

## Source Property Information

CLOSURE DATE: 07/29/2014

**BRRTS #:** 03-37-557673  
**ACTIVITY NAME:** Stratford Bus Garage  
**PROPERTY ADDRESS:** 357 N 3rd Ave  
**MUNICIPALITY:** Stratford  
**PARCEL ID #:** 18227041931091

**FID #:** 737174460  
**DATCP #:**  
**PECFA#:** 54484999957

**\*WTM COORDINATES:**

X: 513950 Y: 481148

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

**WTM COORDINATES REPRESENT:**

- Approximate Center Of Contaminant Source  
 Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

### CONTINUING OBLIGATIONS

#### Contaminated Media for Residual Contamination:

- |  |   |
|--|---|
| <input type="checkbox"/> <u>Groundwater</u> Contamination > ES (236)<br><input type="checkbox"/> Contamination in ROW<br><input type="checkbox"/> Off-Source Contamination<br><i>(note: for list of off-source properties<br/>see "Impacted Off-Source Property Information,<br/>Form 4400-246")</i> | <input checked="" type="checkbox"/> <u>Soil</u> Contamination > *RCL or **SSRCL (232)<br><input type="checkbox"/> Contamination in ROW<br><input type="checkbox"/> Off-Source Contamination<br><i>(note: for list of off-source properties<br/>see "Impacted Off-Source Property Information,<br/>Form 4400-246")</i> |
|--|---|

#### Site Specific Obligations:

- |  |   |
|--|---|
| <input type="checkbox"/> Soil: maintain industrial zoning (220)<br><i>(note: soil contamination concentrations<br/>between non-industrial and industrial levels)</i> | <input type="checkbox"/> Cover or Barrier (222)<br><input type="checkbox"/> Direct Contact<br><input type="checkbox"/> Soil to GW Pathway   |
| <input checked="" type="checkbox"/> Structural Impediment (224)  | <input type="checkbox"/> Vapor Mitigation (226)   |
| <input type="checkbox"/> Site Specific Condition (228)   | <input type="checkbox"/> Maintain Liability Exemption (230)<br><i>(note: local government unit or economic<br/>development corporation was directed to<br/>take a response action )</i> |

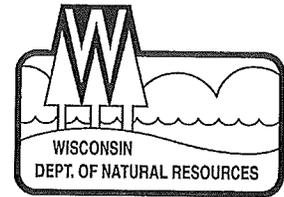
#### Monitoring Wells:

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

Yes  No  N/A

\* Residual Contaminant Level

\*\*Site Specific Residual Contaminant Level



July 29, 2014

Tom Griffith  
Ulrich Family Limited Partnership  
PO Box 107  
Stratford, WI 54484

**KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS**

SUBJECT: Final Case Closure with Continuing Obligations  
Stratford Bus Garage, 357 N 3rd Ave, Stratford  
DNR BRRTS # 03-37-557673 PECFA # 54484-9999-57-B

Dear Mr. Griffith:

The Department of Natural Resources (DNR) considers Stratford Bus Garage 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 West Central Region (WCR) Closure Committee reviewed the request for closure on April 3, 2014. 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 April 24, 2014, and documentation that the conditions in that letter were met was received on July 14, 2014.

A building on this site is used for the maintenance of vehicles. An underground waste oil tank was removed from the south side of this maintenance building. Soils were excavated to the depth of 4' was completed on the south side of the building in order to meet direct contact levels for Benzo(a)pyrene. 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.

- 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>.

#### 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 Wisconsin Rapids Regional DNR office, at 473 Griffith Avenue, Wisconsin Rapids. 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 you and any subsequent property owners must adhere. DNR staff will conduct periodic prearranged inspections to ensure that the conditions included in this letter are met. If these requirements are not followed, the DNR may take enforcement action under s. 292.11, Wis. Stats. to ensure compliance with the specified requirements, limitations or other conditions related to the property.

