, a general permit for Discharge of Contaminated Groundwater from Remedial Action Operations may be needed. If water collecting in a pit/trench that requires dewatering is expected to be free of pollutants other than suspended solids and oil and grease, a general permit for Pit/Trench Dewatering may be needed.

Additional Information

Additional information about this case is available at the DNR's Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web (BOTW) at dnr.wi.gov and search "BOTW". Enter 03-38-231379 in the **Activity Number** field in the initial screen, then click on **Search**. Scroll down and click on the **CO Packet** link

July 20, 2020
Mr. Eric Burmeister - Marinette County Highway Commissioner
Notice of Closure Approval with Continuing Obligations for ROW Holders
Kopatz / Cronce Property – BRRTS # 03-38-231379

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A
PROPERTY

RIGHT-OF-WAY

for information about the completion of the environmental work. The site may also be seen on the map view, RR Sites Map. RR Sites Map can be found online at dnr.wi.gov and search “WRRD”.

Please contact Andy James, the DNR project manager, at (920) 662-5149 or andrew.james@wisconsin.gov with any questions or concerns.

Sincerely,



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

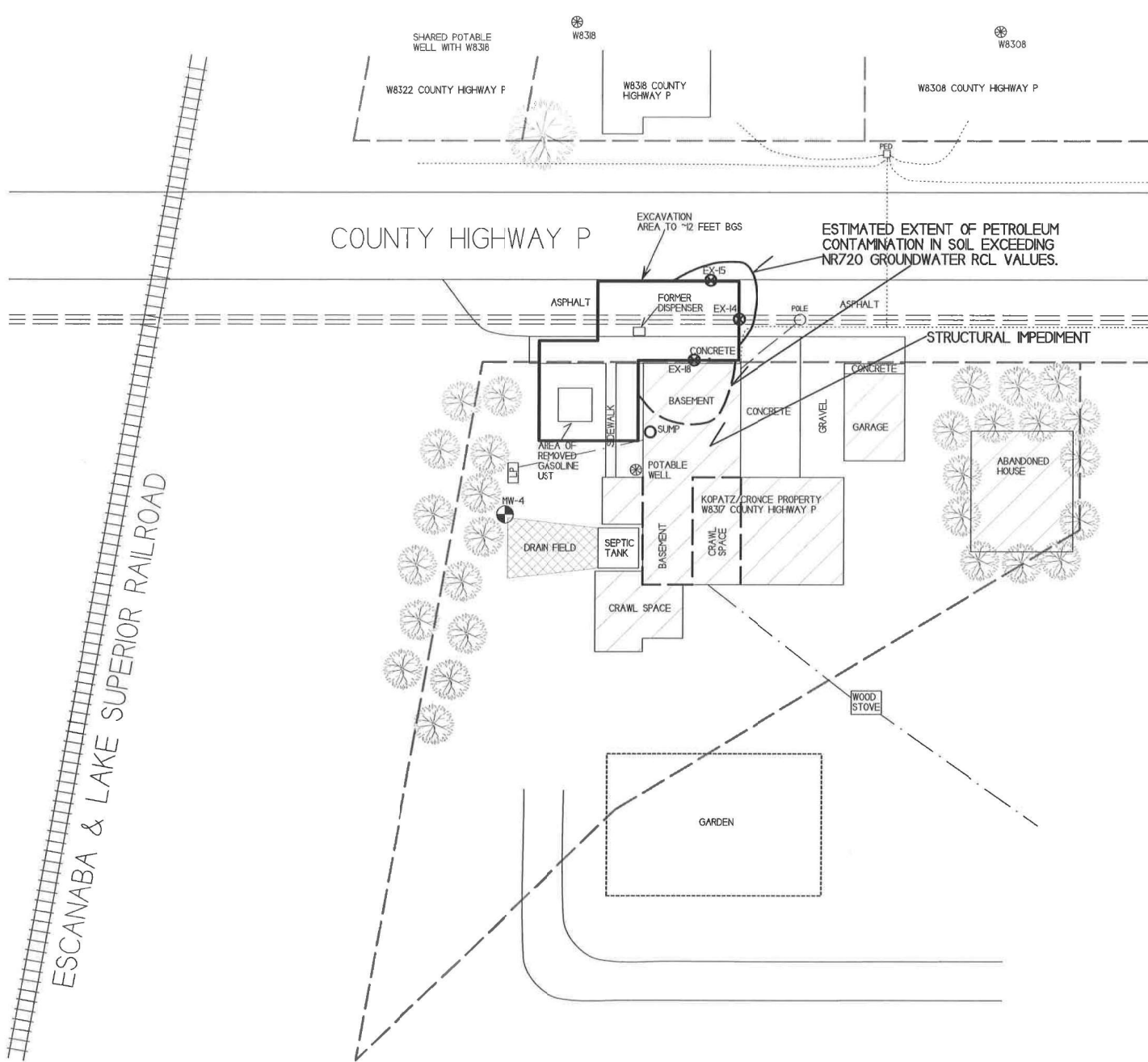
Attachments:

