

Source Property Information

CLOSURE DATE: 01/21/2014

BRRTS #:

03-55-236132

ACTIVITY NAME:

GOLATS PHILLIPS 66

FID #:

735000090

PROPERTY ADDRESS:

212 E ARTHUR AVE

DATCP #:

NA

MUNICIPALITY:

BRUCE

PECFA#:

54819950012

PARCEL ID #:

106-00179-0000

***WTM COORDINATES:**

WTM COORDINATES REPRESENT:

X: 420557

Y: 554305

Approximate Center Of Contaminant Source

Approximate Source Parcel Center

** Coordinates are in
WTM83, NAD83 (1991)*

Please check as appropriate: (BRRTS Action Code)

CONTINUING OBLIGATIONS

Contaminated Media for Residual Contamination:

Groundwater Contamination > ES (236)

Soil Contamination > *RCL or **SSRCL (232)

Contamination in ROW

Contamination in ROW

Off-Source Contamination

Off-Source Contamination

*(note: for list of off-source properties
see "Impacted Off-Source Property Information,
Form 4400-246")*

*(note: for list of off-source properties
see "Impacted Off-Source Property Information,
Form 4400-246")*

Site Specific Obligations:

Soil: maintain industrial zoning (220)

Cover or Barrier (222)

*(note: soil contamination concentrations
between non-industrial and industrial levels)*

Direct Contact

Soil to GW Pathway

Structural Impediment (224)

Vapor Mitigation (226)

Site Specific Condition (228)

Maintain Liability Exemption (230)

*(note: local government unit or economic
development corporation was directed to
take a response action)*

Monitoring Wells:

Are all monitoring wells properly abandoned per NR 141? (234)

Yes No N/A

** Residual Contaminant Level*

***Site Specific Residual Contaminant Level*



January 21, 2014

Harry Golat
N5981 Dearhamer Road
Bruce, WI 54819

Michael Wetzel
W9070 Hwy 8
Ladysmith, WI 54848

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations
Golats Phillips 66, 212E. Arthur Avenue, Bruce, Wisconsin
WDNR BRRTS Activity # 03-55-236132

Dear Mr. Golat & Mr. Wetzel:

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

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 Northern Region Closure Committee reviewed the request for closure on July 22, 2013. The Closure Committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. A conditional closure letter was issued by the DNR on July 22, 2013, and documentation that the conditions in that letter were met was received on January 14, 2014.

This former gas station had soil and groundwater contaminated with petroleum products. Responses included soil excavation to remove most of the contamination soils except under the structure and continued groundwater monitoring until stable or decreasing contaminant trends were noted. The conditions of closure and continuing obligations required were based on the property being used for commercial purposes.

Continuing Obligations

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

- Groundwater contamination is present 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 or cleanup is removed or modified, additional environmental work must be completed.

The DNR fact sheet, "Continuing Obligations for Environmental Protection", RR-819, helps to explain a property owner's responsibility for continuing obligations on their property. The fact sheet may be obtained at <http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf>. A copy is also included with this letter.

GIS Registry

This site will be included on the Bureau for Remediation and Redevelopment Tracking System (BRRTS on the Web) at <http://dnr.wi.gov/topic/Brownfields/clean.html>, 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, under the Geographic Information System (GIS) Registry layer, at the same web address.

DNR approval prior to well construction or reconstruction is required for all sites shown on 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. 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 <http://dnr.wi.gov/topic/wells/documents/3300254.pdf>.

All site information is also on file at the Northern Regional DNR office, at 107 Sutliff Avenue, Rhinelander, WI, 54501. 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 BRRTS on the Web.

Closure Conditions

Compliance with the requirements of this letter is a responsibility to which the current property owner and any subsequent property owners must adhere. 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.

Please send written notifications in accordance with the following requirements to:

Department of Natural Resources
Attn: Carrie Stoltz-Project Manager
107 Sutliff Avenue
Rhinelander, WI 54501

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

Groundwater contamination greater than enforcement standards is present on this contaminated property as shown on the attached map, "Estimated Extent of Impacted Ground Water", labeled Figure B.3.b, submitted by Meridian Environmental on February 18, 2013. 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 the former tank & dispenser locations as well as under the building as indicated on the attached map, "Pre and Post Remedial Soil Contamination", labeled Figure B.2.c., submitted by Meridian Environmental on January 14, 2014. If soil in the specific locations described above is excavated in the future, the property owner or right-of-way holder at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the property owner or right-of-way holder at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Contaminated soil may be managed in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval.

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

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

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

The building as shown on the attached map, "Pre and Post Remedial Soil Contamination", labeled Figure B.2.c., submitted by Meridian Environmental on January 14, 2014, 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 benzene 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.

Chapter NR140, Wis. Adm. Code Exemption

Recent groundwater monitoring data at this site indicates exceedances of the ch. NR 140, Wis. Adm. Code, enforcement standard for benzene at MW-4. The DNR may grant an exemption for a substance of public welfare concern, or nitrate, pursuant to ss. NR 140.28 (2) (a), (3) (a) and (4) (a), Wis. Adm. Code, if actions have been taken to achieve the lowest possible concentration for that substance which is technically and economically feasible and the existing or anticipated increase in the concentration of that substance does not present a threat to public health or welfare.

Based on the information you provided, the DNR believes that the criteria for an exemption have been or will be met. Excavation has been performed and continued groundwater monitoring results show stable or decreasing trends. Therefore, pursuant to s. NR 140.28, Wis. Adm. Code, an exemption to the enforcement standard is granted for benzene at MW-4. Please keep this letter, because it serves as your exemption.

Pursuant to s. NR 140.28 (4) (c), Wis. Adm. Code, if the background concentration of a contaminant is above the enforcement standard, the DNR shall take action under s. NR 140.26 if

it determines that an increase in the concentration of benzene causes an increased threat to public health or welfare or it determines that the incremental increase in the concentration of benzene, by itself, exceeds the preventive action limit.

PECFA Reimbursement

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

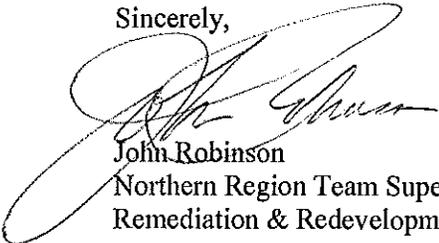
In Closing

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

- if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment,
- if the property owner does not comply with the conditions of closure, with any deed restrictions applied to the property, or with a certificate of completion issued under s. 292.15, Wis. Stats, or
- a property owner fails to maintain or comply with a continuing obligation (imposed under this closure approval letter).

The DNR appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Carrie Stoltz at (715) 365-8942 or at Carrie.Stoltz@wisconsin.gov.

Sincerely,



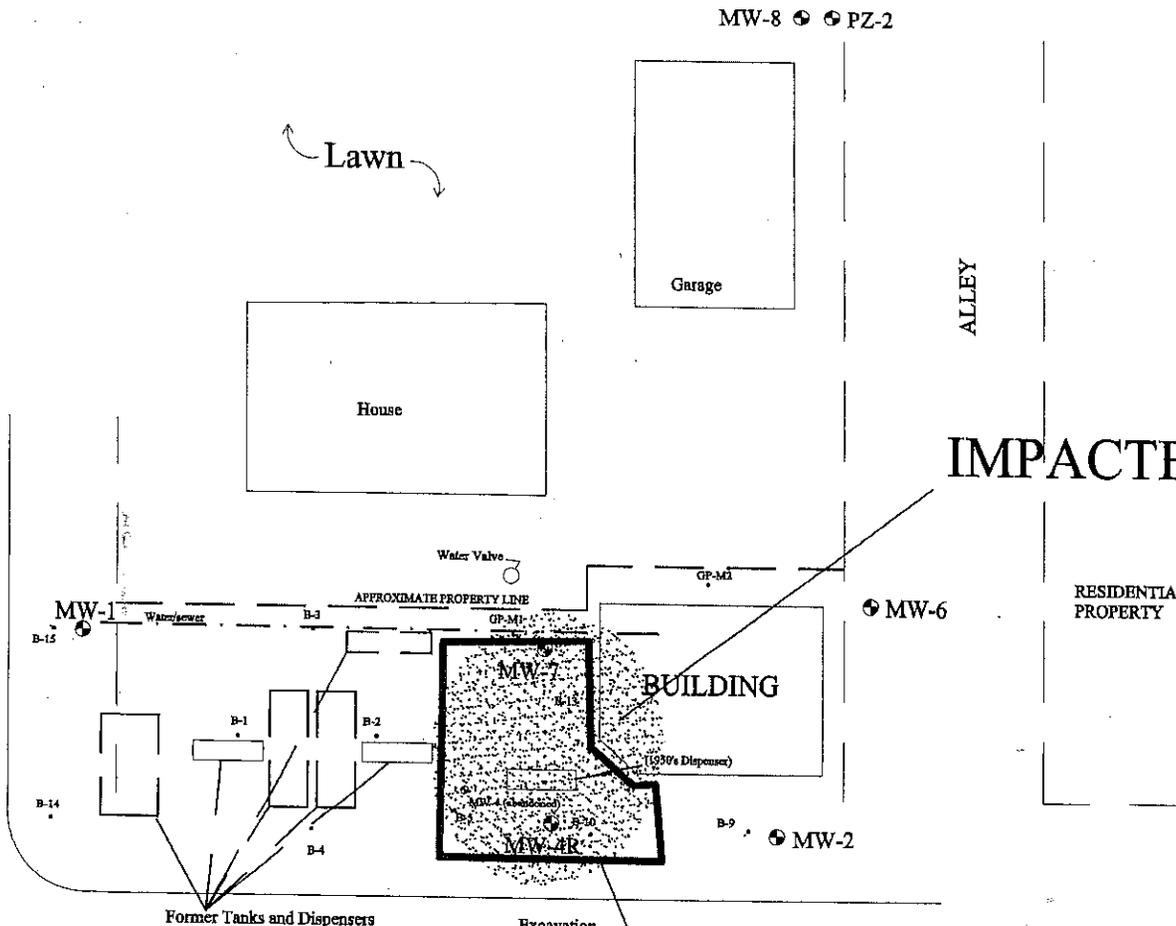
John Robinson
Northern Region Team Supervisor
Remediation & Redevelopment Program

Attachments:

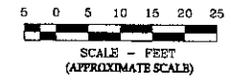
- Estimated Extent of Impacted Ground Water Map, Figure B.3.b dated February 18, 2013
- Pre and Post Remedial Soil Contamination Map, Figure B.2.c dated January 14, 2014
- (RR819) Continuing Obligations for Environmental Protection

Cc: Ken Shimko-Meridian Environmental (via email)
Ralph Smith-WDNR Madison RR/5

1ST STREET



IMPACTED GROUND WATER



ARTHUR AVENUE (U.S.H. 8)

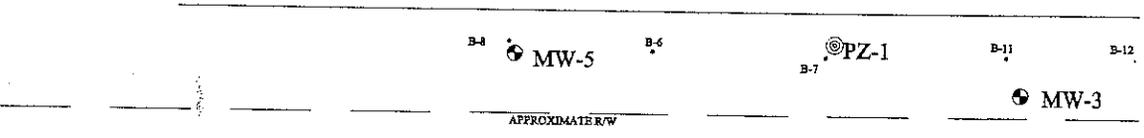
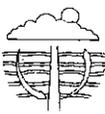
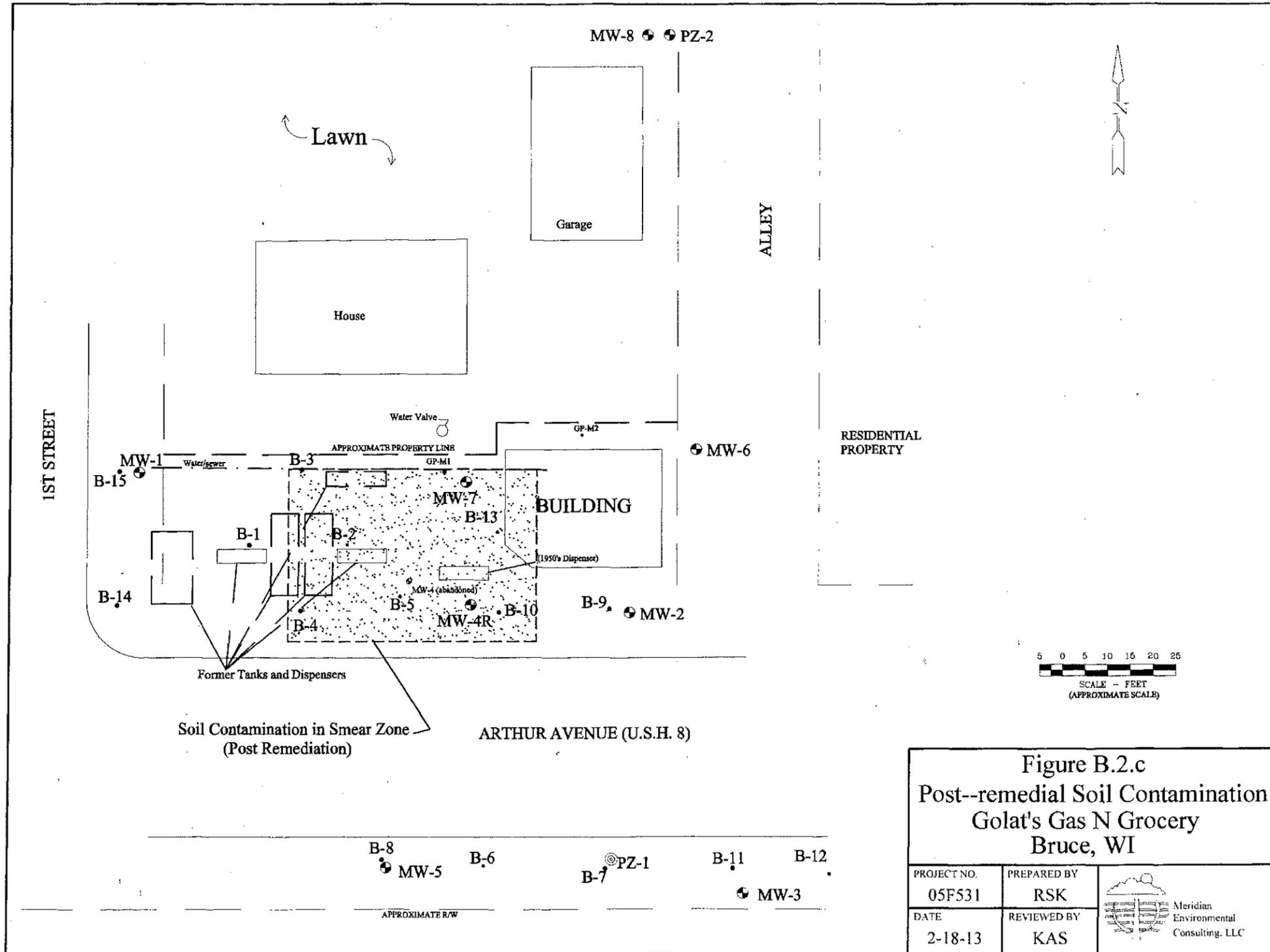