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

Department of Natural Resources

Attn: Dee Lance

473 Griffith Avenue

Wisconsin Rapids WI 54494

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

Soil contamination remains under the Stratford Bus Garage and at GP11 as indicated on the attached map **Area of Structural Impediment, B.4.c. dated 6/10/14**. 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.

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

The remaining bus garage as shown on the attached map – **Area of Structural Impediment, B.4.c. dated 6/10/14**, 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 Benzo(a)pyrene 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.

#### 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 Dee Lance at (715) 421-7862, or at [dee.lance@wisconsin.gov](mailto:dee.lance@wisconsin.gov).

Sincerely,

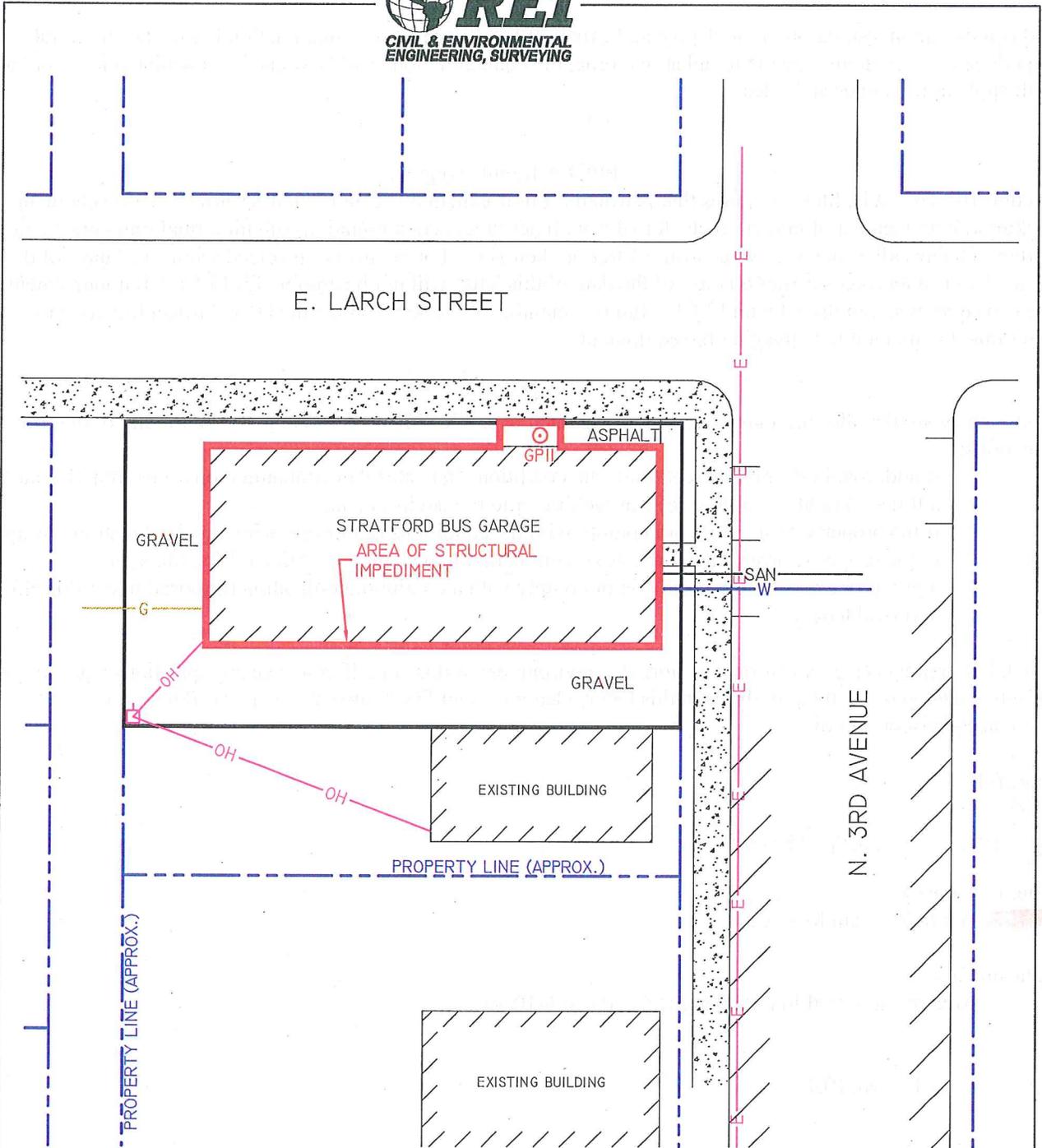


Connie Antonuk  
Air and Waste Program Manager

#### Attachments:

- Area of Structural Impediment, B.4.c. dated 6/10/14

cc: Dave Larsen, REI



DRAWING FILE: P:\5900-5999\5900-STRATFORD BUS\DWG\5900-STRUCTURAL IMPEDIMENT.DWG LAYOUT: SI PLOTTED: JUN 20, 2014 - 10:01AM PLOTTED BY: TODDW

LEGEND	
	0 40 SCALE: 1" = 40'



REI Engineering, INC.

STRATFORD BUS GARAGE  
 357 N. 3RD AVENUE  
 STRATFORD, WISCONSIN

FIGURE: B.4.c AREA OF STRUCTURAL IMPEDIMENT

PROJECT NO.	5900	DRAWN BY:	TAW	DATE:	6/10/2014
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**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. 03-37-557673		Parcel ID No. 18227041931091	
BRRTS Activity (Site) Name Stratford Bus Garage		WTM Coordinates X 513950 Y 481148	
Street Address 357 N 3rd Avenue		City Stratford	State   ZIP Code WI   54484
Responsible Party (RP) Name Tom Griffith			
Company Name Ulrich Family Limited Partnership			
Street Address PO Box 107		City Stratford	State   ZIP Code WI   54484
Phone Number (715) 687-4338		Email	

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

Environmental Consultant Name David Larsen			
Consulting Firm REI Engineering, Inc.			
Street Address 4080 N 20th Avenue		City Wausau	State   ZIP Code WI   54401
Phone Number (715) 675-9784		Email dlarsen@reiengineering.com	
Acres Ready For Use 0.28		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.*