- Groundwater Isoconcentration, Figure B.3.b, August 29, 2019
- Residual Soil Contamination, Figure B.2.b, August 29, 2019

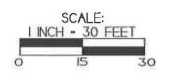
cc: Craig Kopatz - kopatz@yahoo.com
Ron Anderson, METCO - rona@metcohq.com

AFFECTED
A
PROPERTY

RIGHT-OF-WAY



W8305 COUNTY HIGHWAY P



<h3>B.2.b RESIDUAL SOIL CONTAMINATION</h3> <h4>KOPATZ/CRONCE PROPERTY</h4>		
<p>701 Gillette Street, Suite 3 La Crosse, WI 54601 Tel: (608) 781-8878 Fax: (608) 781-8853</p>	<p>BEAVER WISCONSIN</p> <p>ISSUED BY: ED 07/01/2002 REVISED BY: BR 05/29/2009</p>	

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

- ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
- ◆ - INDOOR AIR SAMPLE LOCATION
- ✕ - GEOPROBE BORING LOCATION
- ⊕ - POTABLE WELL LOCATION
- ⊙ - MONITORING WELL LOCATION
- ⊖ - ABANDONED MONITORING WELL LOCATION
- ⊗ - SOIL EXCAVATION SAMPLE LOCATION
- - AREA OF SOIL EXCAVATION TO ~12 FEET BGS
- — — — — - WATER LINE
- · - · - · - GAS LINE
- - - - - OVERHEAD ELECTRIC LINE
- · - · - · TELEPHONE/CABLE LINE
- - - - - PROPERTY BOUNDARY