Figure B.3.b
Estimated Extent of Impacted Ground Water
Golaf's Gas N Grocery
Bruce, WI

PROJECT NO. 05F531	PREPARED BY RSK	 Meridian Environmental Consulting, LLC
DATE 2/18/13	REVIEWED BY KAS	





July 22, 2013

Harry Golat
N5981 Dearhamer Road
Bruce, WI 54819

Subject: Conditional Closure Decision,
With Requirements to Achieve Final Closure
Golats Phillips 66, 212E. Arthur Avenue, Bruce, Wisconsin
WDNR BRRTS Activity # 03-55-236132

Dear Mr. Golat:

On July 22, 2013, the Northern Region Closure Committee reviewed your request for closure of the case described above. The Northern Region Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Northern Region Closure Committee has determined that the petroleum contamination on the site from the onsite underground storage tank basins located to the west of the building appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

MONITORING WELL ABANDONMENT

The monitoring wells at the site must be properly abandoned in accordance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to Carrie Stoltz, 107 Sutliff Avenue, Rhineland, WI 54501 on Form 3300-005, found at <http://dnr.wi.gov/topic/DrinkingWater/documents/forms/3300005.pdf> or provided by the Department of Natural Resources.

When the above conditions have been satisfied, please submit the appropriate documentation (for example, well abandonment forms, disposal receipts, copies of correspondence, etc.) to verify that applicable conditions have been met, and your case will be closed. Your site will be listed on the DNR's Remediation and Redevelopment GIS Registry. Information that was submitted with your closure request application will be included on the GIS Registry. To review the site on the GIS Registry web page, visit the RR Sites Map page at: <http://dnrmaps.wi.gov/imf/imf.jsp?site=brrts2>.

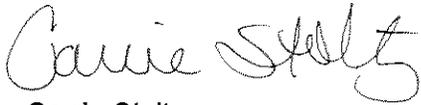
CONTINUING OBLIGATIONS AND RESPONSIBILITIES

As part of the approval of the closure of this case, you will be responsible for maintaining the following continuing obligations. The building must remain onsite as a structural impediment. If the building is removed in the future, further investigation must be performed to determine the extent of soil contamination

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, 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.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (715) 365-8942.

Sincerely,

A handwritten signature in cursive script that reads "Carrie Stoltz".

Carrie Stoltz
Hydrogeologist
Remediation & Redevelopment Program
Air, Waste, and Remediation & Redevelopment Division (AWaRe)
/cs

cc: Ken Shimko-Meridian Environmental (via email)

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. Incomplete forms will be considered "administratively incomplete" and processing of the request will stop until required information is provided. Any section of the form not relevant to the case closure request must be fully filled out or explained on a separate page and attached to the relevant section of this form. 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.).

Site Information

BRRTS No. 03-55-236132		Parcel ID No. 106-00179-0000	
BRRTS Activity (Site) Name Golats Phillips 66		WTM Coordinates X 420550 Y 554300	
Street Address 212 E Arthur Ave		City Bruce	State ZIP Code WI 54819
Responsible Party (RP) Name Harry Golat			
Company Name			
Street Address N5981 Dearhamer Road		City Bruce	State ZIP Code WI 54819
Phone Number		Email	

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

Environmental Consultant Name

Kenneth Shimko
 Consulting Firm
 Meridian Environmental Consulting, LLC

Street Address 2711 North Elco Road		City Fall Creek	State ZIP Code WI 54742
Phone Number (715) 832-6608		Email kshimko.meridianenv@gmail.com	
Acres Ready For Use 0.2		Voluntary Party Liability Exemption Site? <input type="radio"/> Yes <input checked="" type="radio"/> No	

Fees and Mailing of Closure Request

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

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

- \$750 Closure Fee
- \$200 GIS Registry Fee for Soil
- \$250 GIS Registry Fee for Groundwater Lost Well(s)

Total Amount of Payment \$ \$1,200.00

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

Site Summary

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may 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.

Site is former gas station located at corner of Highway 8 (Arthur Avenue) and 1st Street. Property is small (approximately 25 x 120 ft) and consists of small building and parking space. Property is located on edge of commercial and residential properties. Wetland is located across Hwy. 8 (south).

- B. **Prior and current site usage:** Specifically describe the current and historic occupancy and types of use.

Used as gas station for many years (50+). Tank system (tanks, pumps, etc.) removed December 2008; currently no tanks at site. Property is vacant and for sale.

- C. Describe how and when site contamination was discovered.

Environmental Site Assessment conducted in October 1999. Soil borings encountered petroleum impacted soil. Reported to DNR 10-29-99.

- D. Describe the type(s) and source(s) or suspected source(s) of contamination.

Petroleum contamination from onsite retail petroleum operation.

- E. Other relevant site description information (or enter Not Applicable).

Village of Bruce is located about 1/2 mile west of Chippewa River.

- F. List BRRTS activity site name and number for all other BRRTS activities at this property, including closed cases.

none

- G. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to this site, and those impacted by contamination from this site.

none

- H. **Current zoning** (e.g. industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).

Commercial (see email from Village of Bruce in Attachment G)

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.

Village of Bruce is underlain by glacial sediments to at least 100 feet. The sediments are approximately 20 feet of poorly sorted silty sand overlying coarser sand and gravel. There are variations in the silty sand with finer and coarser grained lenses which are discontinuous across the site. The Village obtains its water supply from wells screened in the sand and gravel aquifer.

- ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.

The former tank basin was excavated during the remedial excavation. This excavation was backfilled with coarse material ("pit-run").

- iii. Depth to bedrock, bedrock type, and whether or not it was encountered during the investigation.

Bedrock was not encountered during the investigation. Bedrock is Precambrian basement rocks and is typically about 100 feet deep.

- 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 site surface is gravel except for the building.

B. Groundwater

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

Depth to ground water is typically about 15 feet below grade. Two piezometers indicate very little vertical gradient if any. Water table is found about 20 - 30 feet below grade.

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

Ground water flow is consistently northerly. No vertical gradient measured in piezometer nests.

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

Hydraulic conductivity measurements were not collected. Published hydraulic conductivity values for silty sand (i.e., 0.0001 cm/sec) is adequate for site characterization.

- iv. Identify and describe locations/distance of potable and/or municipal Wells within 1200 feet of the site.

The Village of Bruce utilizes two wells for water supply (No. 1 and No. 3). Village Well No. 1 is located about 700 feet due north of the site and is 72 feet deep.

3. Site Investigation Summary

A. General

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

The site began in October 1999 when Environmental Site Assessment encountered petroleum impacted soil. Ayres Associates was the original consultant who began Site Investigation (SI) in 2000. Ayres installed B-1 thru B-15 in 2000 using Geoprobe. Ayres installed monitoring wells MW-1 thru MW-4 in 2000, MW-5 and PZ-1 in 2002, and MW-6 in 2003. The site went to Public Bid in 2003 and Meridian was the low bidder. The Scope of Work requested in the Bid Documents was to bail one well (MW-4) and sample wells. Meridian completed this work for several years (2003 to 2007). The site owner decided to remove the petroleum system (i.e., tanks, pumps, piping, canopy). This provided an opportunity to excavate petroleum impacted soils. A large remedial excavation (766 tons) was completed in December 2008. This excavation removed the impacted source soils to the water table.

Monitoring well MW-4R was installed December 2008 to replace MW-4.

Wells MW-7 (installed in June 2010), MW-8 and PZ-2 (both installed December 2010) were constructed to evaluate the northern extent of impacted ground water. These wells were sampled several times. Based on these results, it appears the extent of impacted ground water has been determined.

- ii. Identify whether contamination extends beyond the source property boundary, describe the off-site media (e.g., soil, groundwater, etc.) impacted, and the vertical and horizontal extent of off-site impacts.

No offsite ground water contamination measured.

- 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.

Soil excavation removed all contaminated soil. Excavation extended into ground water table to remove smear zone soils to the extent possible. The building limited investigation and remediation underneath. This impediment is believed to be minimal based on soil and ground water sampling.

B. Soil

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

Petroleum impacted soil at this site has been excavated. Residual impacts remain at the water table ("smear zone").

- ii. Describe the level and types of **soil contaminants** found in the upper four feet of the soil column.

None.

- iii. Identify the ch. NR 720, Wis. Adm. Code, method used to establish the soil cleanup standards for this site: for example, a Residual Contaminant Level (RCL), a Site-Specific Residual Contaminant Level (SSRCL), or a Performance Standard as determined under ss NR 720.09, 720.11 and 720.19, Wis. Adm. Code. Identify the land use classification that was used to establish cleanup standards. Provide a copy of the supporting calculations/information in Attachment C.

NR746 and NR720 Table Standards are not exceeded in the vadose zone soils.

C. Groundwater

- i. Describe degree and extent of groundwater contamination at or from this site. 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.

Petroleum impacted ground water is found beneath the former source area.

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

Free product was measured in MW-4 from 2000 (installation) to December 2008 when it was destroyed during the remedial excavation. Free product has not been measured since the remedial excavation was completed.

The free product measurements in MW-4 ranged from 1 inch to 48 inches.

D. Vapor

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

Vapor migration is not a concern for several reasons. The remedial excavation removed the source soils. The depth to ground water is greater than 5 feet below the bottom of the building floor (slab).

- 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).

None.

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.

There is a wetland across (south) Highway 8. A monitoring well (MW-3) was installed adjacent to this wetland; no impacts to this well. In addition, ground water flow is northerly away from the wetland.

- 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.

None.

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.

Free product was bailed from MW-4 from 2003 to 2007. Approximately 766 tons of source soils were excavated in December 2008. Ground water monitoring indicates stable plume and no free product is found at the site.

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

Free product bailing from MW-4.

- C. Describe the *active* remedial actions taken at the site, including: type of remedial system(s) used for each media impacted; 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.

Free product was bailed from MW-4 from 2003 to 2007. Approximately 766 tons of source soils were excavated in December 2008. Remedial excavation removed all contaminated soil and smear zone impacts in free product area (MW-4). Confirmation sampling indicates no soil contamination. Ground water monitoring indicates stable plume and no free product is found at the site. See Figure B.2.b for location of excavation and Table A.3 for summary of post-remedial soil sampling

- D. Provide a discussion of the nature, degree and extent of residual contamination that will remain at the site or on off-site affected properties after case closure.

Petroleum impacts remain at the capillary fringe associated with the impacted ground water contaminant plume.

- E. Describe the remaining soil contamination within four feet of ground surface (direct contact zone) that attains or exceeds the ch. NR720, Wis. Adm. Code, standard(s) for direct contact.

None

- F. Describe the remaining soil contamination in the vadose zone that attains or exceeds the soil standard(s) for the groundwater pathway.

No soil contamination exists above the water table. Petroleum impacts remain at the water table in the "smear zone".

- G. 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.

Natural attenuation will reduce the petroleum impacts over time to levels below regulatory standards.

- H. 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).

Ground water quality is steadily improving. Several feet of free product (in MW-4) has been remediated (by excavation) to levels below NR 140 Enforcement Standards.

- I. Identify how all exposure pathways were removed and/or adequately addressed by immediate and/or remedial action(s) described above in paragraphs, B, C, D, E and F.

Excavation removed impacted soil and much of the smear zone. Natural attenuation will address residual dissolved phase impacts to ground water and smear zone. No vapor intrusion concerns.

- J. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain.

N/A

- K. 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.

GIS Registry for Ground Water

- L. 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.

N/A

- M. 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.