- 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:
  - \$1,050 Closure Fee
  - \$300 Database Fee for Soil
  - \$350 Database Fee for Groundwater or Other Condition (MW Not Abandoned)

Total Amount of Payment \$ \$1,350.00
- 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.  
The site is located in the Village of Stratford, Marathon County, WI located near the center of the village. The property is currently operated as the Stratford Bus Garage and houses the maintenance facility as well as the offices. East Larch Street borders the site to the north with residential property beyond. North 3rd Avenue borders to the east with Klemme Park beyond. An alley borders the site to the south with mixed commercial and residential property beyond. Another alley borders the site to the west with residential property beyond.
- B. **Prior and current site usage:** Specifically describe the current and historic occupancy and types of use.  
The site had previously been operated as the Kuyoth Bus Garage. The property is currently operated as the Stratford Bus Garage and houses the maintenance facility as well as the offices.
- C. Describe how and when site contamination was discovered.  
Contamination was discovered during a Tank System Site Assessment (TSSA) associated with the removal of a 250 gallon waste oil underground storage tank (UST) on August 31, 2011.
- D. Describe the type(s) and source(s) or suspected source(s) of contamination.  
The source is from the former 250 gallon UST registered to this property. This tank stored waste/used motor oil.
- E. Other relevant site description information (or enter Not Applicable).  
Not applicable.
- F. List BRRTS activity site name and number for all other BRRTS activities at this property, including closed cases.  
Kuyoth Bus Service (03-37-271009)
- 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.  
No BRRTS listings for adjacent properties.
- H. **Current zoning** (e.g. industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).  
The 357 North 3rd Ave site is zoned commercial as well as the adjacent parcels to the west and south. The parcels located to the north across East Larch Street are zoned residential, and the property to the east across North 3rd Avenue is zoned municipal.