AFFECTED
A
PROPERTY

RIGHT-OF-WAY

W8302

SHARED POTABLE
WELL WITH W8318

W8318

W8308

W8322 COUNTY HIGHWAY P

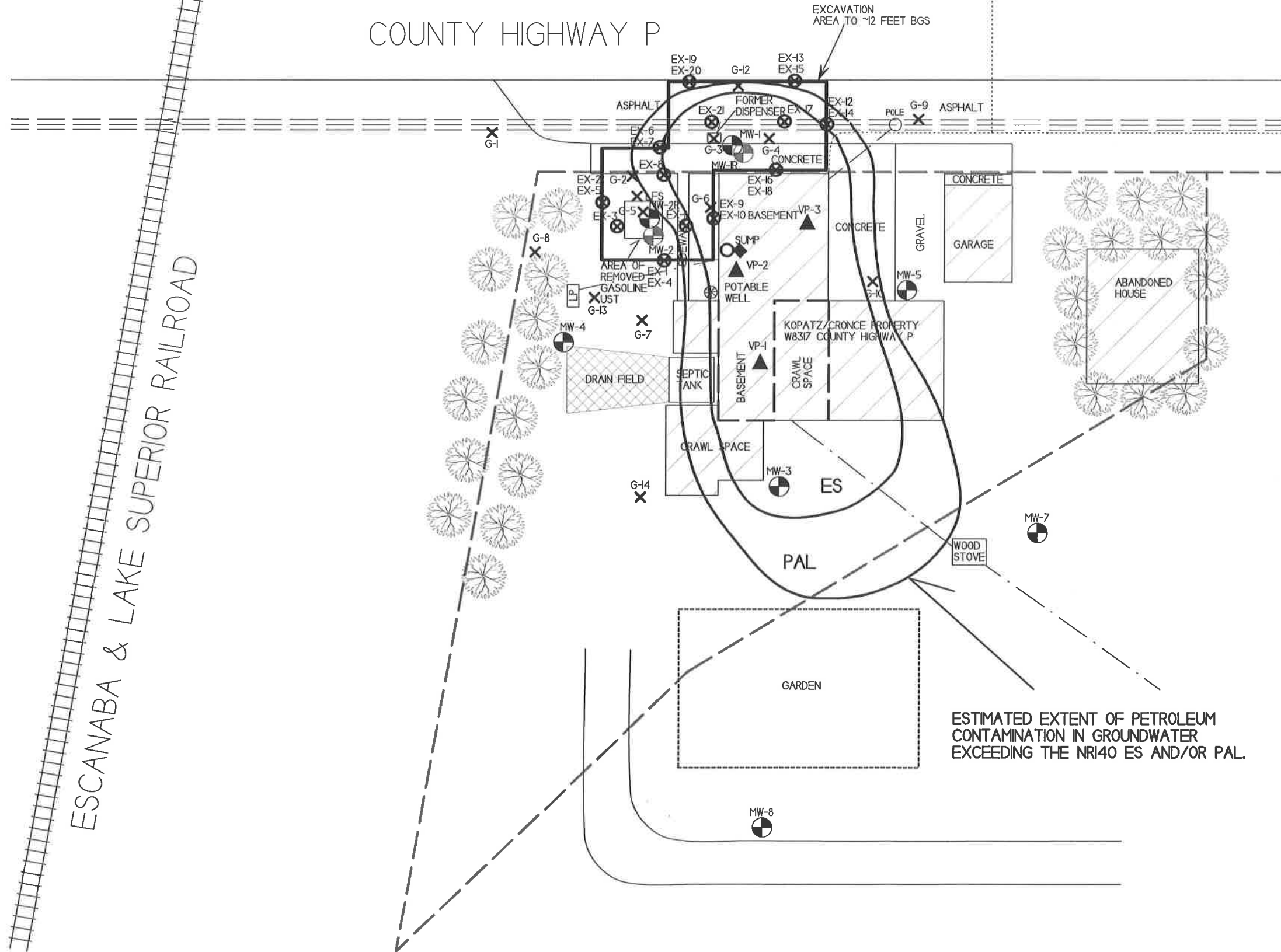
W8318 COUNTY
HIGHWAY P

W8308 COUNTY HIGHWAY P

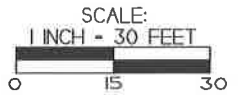
COUNTY HIGHWAY P

EXCAVATION
AREA TO ~12 FEET BGS

ESCANABA & LAKE SUPERIOR RAILROAD



W8305 COUNTY
HIGHWAY P



B.3.b GROUNDWATER ISOCONCENTRATION		↑
KOPATZ/CRONCE PROPERTY		
709 Gillette Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8503	BEAVER, WISCONSIN	
		DRAWN BY: ED 07/01/2002 UPDATED BY: BH 06/29/2009

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

- ▲ - SUB-SLAB VAPOR SAMPLE LOCATION
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- ⊙ - POTABLE WELL LOCATION
- ⊕ - MONITORING WELL LOCATION
- ⊖ - ABANDONED MONITORING WELL LOCATION
- ⊗ - SOIL EXCAVATION SAMPLE LOCATION

W8305
⊙

□ - AREA OF SOIL EXCAVATION TO ~12 FEET BGS

- — — — — - WATER LINE
- · — · — · — - GAS LINE
- — — — — - OVERHEAD ELECTRIC LINE
- - - - - TELEPHONE/CABLE LINE
- - - - - PROPERTY BOUNDARY

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