N/A

5. Continuing Obligations: Situations where a maintenance plan(s) and inclusion on DNR's GIS Registry are required.

Directions: Check all that apply to this case closure request:

	This scenario Applies to this Case Closure		Case Closure Scenario: Maintenance Plans and GIS Registry	Maintenance Plan (s) Required in Attachment D	GIS Registry Listing
	A. On-Site	B. Off-Site			
i.	<input type="checkbox"/>	<input type="checkbox"/>	Engineering Control/Barrier for Direct Contact	✓	✓
ii.	<input type="checkbox"/>	<input type="checkbox"/>	Engineering Control/Barrier for Groundwater Infiltration	✓	✓
iii.	<input type="checkbox"/>	<input type="checkbox"/>	Vapor Mitigation - post closure passive system	✓	✓
iv.	<input type="checkbox"/>	<input type="checkbox"/>	Vapor Mitigation - post closure active system	✓	✓
v.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	None of the above scenarios apply to this case closure	NA	NA

6. Continuing Obligations: Situations where inclusion on DNR's GIS Registry is required.

Directions: Check all that apply to this case closure request:

	This scenario Applies to this Case Closure		Case Closure Scenario: GIS Registry Only	GIS Registry Listing
	A. On-Site	B. Off-Site		
i.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Residual soil contamination exceeds ch. NR 720 generic or site-specific RCLs	✓
ii.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sites with groundwater contamination equal to or greater than the ch. NR 140, enforcement standards (ES)	✓
iii.	<input type="checkbox"/>	<input type="checkbox"/>	Monitoring wells: lost, transferred or remaining in use	✓
iv.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Structural Impediment (not as a performance standard)	✓
v.	<input type="checkbox"/>	<input type="checkbox"/>	Residual soil contamination remaining at ch. NR 720 industrial Use levels	✓
vi.	<input type="checkbox"/>	<input type="checkbox"/>	Vapor intrusion may be future, post-closure issue if building use or land use changes	✓
vii.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	None of the above scenarios apply to this case closure	NA

7. 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. SPS 310, Wis. Adm. Code, exist on the property? Yes No
- C. If the answer to question 7b is yes, is the leak detection system currently being monitored? Yes No

Data Tables (Attachment A)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General directions for Data Tables:

- Use bold and italics font on information of importance on tables and figures. Use bold font for ch. NR 140, Wis. Adm. Code, groundwater enforcement standard (ES) attainments or exceedances, and italicized font for ch. NR 140, Wis. Adm. Code, groundwater preventive action limit (PAL) standard attainments or exceedances.
- 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(2)(g)3, Wis. Adm. Code, in the format required in s. NR 716.15(2)(h)3, 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. Pre-remedial Soil Analytical Table, etc).
- For required documents, each table (e.g., A.1., A.2., etc.) should be a separate PDF.

A. Data Tables

- A.1. **Groundwater Analytical Table(s):** Table(s) showing the analytical results and collection dates, for all groundwater sampling points e.g. monitoring wells, temporary wells, sumps, extraction wells, any potable wells and any other wells, extraction wells and any potable wells for which samples have been collected.
- A.2. **Pre-remedial Soil Analytical Table(s):** Table(s) showing the soil analytical results and collection dates - prior to conducting the interim and/or remedial action. Indicate if sample was collected above or below the all-time low water table (unsaturated verses saturated).
- A.3. **Post-remedial Soil Analytical Table(s):** Table(s) showing the post-remedial action soil analytical results and collection dates. Indicate if sample was collected above or below the all-time low water table (unsaturated verses saturated).
- A.4. **Pre and Post Remaining Soil Contamination Soil Analytical Table(s):** Table(s) showing only the pre and post remedial action soil analytical results that exceed a Residual Contaminate Level (RCL) or a Site-Specific Residual Level (SSRCL).
- A.5. **Vapor Analytical Table:** Table(s) showing type(s) of samples, sample collection methods, analytical method, sample results, date of sample collection, time period for sample collection, method and results of leak detection, and date, method and results of communication testing.
- A.6. **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, time period for sample collection, method and results sampling.
- A.7. **Water Level Elevations:** Table(s) showing all water level elevation measurements and dates from all monitoring wells. If present, free product should be noted on the table.
- A.8. **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 and Figures (Attachment B)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions for all Maps and Figures:

- If any map or figure is not relevant to the case closure request, you must fully explain the reason(s) why and attach that explanation (properly labeled with the map/ figure title) in Attachment B.
- 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 11x17 inches, in a portable document format (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(2)(h)1 and 726.05(3)(a)4.d, Wis Adm. Code.
- Do not use shading or highlights on any of the analytical tables.
- 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.

B.1. Location Maps

- B.1.a. **Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all impacted 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 on-site and applicable off-site 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 exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels

(SSRCL) as determined under ss. NR 720.09, 720.11 and 720.19, Wis. Adm. Code.

B.1.c. **RR Site Map:** From RR Sites Map (<http://dnrmaps.wi.gov/imf/imf.jsp?site=brts2>) 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. **Pre-remedial Soil Contamination:** Figure(s) showing the sample location of all pre-remedial, unsaturated contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeded a Residual Contaminant Level (RCL) or a Site-Specific Residual Contaminant Level (SSRCL) as determined under ss. NR 720.09, 720.11 and 720.19, Wis. Adm. Code.

B.2.b. **Post-remedial Soil Contamination :** Figure(s) showing the sample location of all post-remedial, unsaturated contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site-Specific Residual Contaminant Level (SSRCL) as determined under ss. NR 720.09, 720.11 and 720.19, Wis. Adm. Code. A separate contour line should be used to indicate the extent of residual direct contact exceedances.

B.2.c. **Pre/Post Remaining Soil Contamination:** Figure(s) showing the only location of all pre and post remedial residual soil sample location(s) where unsaturated contaminated soil remains after remediation and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site-Specific Residual Level (SSRCL) as determined under ss. NR 720.09, 720.11 and 720.19, Wis. Admin. Code. A separate contour line should be used to indicate the extent of residual direct contact exceedances.

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 a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).
- Source location(s) and lateral and vertical extent if groundwater contamination exceeds a ch. NR 140 Enforcement Standard (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.1b)

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, Preventive Action Limit (PAL) and/or an Enforcement Standard (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 previously 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 remaining soil and groundwater contamination, including sub-slab, indoor air, soil vapor, 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)

Documentation of Remedial Action (Attachment C)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions:

- 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 is "not applicable" to the site-specific circumstances, include a brief explanation to support that conclusion.
- If the documentation requested below has already been submitted to the Department, please note the title and date of the report for

that particular document requested.

- C.1. **Site investigation documentation**, that has not otherwise been previously submitted.
- C.2. **Investigative waste disposal documentation**.
- C.3. **NR 720.19 analysis**, assumptions and calculations for site specific RCLs (SSRCLs), with justification, including EPA Soil Screening Level Model Calculations and results.
- 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 upon receiving conditional closure.
- C.6. **Photos**. For sites 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 should be visible and discernible. Photographs must be labeled with the site name, the features shown, location and the date on which the photograph was taken.
- C.7. **Other**. Include any other relevant documentation not otherwise noted above. (This section may remain blank)

Maintenance Plan(s) (Attachment D)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

When one or more "maintenance plans" are required for a site closure, include in each maintenance plan all required information in sections D.1. through D.5. below, and attach the plan(s) in Attachment D. The following "model" maintenance plans can be located at: (1) Maintenance plan for an engineering control or cover: <http://dnr.wi.gov/topic/Brownfields/documents/maintenance-plan.pdf>; and (2) Maintenance plan for vapor intrusion: http://dnr.wi.gov/topic/Brownfields/documents/appendix5_606.pdf.

- D.1. **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.2. **Brief descriptions** of the type, depth and location of residual contamination.
- D.3. **Description of maintenance action(s)** required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required.
- D.4. **Inspection log**, to be maintained on site, or at a location specified in the maintenance plan or approval letter.
- D.5. **Contact information**, including the name, address and phone number of the individual or facility who will be conducting the maintenance.

Monitoring Well Information (Attachment E)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions:

Attach monitoring well construction and development forms (DNR FORM 4400-113 A and B: http://dnr.wi.gov/org/water/dwg/gw/forms/4400_113_1_2.pdf) for all wells that will remain in-use, be transferred to another party or that could not be located. A figure of these wells should be included in Attachment B.3.d.

Select One:

- No monitoring wells were required 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 description of efforts made to locate the "lost" wells.
- One or more 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).
- 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.

Notifications to Owners of Impacted Properties (Attachment F)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions:

- State law requires that the responsible party provide a 30-day, written advance notice (i.e., a letter) 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.
- A model "template letter" for these mandatory notifications can be downloaded at: <http://dnr.wi.gov/files/PDF/pubs/rr/RR919.pdf>.

Check all that apply to the site-specific circumstances of this case closure:

	A. Impacted Source Property and Owner is not Conducting Cleanup	B. Impacted Right of Way	C. Impacted Off-Site Property Owner	Impacted Property Notification Situations: Ch. NR 726 Appendix A Letter
1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residual groundwater contamination exceeds Ch. NR 140 Wis. Administrative Code enforcement standards.
2.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residual soil contamination that attains or exceeds standards is present after the remedial action is complete, and must be properly managed should it be excavated or removed.
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	An engineered cover or a soil barrier (e.g. pavement) must be maintained over contaminated soil for direct contact or groundwater infiltration concerns.
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Industrial land use soil standards were used for the clean-up standard.
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A vapor mitigation system (or other specific vapor protection) must be operated and maintained.
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vapor assessment needed if use changes.
7.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Structural impediment.
8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lost, transferred or open monitoring wells.
9.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Not Applicable.

If any of the previous boxes in rows 1 thru 8 were checked, include the following as part of Attachment F:

- FORM 4400-246;
- Copy of each letter sent, 30 days or more prior to requesting closure; and
- Proof of receipt for each letter.
- For this site closure, 1 (number) property (ies) has/have been impacted, the owners have been notified, and copies of the letters and receipts are included in Attachment F.

Source Legal Documents (Attachment G)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

Include all of the following documents, in this order, in Attachment G:

- G.1. Deeds - Source Property and Other Impacted Properties:** The most recent deed with legal descriptions clearly labeled for (1) the **Source Property** (where the contamination originated) and (2) all **off-source** (off-site) properties where letters were required to be sent per the ch. NR 700, Wis. Adm. Code, rule series (e.g., off-site cover maintenance required, lost monitoring well, off-site cover property impacts to groundwater exceeding the ch. NR 140, Wis. Adm. Code).
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.
- G.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. (Lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).
- G.3. Verification of Zoning:** Documentation (e.g., official zoning map or letter from municipality) of the property's or properties' current zoning status.
- G.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.

Signatures and Findings for Closure Determination

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

Check the correct signature block below for this case closure request, and have the proper environmental professional(s) sign this document, in accordance with the ch. NR 700 Wis. Adm. Code rule series. Both boxes may be checked if applicable to this case closure.

A response action(s) for this site addresses groundwater contamination (including natural attenuation remedies). In this situation, the closure request must be prepared by, or under the supervision of, a professional engineer and a hydrogeologist, as defined in ch. NR 712, Wis. Adm. Code. Include both signatures provided below with the submittal.

The response action(s) for this site addresses media other than groundwater. In this situation, the case closure request must be prepared by, or under the supervision of, a professional engineer, as defined in ch. NR 712, Wis. Adm. Code. The "engineering certification" language below, at a minimum, must be signed.

Engineering Certification

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

Printed Name

Title

Signature

Date

P.E. Stamp and Number

Hydrogeologist Certification

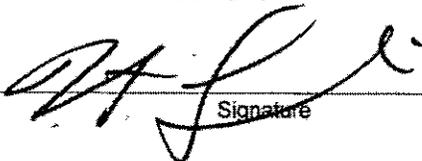
I, Kenneth Shimko hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this case closure request is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code. All phases of work necessary to address groundwater contamination including obtaining data, developing conclusions, recommendations and preparing submittals for this case closure request have been prepared by me, or their preparation has been supervised by me. Specifically, with respect to compliance with the rules, in my professional opinion a site investigation has been conducted in accordance with ch. NR 716, Wis. Adm. Code, and all necessary remedial actions have been completed in accordance with chs. NR 140, NR 718, NR 720, NR 722, NR 724 and NR 726, Wis. Adm. Codes."

Kenneth Shimko
Printed Name

Senior Hydrogeologist/Project Manager
Title

Printed Name

Title


Signature

6-26-13
Date

Date

ATTACHMENT A

Golats Phillips 66

Bruce, Wisconsin

DNR BRRTS No. 03-55-236132

Table A.4: Pre and Post Remaining Soil Contamination

No soil contamination remaining at site.

Table A.5: Vapor Analytical Table

Vapor intrusion not of concern due to depth to ground water.

Table A.6 Other Media

No other media impacted by petroleum release.

Table A.7 Water Level Elevations

See following page.

Table A.8 Other

Not applicable.