### 2. General Site Conditions

- A. Soil/Geology
- Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.  
The dominant soil type at this site is brown lean clay (USCS Classification - CL) overlaid by 2 feet of rotten granite and fill material. The soil type was relatively consistent with depth and across the site. The borings at this site varied in depth from 8 to 16 feet below land surface.
  - Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.  
Sandy clay fill material was encountered in borings GP2 and GP3 at depths of 4 to 8 feet and 8 to 10 feet respectively. These borings were located directly adjacent to the building in the alley on the south side.
  - Depth to bedrock, bedrock type, and whether or not it was encountered during the investigation.  
Depth to bedrock occurs at depths of greater than 25 feet in this area. The bedrock is composed of granite. Bedrock was not encountered during this investigation since the deepest boring was 16 feet below land surface (bls). Bedrock was also not encountered during the Kuyoth Bus Service investigation maximum boring depth of 36 feet bls
  - 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 is approximately 0.28 acres in size. The majority of the site is covered by the footprint of the approximately 6,400 square foot bus garage with the remainder being gravel parking and drive areas.
- 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.  
Groundwater was not investigated for this investigation, however the potentiometric surface of the water table was observed at approximately 10 feet bls during the previous (Kuyoth Bus Garage) investigation.
- ii. **Discuss groundwater flow direction(s), shallow and deep.** Describe and explain flow variations, including fracture flow if present.  
Groundwater flow was southeast during the previous (Kuyoth Bus Garage) investigation.
- iii. **Discuss groundwater flow characteristics:** hydraulic conductivity, flow rate and permeability, or state why this information was not obtained.  
Hydraulic conductivity was calculated for the previous investigation to be approximately 0.003 feet per day, with a flow rate estimated at 0.1 feet per year based on a porosity of 0.2 and a 0.013 ft/ft gradient.
- iv. **Identify and describe locations/distance of potable and/or municipal Wells within 1200 feet of the site.**  
There are no potable wells within 1200 feet of the site. See figure B.1.a Location Map. The closest municipal well is approximately 1,500 feet south/southwest of the site.

### 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 Underground Storage Tank (UST) was removed from the site on August 31, 2011. Contamination above the compounds specific detection limits were detected during the tank system site assessment. The known release was reported to the WDNR on September 2, 2011. The Underground Storage Tank / Site Assessment, dated January 23, 2012, was submitted to the WDNR.

The Site Investigation Work Plan, dated July 20, 2010 was submitted to WDNR for approval. On August 6, 2012, REI was onsite to advance eight (8) soil borings (Borings GP1-GP8). On February 12, 2013, REI was onsite to advance four (4) additional borings (GP9-GP12). On April 16, 2013, REI submitted an Environmental Site Investigation Report to WDNR summarizing field activities and findings. REI discovered the site had residual petroleum related soil contamination present which hadn't appeared to of migrated off the subject property. REI recommended the completion of a soil excavation to reduce the residual soil contamination to a point where it was no longer a threat to human health or the environment.

On June 10, 2013, REI was onsite to excavate contaminated soil at the site. A total of 686.67 tons of impacted soil was removed and transported to the Lincoln County Landfill biopile for final disposal. Analytical results were summarized and provided to the regulatory project manager for potential closure consideration.

- 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.**  
Residual soil contamination remains in the North 3rd Avenue right-of-way east of the property. The contamination is found at 2-4 feet below land surface at Geoprobe location GP12.
- iii. **Identify any structural impediments to the completion of site investigation and/or remediation and whether these impediments are on the source property or off the source property. Identify the type and location of any structural impediment (e.g., structure) that also serves as the performance standard barrier for protection of the direct contact or the groundwater pathway.**

The known structural impediments included the bus garage building, the building to the south, the sidewalk and 3rd Avenue. The excavation was completed tight to the bus garage building (with the east portion of the bus garage having a basement and the excavation was completed to the basement wall), the sidewalk and within two feet of the building to the south. Confirmation samples following the soil excavation only reported exceedances in the soil sample collected from CSS#5, which was eventually removed to expose the basement wall. While structural impediments exist, the excavation appears to have successfully removed the impacted soil with the exception of the elevated lead contamination identified at GP12 from 2-4 feet.