Table A.1: Ground Water Analytical Data

Greens Phillips 46
 Bruce, Wisconsin
 DNR BRR75 03-51-236132

Well/Date	MTBE	Benzene	Toluene	Ethylbenzene	Total Xylenes	1,3,5-TMB	1,2,4-TMB	Total TMB	Naphthalene	Pb
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NRI40ES	60	5	800	700	2000			480	100	15
NRI40 PAL	12	0.5	160	140	400			96	10	1.5
MW-1										
4/26/06	<.3	<.31	<.3	<.5	<.62	<.31	<.4	<.4	NA	NA
4/30/2007	<.3	<.31	<.3	<.5	<.62	<.31	<.4	<.4	NA	NA
3/27/2009	Not sampled									
6/12/2009	<.3	<.31	<.3	<.5	<.62	<.31	<.4	<.4	NA	NA
9/24/2009	Not Sampled									
12/17/2009	<.3	<.31	<.37	<.5	<.77	<.44	<.4	<.44	NA	
5/22/2012	Not sampled									
8/17/2012	<.38	<.39	<.42	<.41	<.13	<.4	<.43	<.43	<.4	NA
MW-2										
10/21/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1/21/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	(2.8)
5/20/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/22/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/25/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/26/06	<.3	<.31	<.3	<.5	<.62	<.31	<.4	<.4	NA	NA
4/30/2007	<.3	<.31	<.3	<.5	<.62	<.31	<.4	<.4	NA	NA
3/27/2009	<.3	<.31	<.3	<.5	<.62	<.31	<.4	<.4	NA	NA
6/12/2009	<.3	<.31	<.3	<.5	<.62	<.31	<.4	<.4	NA	NA
9/24/2009	<.3	<.31	<.37	<.5	<.77	<.44	<.4	<.44	NA	NA
12/17/2009	<.3	<.31	<.37	<.5	<.77	<.44	<.4	<.44	NA	NA
5/22/2012	Not sampled									
8/17/2012	<.38	<.39	<.42	<.41	<.13	<.4	<.43	<.43	<.4	NA
MW-3										
3/27/2009	Not sampled									
6/12/2009	<.3	<.31	<.3	<.5	<.62	<.31	<.4	<.4	NA	NA
9/24/2009	Not Sampled									
12/17/2009	Not Sampled									
5/22/2012	Not sampled									
8/17/2012	<.38	<.39	<.42	<.41	<.13	<.4	<.43	<.43	<.4	NA
MW-4R										
3/27/2009	53	415	831	44.6	843	96.6	93.6	190.2	NA	NA
6/12/2009	34.9	246	552	64.8	730	116	69.5	185.3	NA	NA
9/24/2009	49.1	588	1150	123	1070	90.1	201	291.1	NA	NA
12/17/2009	36	576	850	120	749	67.5	143	210.3	NA	NA
6/25/2010	35.6	265	469	115	403.6	36.6	86.7	123.3	33.5	NA
9/17/2010	12.6	81.9	111	33.1	79.4	10	26.8	36.8	25.7	NA
1/5/2011	7.86	45.6	17.7	10.1	40.9	8.14	16.7	24.84	7.6	NA
4/19/2011	<.3	1.02	<.37	<.5	<.77	0.876	0.964	1.84	<2.0	NA
5/22/2012	<.38	44.5	57.1	20.2	53.3	5.1	14.6	19.7	7.7	NA
8/17/2012	1.6	39.3	8.8	6.8	22.5	3.5	11.3	14.8	5.8	NA
MW-5										
10/21/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1/21/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/20/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
7/22/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	(1.2)
10/14/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1/25/2005	FROZEN - INACCESSIBLE									
4/26/06	Not Sampled									
4/30/2007	Not Sampled									
3/27/2009	<.3	<.31	<.3	<.5	<.62	<.31	<.4	<.4	NA	NA
6/12/2009	Not Sampled - Car over well									
9/24/2009	<.3	<.31	<.37	<.5	<.77	<.44	<.4	<.44	NA	NA
12/17/2009	<.3	<.31	<.37	<.5	<.77	<.44	<.4	<.44	NA	NA
5/22/2012	Not sampled									
8/17/2012	<.38	<.39	<.42	<.41	<.13	<.4	<.43	<.43	<.4	NA

Table A.1: Ground Water Analytical Data
Page 2

Well/Data	MTBE	Benzene	Toluene	Ethylbenzene	Total Xylenes	1,3,5-TMB	1,2,4-TMB	Total TMB	Naphthalene	Pb
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NR140ES	60	5	800	700	2000			480	100	15
NR140 PAL	12	0.5	160	140	400			96	10	1.5
MW-6										
10/21/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1/21/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	(2.1)
5/20/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/22/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/25/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/26/06	<3	<31	<3	<5	<62	<31	<4	<4	NA	NA
4/30/2007	<3	<31	<3	<5	<62	<31	<4	<4	NA	NA
3/27/2009	<3	<31	<3	<5	<62	<31	<4	<4	NA	NA
6/12/2009	<3	<31	<3	<5	<62	<31	<4	<4	NA	NA
9/24/2009	<3	<31	<37	<5	<62	<31	<4	<4	NA	NA
12/17/2009	<3	<31	<37	<5	<77	<44	<4	<44	NA	NA
5/22/2012	<38	<39	<42	<41	<1.3	<4	<43	<43	<4	NA
8/17/2012	<38	<39	<42	<41	<1.3	<4	<43	<43	<4	NA
MW-7 (installed June 18, 2010)										
6/25/2010	638	244	2090	1010	9630	1180	3570	4750	810	NA
9/17/2010	190	<31	629	231	2824	235	728	963	308	NA
1/5/2011	524	321	521	357	6540	1330	3600	4930	594	NA
4/19/2011	465	465	270	236	3442	878	2250	3128	539	NA
5/22/2012	<9.4	<1.9	49.3	49.7	785	162	454	616	92.7	NA
8/17/2012	12	7	38.3	22.5	458	123	324	447	85.3	NA
MW-8 (installed December 22, 2010)										
1/5/2011	<3	<31	<37	<5	<77	<44	<4	<44	<2.0	NA
4/19/2011	<3	<31	<37	<5	<77	<44	<4	<44	<2.0	NA
5/22/2012	<38	<39	<42	<41	<1.3	<4	<43	<43	<4	NA
8/17/2012	<38	<39	<42	<41	<1.3	<4	<43	<43	<4	NA
PZ-1										
10/21/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
1/21/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/20/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
7/22/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1/25/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/26/06	<3	<31	<3	<5	<62	<31	<4	<4	NA	NA
4/30/2007	<3	<31	<3	<5	<62	<31	<4	<4	NA	NA
3/27/2009	Not Sampled								NA	NA
6/12/2009	<3	<31	<3	<5	<62	<31	<4	<4	NA	NA
9/24/2009	Not Sampled								NA	NA
12/17/2009	<3	<31	<37	<5	<77	<44	<4	<44	NA	
5/22/2012	Not sampled								NA	
8/17/2012	<38	<39	<42	<41	<1.3	<4	<43	<43	<4	NA
PZ-2 (installed December 22, 2010)										
1/5/2011	<3	<31	<37	<5	<77	<4	<44	<44	<2.0	NA
4/19/2011	<3	<31	<37	<5	<77	<44	<4	<44	<2.0	NA
5/22/2012	<38	<39	<42	<41	<1.3	<4	<43	<43	<4	NA
8/17/2012	<38	<39	<42	<41	<1.3	<4	<43	<43	<4	NA

(2.8) Value in brackets represent results greater than or equal to the Limit of Detection (LOD) but less than the Limit of Quantitation (LOQ) and are within a region of "Less-certain Quantitation"

ND - Not detected at or above method detection limit

NS - Not sampled per Scope of Work

NA - Parameter Not Analyzed

- 10 Concentration Exceeds NR140 Enforcement Standard
- 15 Concentration Exceeds NR140 Preventive Action Limit

Table A.2: Pre-remedial Soil Analytical Table
 Global Gas n Grocery
 Bruce, Wisconsin
 Page 1

Boring	Depth	FID	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	1,2,4-TMB	1,3,5-TMB	1,2-DCA	Naphthalene
Unit	ft	ppm	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NR746 Table 1				8.5	38	4.6						
NR746 Table 2				1.1			42		83	11	0.54	1.7
NR770			100	0.0055	1.5	2.9	4.1				0.0049	
B-1	0-2	0.6										
	2-4	0										
	4-6	0										
	6-8	0										
	8-10	1										
	10-12	0										
	12-14	0										
	14-16	0										
	16-18	0.6										
	18-20	23	<1.2	<0.025	<0.025	<0.025	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025
20-22	22											
22-24	2	<1.2	<0.025	<0.025	<0.025	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	
B-2	0-2	0										
	2-4	0										
	4-6	NSR (no sample recovered)										
	6-8	2										
	8-10	0										
	10-12	0										
	12-14	0.4										
	14-16	0.2										
	16-18	60										
	18-20	>1000	1700	0.98	12	6	26.3	<0.38	21	0.1	<0.38	2.2
20-22	>1000											
22-24	>1000	3.7	<0.025	0.028	0.073	0.45	<0.025	0.083	0.09	<0.025	0.071	
B-3	0-2	6										
	2-4	0.6										
	4-6	2										
	6-8	1.4										
	8-10	13										
	10-12	2										
	12-14	6										
	14-16	2										
	16-18	8										
	18-20	90	1.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
20-22	20											
22-24	>1000	46	1.6	2.1	<7	<2.3	<0.95	4.8	3	<0.95	<9	
B-4	0-2	0.6										
	2-4	2.4										
	4-6	0										
	6-8	0										
	8-10	0										
	10-12	14										
	12-14	980										
	14-16	>1000										
	16-18	>>1000	720	<0.025	0.33	0.085	0.57	<0.025	0.22	0.086	<0.025	0.082
	18-20	62										
20-22	66											
22-24	70	3.7	<0.025	0.63	0.067	0.42	<0.025	0.072	0.029	<0.025	0.076	
B-5	0-2	0										
	2-4	0										
	4-6	0										
	6-8	0										
	8-10	25										
	10-12	68										
	12-14	>1000										
	14-16	>1000										
	16-18	>>1000	2500	4.3	59	23	116	<0.95	31	19	<0.95	10
	18-20	>1000										
20-22	1000											
22-24	1000	10	0.48	0.79	0.088	0.6	<0.025	0.18	0.067	<0.025	0.11	
B-6	0-2	0										
	2-4	0										
	4-6	0.1										
	6-8	0.2										
	8-10	0.4										
	10-12	0.3										
	12-14	0.2										
	14-16	0.4	<1.2	<0.025	<0.025	<0.025	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025
	16-18	0.4										
	18-20	1	<1.2	<0.025	<0.025	<0.025	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025

Table A.2: Pre-remedial Soil Analytical Table
 Goals Gas & Grocery
 Bruce, Wisconsin
 Page 2

Boring	Depth	FID	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	1,2,4-TMB	1,3,5-TMB	1,2-DCA	Naphthalene
Units	ft	in	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
B-7	0-2	0										
	2-4	0										
	4-6	0										
	6-8	0										
	8-10	0										
	10-12	0										
	12-14	0										
	14-16	0.4	<1.4	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25
16-18	0											
18-20	0.6	<1.3	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25	
B-8	0-2	0.4										
	2-4	0										
	4-6	0.2										
	6-8	0.2										
	8-10	0.6										
	10-12	0.4										
	12-14	0.4										
	14-16	0.6	<1.2	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25
16-18	NSR											
18-20	1.2	<1.2	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25	
B-9	0-2	0										
	2-4	0.5										
	4-6	0										
	6-8	0										
	8-10	0										
	10-12	0.6										
	12-14	1										
	14-16	1.2	<1.2	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25
16-18	0.8											
18-20	0.6	<1.2	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25	
B-10	0-2	0										
	2-4	0.2										
	4-6	0.5										
	6-8	0.6										
	8-10	0.3										
	10-12	90										
	12-14	110										
	14-16	>1000										
16-18	>1000											
18-20	>>1000	1300	0.13	1.8	0.75	3.6	<0.25	1.7	0.64	<0.25	0.28	
20-22	>1000											
22-24	1000	2.7	0.23	0.36	0.033	0.224	<0.25	0.046	<0.25	<0.25	0.033	
B-11	0-2	1										
	2-4	4										
	4-6	NSR										
	6-8	5										
	8-10	4										
	10-12	8										
	12-14	648	5.7	<0.25	0.094	0.03	0.173	<0.25	0.078	0.031	<0.25	<0.25
	14-16	100										
16-18	94											
18-20	16	<1.3	<0.25	<0.25	<0.25	0.035	<0.25	<0.25	<0.25	<0.25	<0.25	
B-12	0-2	0										
	2-4	3.5										
	4-6	0.8										
	6-8	1.3										
	8-10	NSR										
	10-12	0.6										
	12-14	4	<1.3	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25
	14-16	76	<1.3	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25
16-18	4											
18-20	0	<1.3	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25	
B-13	0-2	0										
	2-4	0.6										
	4-6	0										
	6-8	6										
	8-10	28										
	10-12	62										
	12-14	32										
	14-16	24										
16-18	160	4.9	0.044	0.093	<0.25	0.073	<0.25	0.07	0.032	<0.25	<0.25	
18-20	20	<1.2	0.045	0.042	0.023	0.047	<0.25	0.03	<0.25	<0.25	<0.25	

**Table A.3 Post - remedial Soil Analytical Table
(Tank Removal and Soil Excavation)**

Golats Gas n Grocery
Bruce, Wisconsin
DNR BRRTS No. 03-55-236132
Meridian No. 05C531

(See Figure for sample locations)

Tank Closure Sample Results		
Sample	GRO	DRO
Units	mg/kg	mg/kg
8N	<5.45	
8S	<5.38	
W 4N	<5.29	
W 4S	<5.64	
E 4N		<5.36
E 4S		7.49
OLD E	<5.00	
OLD W	<5.27	
E DISP	<5.63	
W DISP	<5.08	
Pipe Run	<5.41	

Soil Excavation Confirmation Samples	1,2,4 TMB	1,3,5 TMB	Benzene	Ethylbenzene	m&p-Xylene	o-Xylene	Total Xylenes	MTBE	Naphthalene	Toluene
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
N 10'	<.014	<.019	<.017	<.019	<.022	<.017	<.022	<.012	<.019	0.146
S 10'	<.013	<.019	<.016	<.019	<.011	<.016	<.016	<.011	<.019	<.017
E 10'	<.014	<.019	<.017	<.019	<.022	<.017	<.022	<.012	<.019	<.018
Bottom (at water table)	8.17	4.49	<.08	4.79	12.5	4.43	16.93	<.055	1.84	8.66
Soil Standards										
NR720	mg/kg		0.0055	2.9			4.1			1.5
NR746 Table 1	mg/kg	83	11	8.5	4.6		42		2.7	38
NR746 Table 2	mg/kg			1.1						

Table A.7 Water Level Elevation
Golets Phillips 66
Bruce, Wisconsin
DNR BRRTS No. 03-05-134132

MW-1			MW-2			MW-3			MW-4			
Surface Elevation (ft)			100.25	Surface Elevation (ft)		98.25	Surface Elevation (ft)		92	Surface Elevation (ft)		95.5
Top of Casing elevation (ft)			100	Top of Casing elevation (ft)		98.15	Top of Casing elevation (ft)		92.76	Top of Casing elevation (ft)		95.11
Top of Screen Elevation (ft)			83.67	Top of Screen Elevation (ft)		84.36	Top of Screen Elevation (ft)		91	Top of Screen Elevation (ft)		87.57
Bottom of Screen Elevation (ft)			78.67	Bottom of Screen Elevation (ft)		76.36	Bottom of Screen Elevation (ft)		81	Bottom of Screen Elevation (ft)		73.17
Measurement Date	DTW (ft)	GW Elev (ft)	Measurement Date	DTW (ft)	GW Elev (ft)	Measurement Date	DTW (ft)	GW Elev (ft)	Measurement Date	DTW (ft)	GW Elev (ft)	
10/21/2003	16.16	83.84	10/21/2003	14.52	83.63	NM			10/21/2003		FP = 4 ft	
1/21/2004	16.96	83.04	1/21/2004	15.21	82.94	NM			1/21/2004		FP = 4 ft	
5/29/2004	16.39	83.61	5/29/2004	14.63	83.52	NM			5/29/2004		FP = 21 ft	
7/22/2004	16.11	83.89	7/22/2004	14.36	83.79	NM			7/22/2004		FP = 13 ft	
10/14/2004	16.79	83.21	10/14/2004	15	83.15	NM			10/14/2004		FP = 12 ft	
1/25/2005	17.3	82.3	1/25/2005	15.74	83.41	NM			1/25/2005		FP = 6 ft	
4/26/2006	16.21	83.79	4/26/2006	14.42	83.73	NM			4/26/2006		FP = 1 ft	
4/30/2007	18.1	81.9	4/30/2007	16.35	81.79	NM			4/30/2007		FP = 6 ft	
3/27/2009	18.12	81.88	3/27/2009	16.33	81.81	NM						
6/12/2009	17.75	82.25	6/12/2009	15.97	82.18	6/12/2009	7.57	86.39	Abandoned 12/2/09 during excavation			
9/24/2009	18.5	81.5	9/24/2009	16.75	81.42	9/24/2009	9.67	84.89				
12/17/2009	18.57	81.43	12/17/2009	16.83	81.32	12/17/2009						
6/23/2010	17.91	82.09	6/23/2010	16.15	82	6/23/2010						
9/17/2010	16.81	83.19	9/17/2010	15.83	83.12	9/17/2010						
4/19/2011	15.31	84.69	4/19/2011	13.58	84.37							
5/22/2012	16.83	83.13	5/22/2012	15.12	83.05	5/22/2012						
8/17/2012	17.38	82.62	8/17/2012	13.61	82.54	8/17/2012						

MW-5 (Installed December 2008)			MW-6			MW-7 (Installed June 18, 2010)			
Surface Elevation (ft)			98.73	Surface Elevation (ft)		99	Surface Elevation (ft)		99
Top of Casing elevation (ft)			98.44	Top of Casing elevation (ft)		98.23	Top of Casing elevation (ft)		99.04
Top of Screen Elevation (ft)			83.54	Top of Screen Elevation (ft)		86.57	Top of Screen Elevation (ft)		85.21
Bottom of Screen Elevation (ft)			73.54	Bottom of Screen Elevation (ft)		76.57	Bottom of Screen Elevation (ft)		73.21
Measurement Date	DTW (ft)	GW Elev (ft)	Measurement Date	DTW (ft)	GW Elev (ft)	Measurement Date	DTW (ft)	GW Elev (ft)	
			10/21/2003	14.35	83.88	10/21/2003	15.33	83.69	
			1/21/2004	15.11	83.12	1/21/2004	16.1	82.94	
			5/29/2004	14.49	83.74	5/29/2004	15.53	83.49	
			7/22/2004	14.19	84.04	7/22/2004	15.27	83.77	
			10/14/2004	14.89	83.34	10/14/2004	15.92	83.12	
			1/25/2005		82.85	1/25/2005	16.66	82.38	
			4/26/2006	14.38	83.83	4/26/2006	15.26	83.68	
			4/30/2007	NM		4/30/2007	17.28	81.76	
			3/27/2009	16.17	81.94	3/27/2009	17.36	81.78	
			6/12/2009	Not Measured - nm		6/12/2009	16.9	82.14	
			9/24/2009	16.65	81.58	9/24/2009	17.63	81.39	
			12/17/2009	16.67	81.56	12/17/2009	17.73	81.31	
			6/23/2010	16.04	82.15	6/23/2010	17.08	81.56	
			9/17/2010	14.94	83.21	9/17/2010	15.98	83.65	
			4/19/2011	13.58	84.63	4/19/2011	16.53	84.51	
			5/22/2012	14.94	83.29	5/22/2012	16.02	83.62	
			8/17/2012	15.43	82.8	8/17/2012	16.32	82.52	
						6/23/2010	16.73	82.09	
						9/17/2010	15.85	83.17	
						1/3/2011	16.75	84.07	
						4/19/2011	16.53	84.68	
						5/22/2012	15.65	83.12	
						8/17/2012	16.16	82.66	

MW-8 (Installed December 27, 2010)			PW-1			PW-2 (Installed December 31, 2010)			
Surface Elevation (ft)			101	Surface Elevation (ft)		98	Surface Elevation (ft)		103.6
Top of Casing elevation (ft)			103.78	Top of Casing elevation (ft)		97.75	Top of Casing elevation (ft)		102.64
Top of Screen Elevation (ft)			89	Top of Screen Elevation (ft)		83.04	Top of Screen Elevation (ft)		69
Bottom of Screen Elevation (ft)			74	Bottom of Screen Elevation (ft)		68.04	Bottom of Screen Elevation (ft)		64
Measurement Date	DTW (ft)	GW Elev (ft)	Measurement Date	DTW (ft)	GW Elev (ft)	Measurement Date	DTW (ft)	GW Elev (ft)	
			10/21/2003	14	83.75				
			1/21/2004		83.66				
			5/29/2004	14.09	83.66				
			7/22/2004	13.88	83.87				
			10/14/2004	14.49	83.26				
			1/25/2005	15.22	82.53				
			4/26/2006	13.6	83.83				
			4/30/2007	13.75	82				
			3/27/2009	13.74	82.01				
			6/12/2009	13.28	82.37				
			9/24/2009	16.3	81.55				
			12/17/2009	16.2	81.65				
			6/23/2010	15.32	82.23				
			9/17/2010	14.43	83.34				
			1/3/2011	19.82	83.96				
			4/19/2011	19.31	84.67				
			5/22/2012	20.79	82.99				
			8/17/2012	21.27	82.51				
						1/3/2011	19.66	83.98	
						4/19/2011	19.16	84.48	
						5/22/2012	20.74	82.9	
						8/17/2012	21.2	82.44	

ATTACHMENT B

Golats Phillips 66

Bruce, Wisconsin

DNR BRRTS No. 03-55-236132

Figure B.2.c Pre/Post Remaining Soil Contamination

No Post-remaining Soil Contamination

Figure B.3.d Monitoring Wells

See Figure B.1.b. All monitoring wells will be abandoned.

Figure B.4.a Vapor Intrusion Map

Vapor intrusion is not of concern due to excavation and depth to ground water.

Figure B.4.b Other Media of Concern

Not applicable.

Figure B.4.c Other

Not applicable.

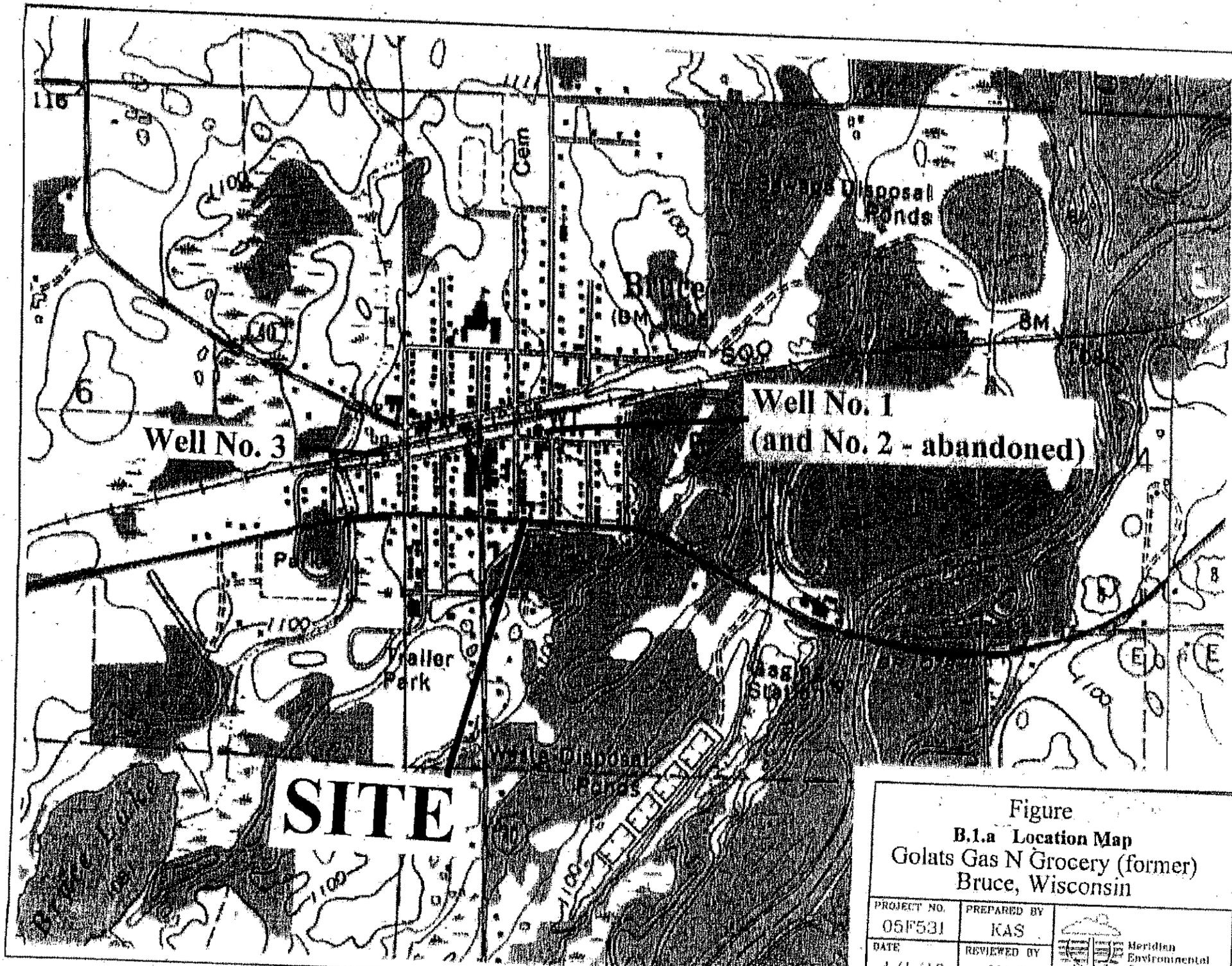


Figure
 B.1.a Location Map
 Golats Gas N Grocery (former)
 Bruce, Wisconsin

PROJECT NO. 05F53J	PREPARED BY KAS	 Meridian Environmental
DATE 1/1/10	REVIEWED BY	

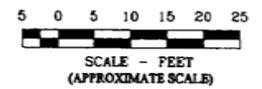
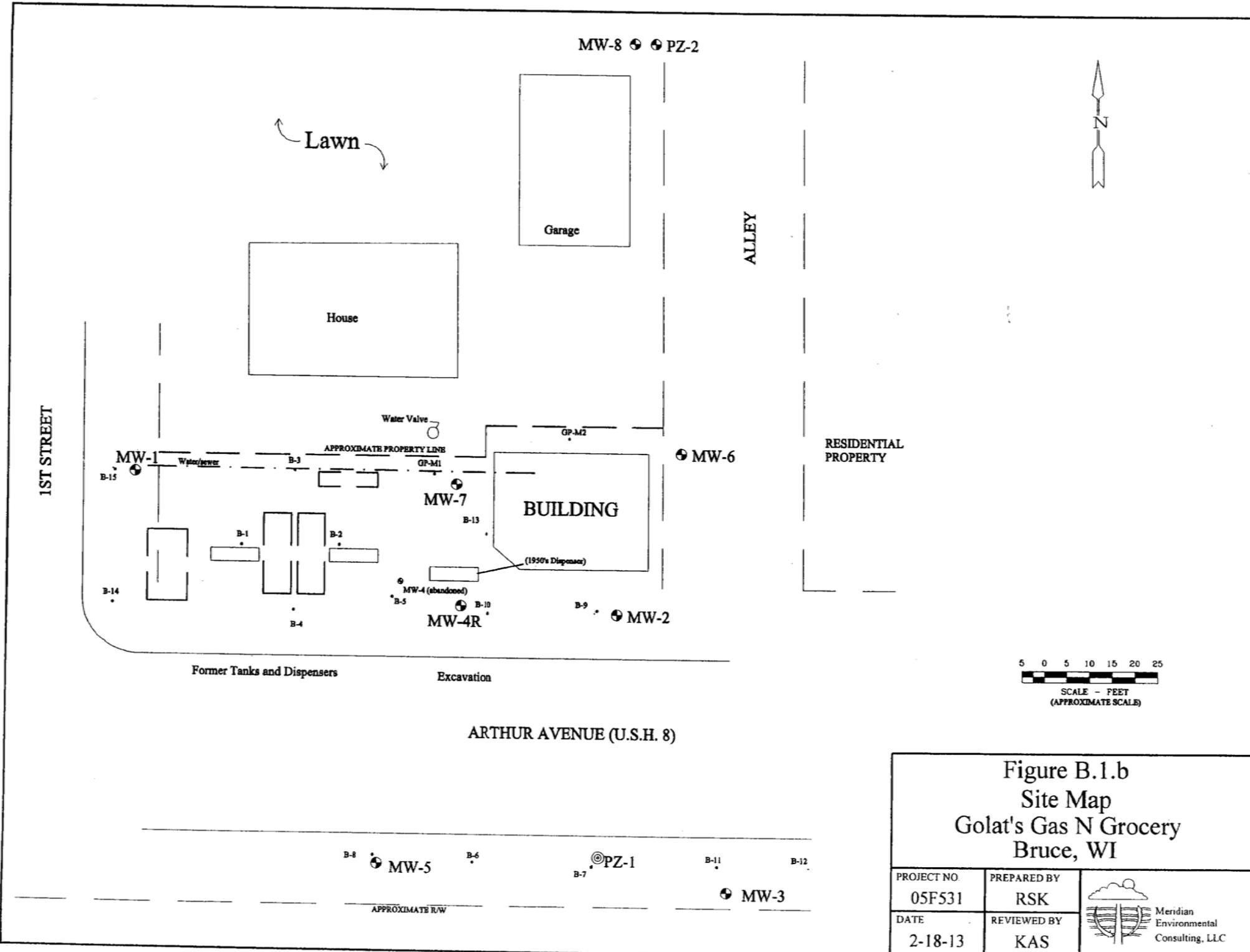


Figure B.1.b
 Site Map
 Golat's Gas N Grocery
 Bruce, WI

PROJECT NO 05F531	PREPARED BY RSK	 Meridian Environmental Consulting, LLC
DATE 2-18-13	REVIEWED BY KAS	

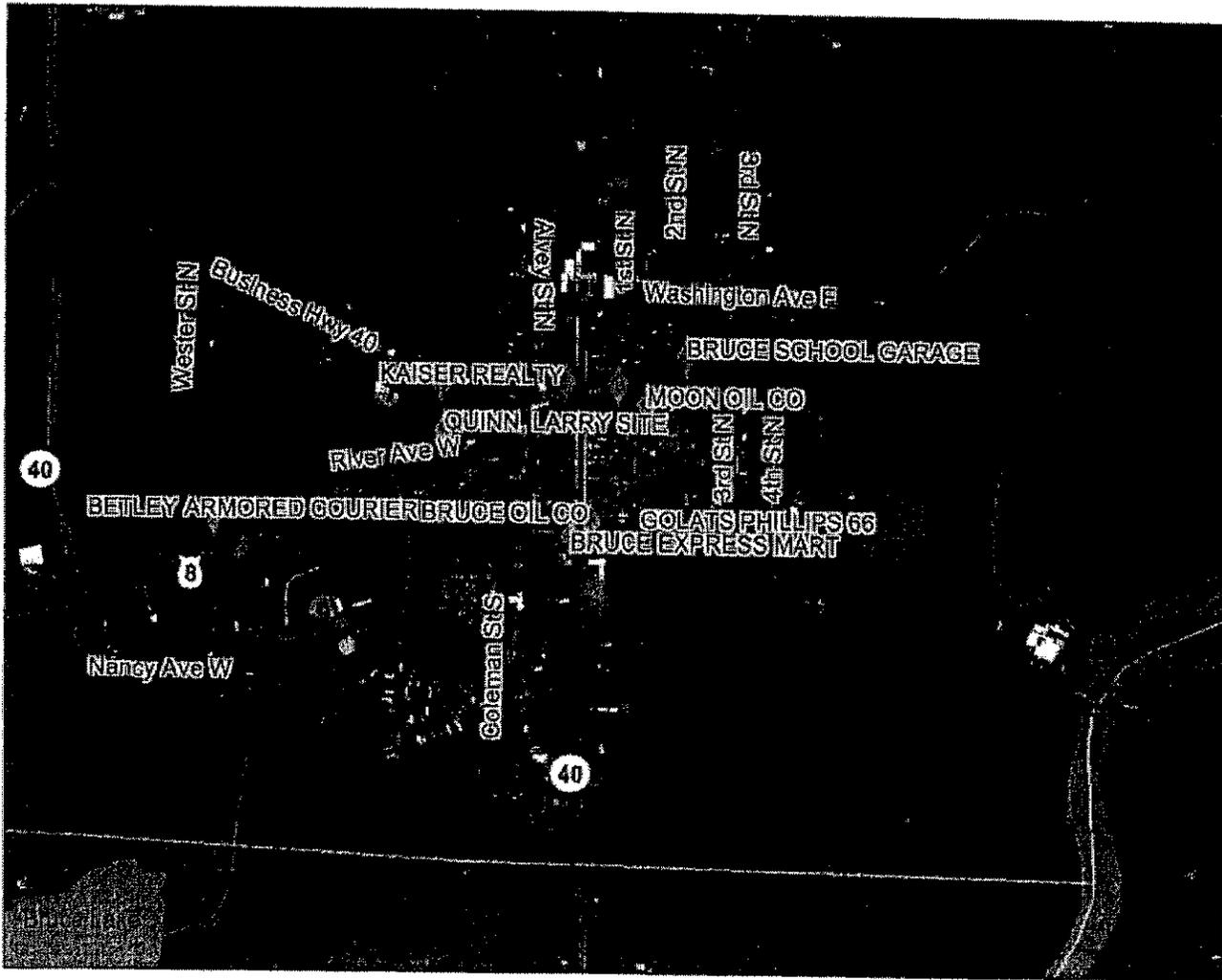
Figure B.1.c RR Site Map

Map Created on Jan 21, 2013



Legend

- Open Sites (ongoing cleanups)
- Open Sites (ongoing cleanups) - site boundaries shown
- Closed Sites (completed cleanups)
- Closed Sites (completed cleanups) - site boundaries shown
- County Boundary
- Railroads
- County Roads (WDOT)
- County Trunk Highway
- State and U.S. Highways (WDOT)
- State Trunk Highway
- US Highway
- Interstate Highways (WDOT)
- Interstate Highway
- Local Roads (WDOT)
- Civil Towns
- Civil Town
- 24K Open Water
- 24K Rivers and Shorelines
- Municipalities



0 1250 2500 3750 ft.

Map created on Jan 21, 2013

Note: Not all RR Sites have been geo-located yet.



Scale: 1:12,818

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

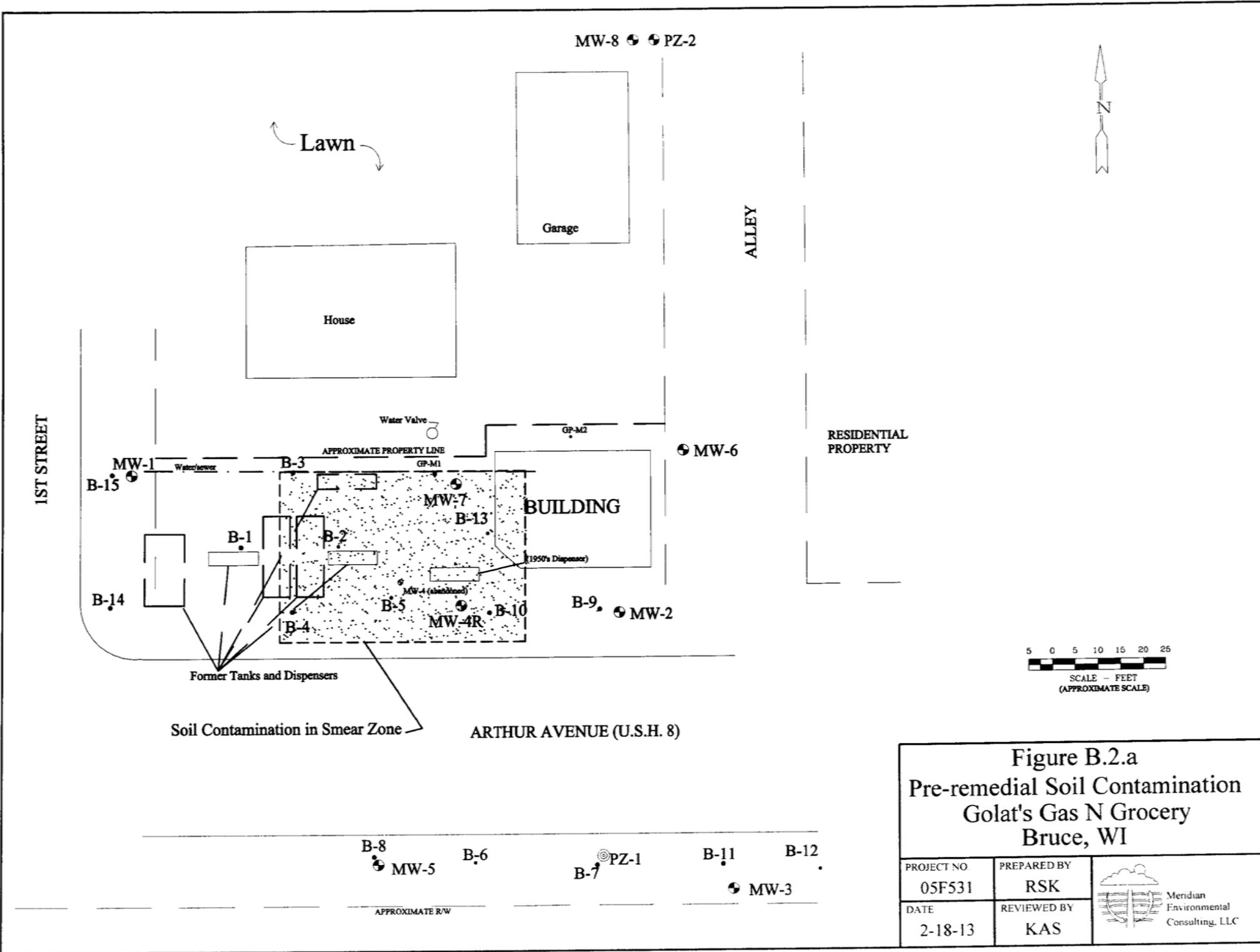
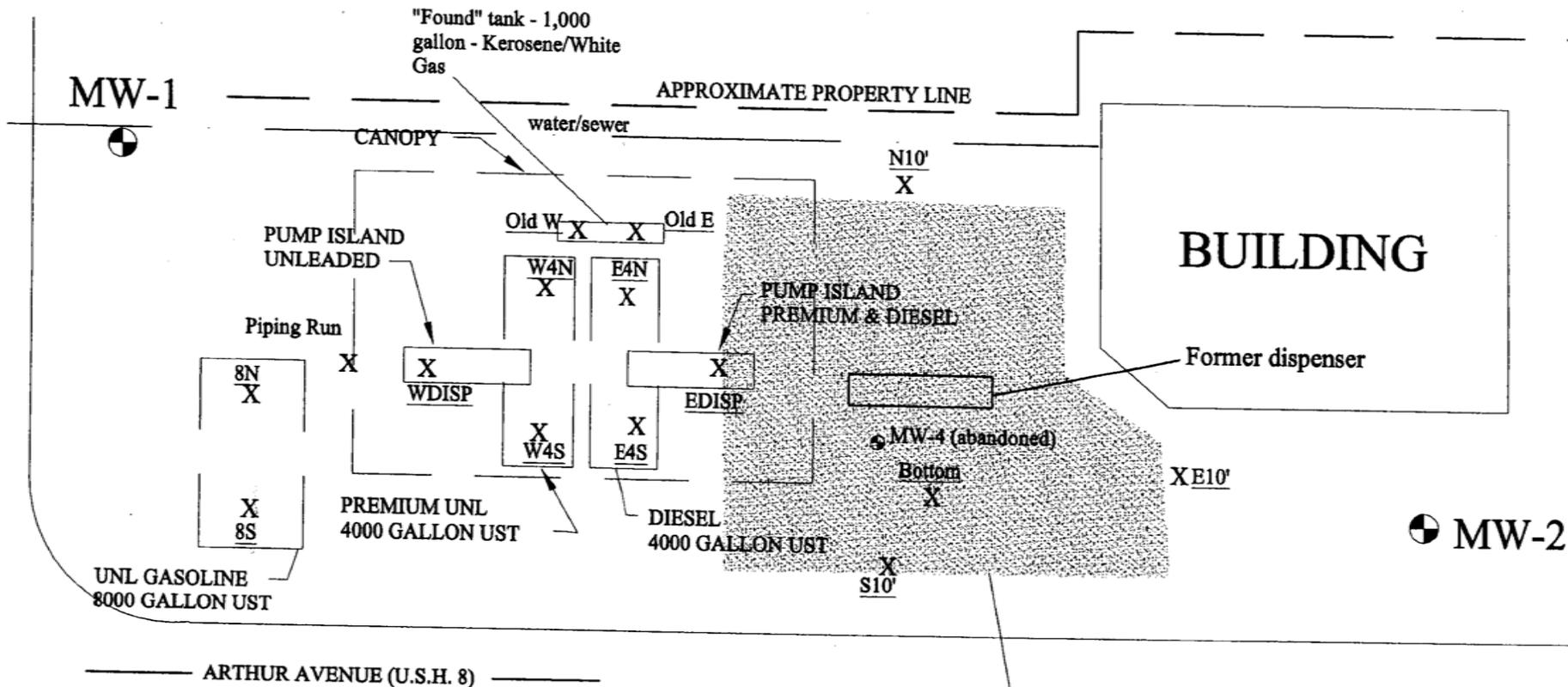


Figure B.2.a
Pre-remedial Soil Contamination
Golat's Gas N Grocery
Bruce, WI

PROJECT NO 05F531	PREPARED BY RSK	 Meridian Environmental Consulting, LLC
DATE 2-18-13	REVIEWED BY KAS	



Excavation

X 8S - Tank Closure Sample Location



APPROXIMATE SCALE



Figure B.2.b Tank Closure Sampling and Excavation Golat's Gas N Grocery Bruce, WI		
PROJECT NO. 05C531	PREPARED BY KAS	 Meridian Environmental Consulting, LLC
DATE 2/18/13	REVIEWED BY KAS	

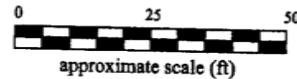
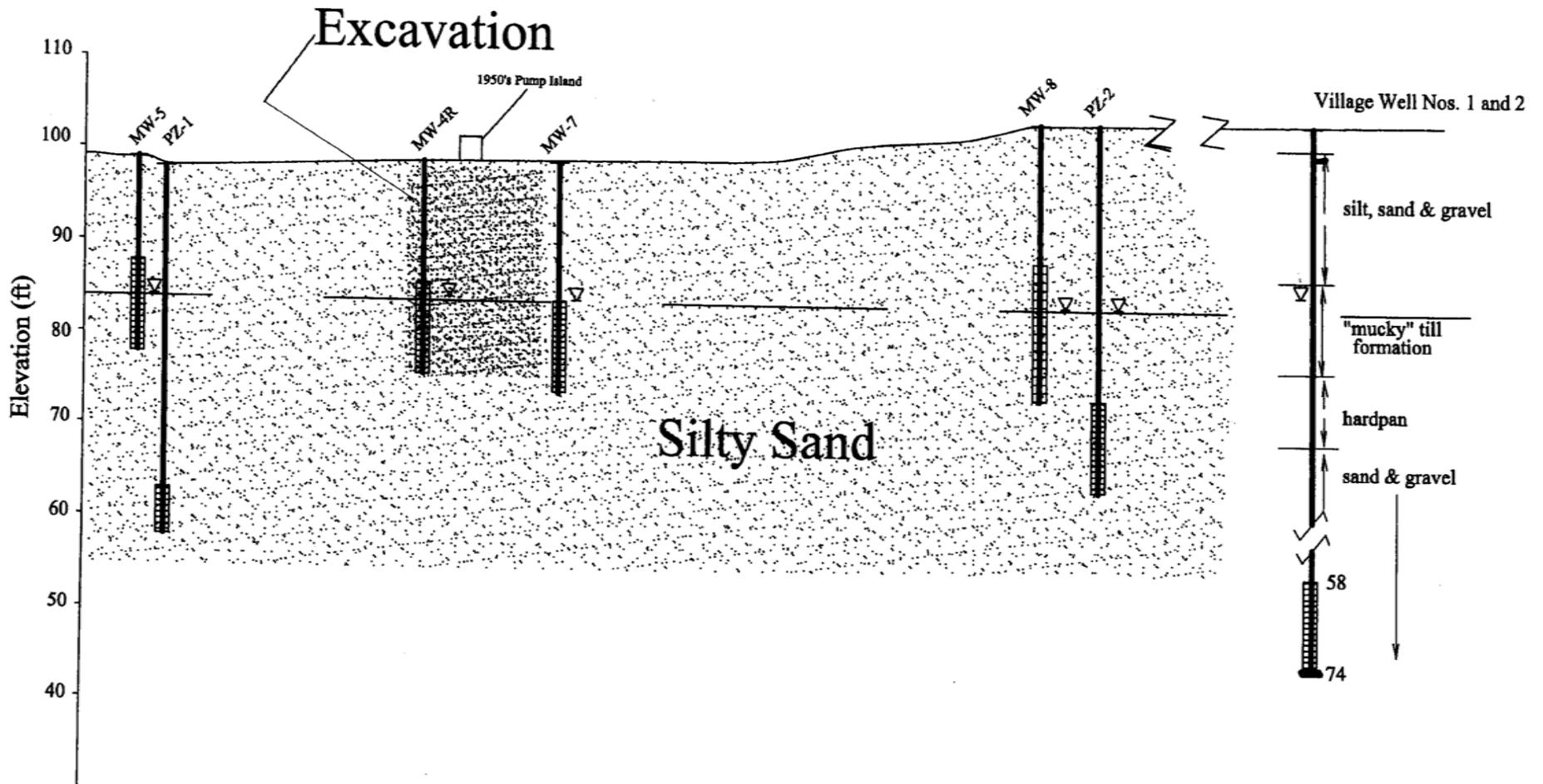


Figure B.3.a
Cross Section
Golat's Gas N Grocery
Bruce, WI

PROJECT NO. 05F531	PREPARED BY RSK	 Mendian Environmental Consulting, LLC
DATE 2/18/13	REVIEWED BY KAS	

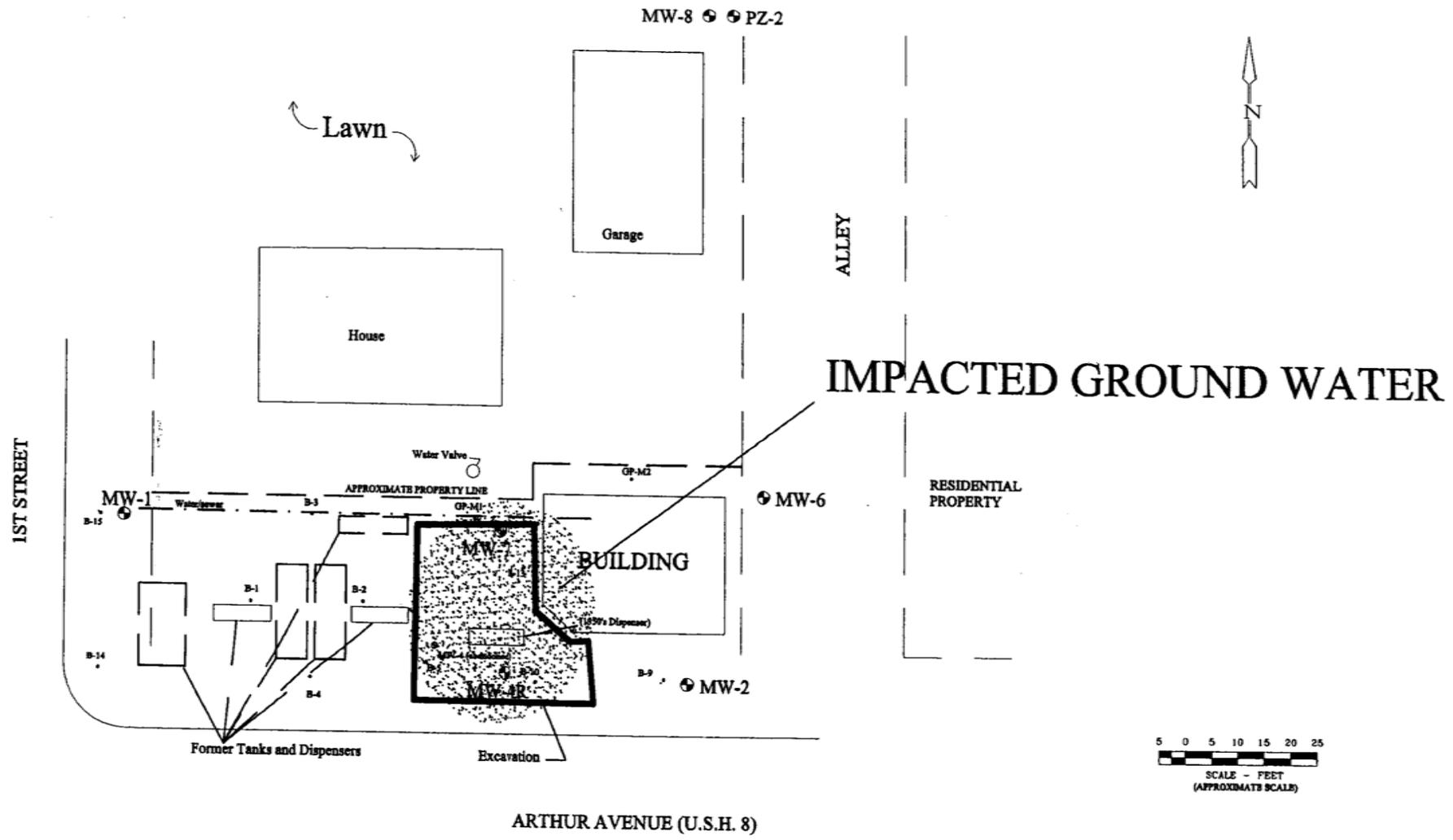


Figure B.3.b
Estimated Extent of Impacted Ground Water
Golat's Gas N Grocery
Bruce, WI

PROJECT NO. 05F531	PREPARED BY RSK	 Meridian Environmental Consulting, LLC
DATE 2/18/13	REVIEWED BY KAS	

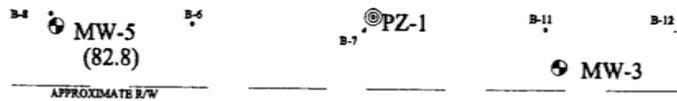
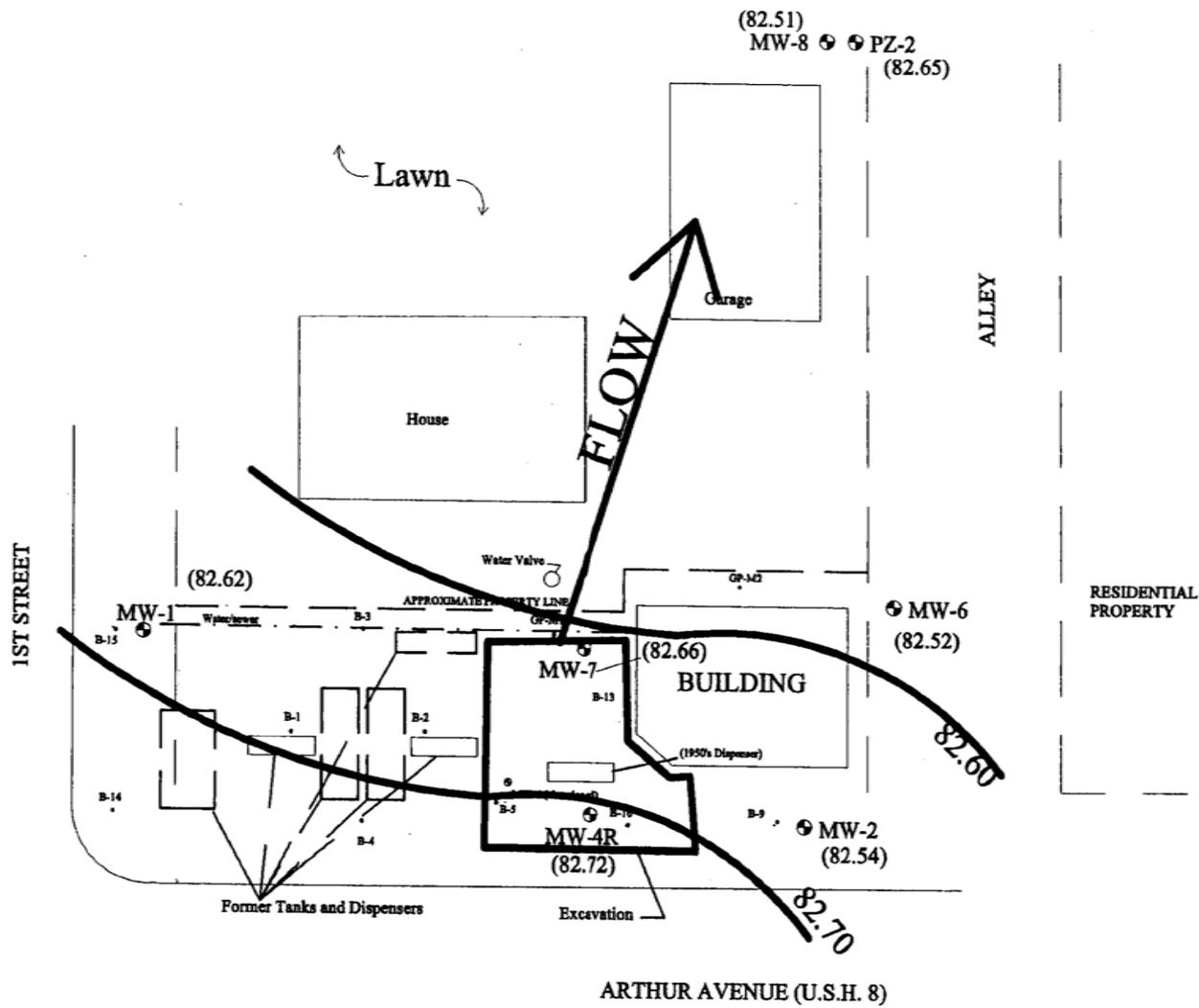


Figure B.3.c
 Ground Water Table Contour Map (8/17/12)
 Golat's Gas N Grocery
 Bruce, WI

PROJECT NO. 05F531	PREPARED BY RSK	 Meridian Environmental Consulting, LLC
DATE 2-2-12	REVIEWED BY KAS	

Documentation of Remedial Action (Attachment C)

DISCLAIMER

Documents contained in Attachment C of the Case Closure – GIS Registry (Form 4400-202) are not included in the electronic version (GIS Registry Packet) available on RR Sites Map to limit file size.

For information on how to obtain a copy or to review the file, please contact the Remediation & Redevelopment (RR) Environmental Program Associate (EPA) at dnr.wi.gov/topic/Brownfields/Contact.html



ATTACHMENT D

ATTACHMENT E

All monitoring wells are located and will be abandoned upon receipt of Closure.

ATTACHMENT F

Notifications to Property Owners

June 19, 2013

Michael Wetzel
W9070 Hwy. 8
Ladysmith, WI 54848

Subject: GIS Notification for 212 E Arthur Ave, Bruce, 54819

DNR BRRTS No. 03-55-236132
PECFA No. 54819-9500-12
Meridian No. 05F531

Dear Mike:

This letter is in regards to the investigation of a release of petroleum at the property known as 212 E Arthur Ave, Bruce, Wisconsin 54819. This property was formerly a gas station (Golats Phillips 66). Petroleum releases from the former petroleum system contaminated the underlying soil and ground water. We investigated the extent of this soil and ground water contamination.

Based on the data collected, we are now submitting this site to the Department of Natural Resources (DNR) for Closure. As part of the Closure process, we are required to provide this notification letter to you.

The impacted soil was removed by an excavation in 2008. The remaining soil and ground water contamination will naturally degrade over time. This is known as *natural attenuation*. Allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure that are found in chapter NR726 and Chapter NR746, Wisconsin Administrative Code. The DNR will accept natural attenuation as the final remedy for this site and grant case closure. Closure means that the Department will not be requiring any further investigation or cleanup action to be taken, other than the reliance on natural attenuation.

The Department of Natural Resources will not review my closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the Department to provide any technical information indicating closure should not be granted for this site. If you would like to submit any information to the Department of Natural Resources that is relevant to this closure request, you should mail that information to: Carrie Stoltz, Wisconsin Department of Natural Resources, 107 Sutliff Avenue, Rhinelander, Wisconsin 54501.

Please review the legal description of your property (below) and notify me within the next 30 days if the legal description is incorrect. A copy of the Deed is enclosed for reference.

Part of Lot Fourteen (14) in Block Twelve (12), original plat of the Village of Bruce, more particularly described as follows: Beginning at the Southwest corner of said Lot 14 and going thence North along the West Lot Line 26 feet, thence East parallel with the South Lot Line a

distance of 88 feet, thence North parallel with the West Lot Line a distance of 8 feet, thence East parallel with the South Lot Line 33.17 feet to the East Lot Line, thence South along the East Lot Line to the Southeast corner thereof, thence West along the South Line of said Lot 14 to the place of beginning, Rusk County, State of Wisconsin.

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

Under s. 292.12(5), Wis. Stats., occupants of this property are responsible for complying with any continuing obligations. Please notify any current and future occupants that may be affected by a continuing obligation, by supplying them with a copy of this letter. The DNR fact sheet, RR-819, "Continuing Obligations for Environmental Protection", has been included with this letter, to help explain a property owner's responsibility for continuing obligations on their property. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf>.

If closure for this site is approved, the following continuing obligation will be required.

- *If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval.*
- *If any excavation is conducted (including removal of the building), the soil will need to be evaluated to determine if it is contaminated with petroleum. If it is, the soil will need to be disposed properly (landfill).*

The levels of ground water contamination are above the state ground water enforcement standards found in chapter NR140, Wisconsin Administrative Code. However, the environmental consultant who investigated this contamination informs me that this ground water contaminant plume is stable or receding and will naturally degrade over time. They believe that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure that are found in chapter Nr726 Wisconsin Administrative Code, and I will be requesting that the DNR accept natural attenuation as the final remedy for this site and grant case closure.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the remaining contamination. Any well driller who proposes to construct a well on your property in the future will first need to 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/org/water/dwg/forms/3300254.pdf>, or may be accessed through the GIS Registry web address in the preceding paragraph.

The DNR fact sheet RR671 – *What Landowners should know: Information about using natural attenuation to clean up contaminated ground water* has been included with this letter to help explain the use of natural attenuation as a remedy. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/files/PDF/pubs/rr/RR671.pdf>.

Residual soil contamination remains at the water table ("smear zone"). The remaining contaminants include petroleum. The following steps have been taken to address any exposure to

the remaining soil contamination. An excavation was completed which removed accessible contaminated soil.

If soil in the specific locations described above is excavated, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

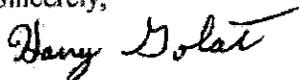
Structural impediments existing at the time of cleanup, such as the building, made complete investigation and remediation of the contamination on this property impracticable. Prior to the removal of the structural impediment, you will need to notify the Department of Natural Resources in order to determine if further investigation and cleanup will be required. If the structural impediments on this property are removed, the property owner will need to investigate the degree and extent of petroleum contamination and is responsible for any further cleanup necessary. Please note the site sampling work indicates petroleum impacts appear to be at the water table only.

Once the Department makes a decision on my closure request, it will be documented in a letter. You will receive a copy of this letter. You may also obtain a copy of this letter by requesting a copy from me, by writing to the agency address given above or by accessing the DNR Geographic Information System (GIS) Registry (via RR Site Map) on the internet at <http://dnr.wi.gov/topic/Brownfields/clean.html>. The final closure letter will contain a description of the continuing obligation, any prohibitions on activities and will include any applicable maintenance plan. The final closure letter, any required maintenance plan and a map of the properties affected will be included as part of the site file attached on the GIS Registry.

If this case is closed, all properties within the site boundaries where soil and groundwater contamination exceeds chapter NR 140 groundwater enforcement will be listed on the publically accessible Bureau for Remediation and Redevelopment Tracking System on the Web (BOTW) to provide public notice of remaining contamination and of any continuing obligations. In addition, information will be displayed on the Remediation and Redevelopment Sites Map (RR Sites Map); a mapping application, under the GIS Registry theme. This GIS Registry is available to the general public on the Department of Natural Resources' internet web site. DNR approval prior to well construction or reconstruction is required for all sites shown on the GIS Registry, in accordance with s. NR812.09(4)(w), Wis. Adm. Code.

If you need more information about our request for closure, you may contact me at (715)868-7655 or Carrie Stoltz (DNR) at 715/365-8942.

Sincerely,



Harry Golat
N5981 Dearhamer Road
Bruce, Wisconsin 54819
715-868-7655

U.S. Postal Service
CERTIFIED MAIL[®] RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com.

OFFICIAL USE

7012 1010 0001 4297 4861

Postage	\$0.86	0010
Certified Fee	\$3.10	03
Return Receipt Fee (Endorsement Required)	\$2.55	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	06/20/2013
Total Postage & Fees	\$6.51	

Sent To Mike Wetzel
 Street, Apt. No.,
 or PO Box No. W 9070 Hwy 8 East
 City, State, ZIP+4[®] Ladysmith WI 54848

PS Form 3800, August 2005 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- 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.

1. Article Addressed to:

Mike Wetzel
W 9070 Hwy 8 East
Ladysmith WI 54848

2. Article Number

(Transfer from service label)

7012 1010 0001 4297 4861

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

x Michael L. Wetzel Agent Addressee

B. Received by (Printed Name)

Michael L. Wetzel

C. Date of Delivery

6-21-13

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type

- Certified Mail Express Mail
- Registered Return Receipt for Merchandise
- Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee)

Yes

ATTACHMENT G

Source Legal Documents

To the best of my knowledge, the attached legal description (Deed Document Number 291979) accurately describes the property located at 212 East Arthur Avenue, Bruce, Wisconsin.

Harry Golat
Harry Golat

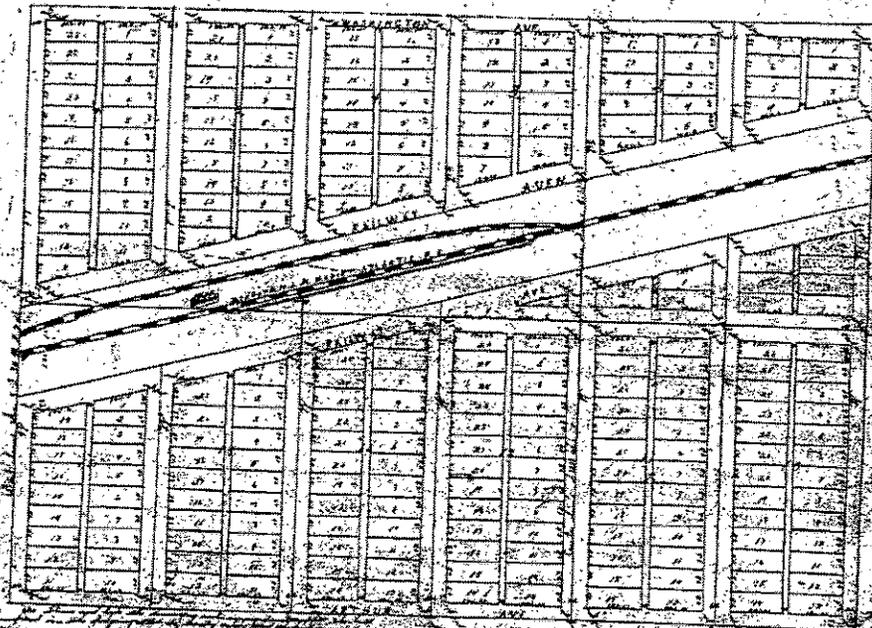
Date: 1-28-13

PLAT OF BRUCE

Cliffhous Co.

Wisconsin

Surveyed Oct. 1899
By STAM - LYDE and LEO MINNERPALL.



[Faint, illegible text, likely a legal description or deed, located below the plat map.]

Ken Shimko

From: "Terry Hegeholz" <brucevil@brucetel.net>
To: <kshimko.meridianenv@gmail.com>
Sent: Thursday, January 17, 2013 2:47 PM
Attach: Scan f001.pdf
Subject: FW: Scan from a DELL MFP

Ken,

The property at 212 E. Arthur Avenue (Parcel # 106-00179-0000) in the Village of Bruce is zoned B-1 Commercial. Attached is a map of our zoning and assessment roll for the property.

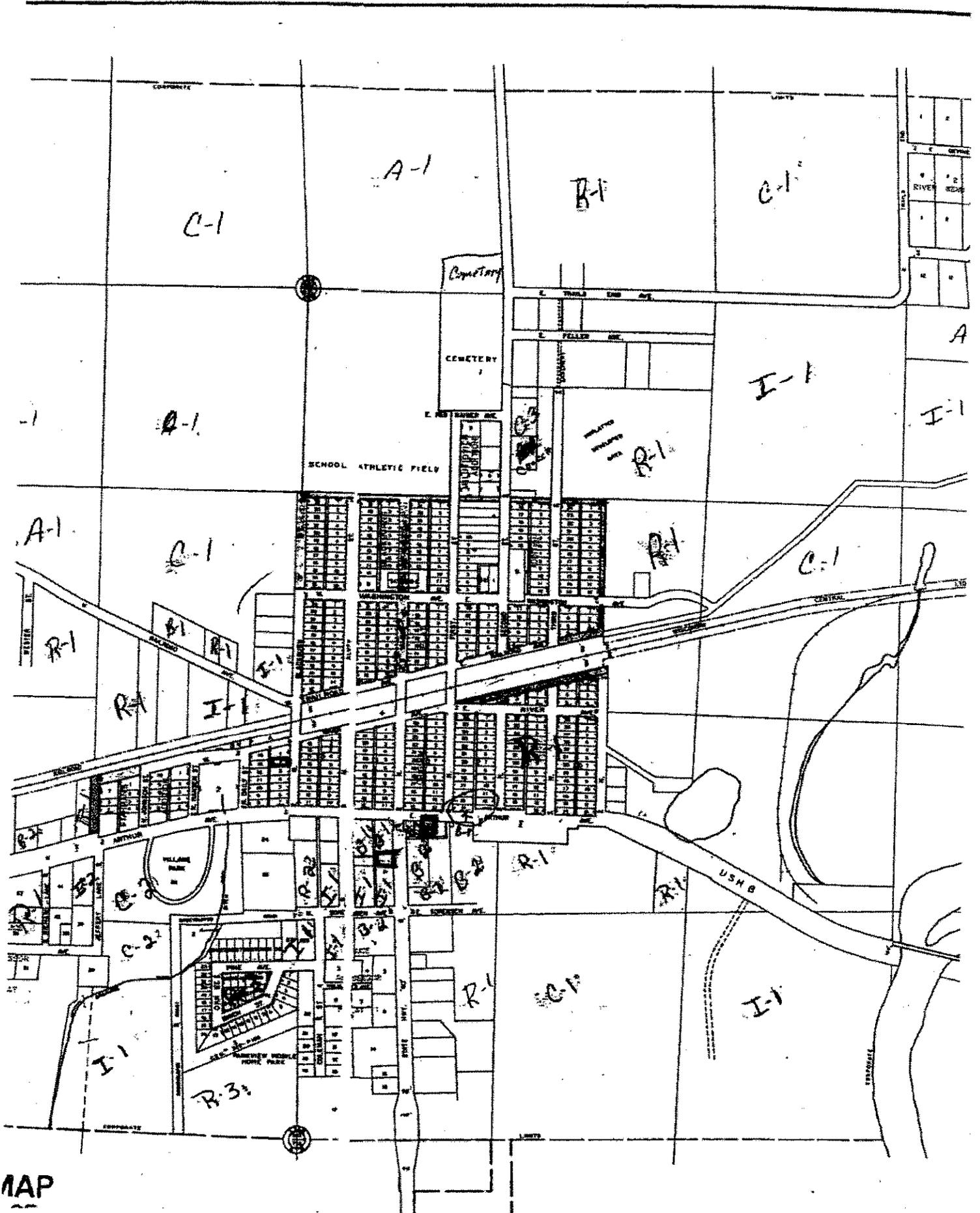
If you need any other information let me know.

Terry Hegeholz
715-868-2185

-----Original Message-----

From: brucevil@brucetel.net [mailto:brucevil@brucetel.net]
Sent: Thursday, January 17, 2013 2:32 PM
To: Bruce Village; brucevil@brucetel.net
Subject: Scan from a DELL MFP

Scanned and Emailed from The Village of Bruce



MAP