#### 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.**  
Soil contamination was concentrated to the alley way on the south side of the bus garage building. The area of soil contamination exceeding the RCL was defined to an area approximately 20 feet wide by 120 feet long. The highest levels of contamination were detected from approximately 2-4 feet below land surface. An excavation was performed at this site and therefore the majority of contaminated materials exceeding NR 720 RCLs were removed. The primary receptor is groundwater.

- ii. Describe the level and types of **soil contaminants** found in the upper four feet of the soil column.  
Soil samples collected in the top 4 feet on the source property exceeded the Not-To-Exceed Direct Contact Residual Contaminant Level (RCL) for benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, and dibenz[a,h]anthracene and lead prior to excavation
- iii. Identify the ch. NR 720, Wis. Adm. Code, method used to establish the soil cleanup standards for this site. This includes a soil performance standard established in accordance with s. NR 720.08, a Residual Contaminant Level (RCL) established in accordance with s. NR 720.10 that is protective of groundwater quality, or an RCL established in accordance with s. NR 720.12 that is protective of human health from direct contact with contaminated soil. Identify the land use classification that was used to establish cleanup standards. Provide a copy of the supporting calculations/information in Attachment C.  
The web based default RCLs were utilized.

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.  
Not applicable. Groundwater was not impacted by the waste oil release and was not investigated.
- ii. Describe the presence of free product at the site, including the thickness, depth, and locations.  
Free product was not observed during the investigation.

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.  
A vapor intrusion screening analysis was completed and included in the April 2013 Environmental Site Assessment Report. No samples were collected.
- ii. Identify the applicable DNR action levels and the land use classification used to establish them. Describe where the DNR action levels were reached or exceeded (e.g., sub slab, indoor air or both).  
Not applicable - no samples were collected.

E. Surface Water and Sediment

- i. Identify whether surface water and/or sediment was assessed and describe the impacts found. If this pathway was not assessed, explain why.  
Not investigated. Groundwater discharged from the site does not come into contact with surface waters.
- ii. Identify any surface water and/or sediment action levels used to assess the impacts for this pathway and how these were derived. Describe where the DNR action levels were reached or exceeded.  
None - not investigated.

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.  
A 686.67 ton soil excavation was completed June 10-11, 2013. Additional documentation including the landfill soil tonnage report and laboratory analytical report are included in Attachment C.
- B. Describe any immediate or interim actions taken at the site under ch NR 708, Wis. Adm. Code.  
The action taken at the site under ch. NR 708 was the remedial soil excavation.
- 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.  
No active remedial actions taken at the site.
- 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.  
Residual waste oil related soil contamination (lead) will remain in place in the 3rd Avenue at sample location GP12 at a depth of 2-4 feet. Identified residual concentrations exceed the allowable Groundwater Protection RCL, but are significantly less than the Not to Exceed Direct Contact RCL.

- E. Describe the remaining soil contamination within four feet of ground surface (direct contact zone) that attains or exceeds Residual Contaminant Levels established under s. NR 720. 12, the ch. NR720, Wis. Adm. Code, for protection of human health from direct contact.  
Residual waste oil related soil contamination (lead) will remain in place in the 3rd Avenue at sample location GP12 at a depth of 2-4 feet. Identified residual concentrations exceed the allowable Groundwater Protection RCL, but are significantly less than the Not to Exceed Direct Contact RCL.
- F. Describe the remaining soil contamination in the vadose zone that attains or exceeds the soil standard(s) for the groundwater pathway.  
Soil RCL exceedances for lead were present at 2-4 feet in GP12.
- 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.  
Residual soil contamination remains in 3rd Avenue. Notifications have been provided to the Village of Stratford alerting them to the residual contamination.
- 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).  
Groundwater was not impacted or evaluated at the site.
- 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.  
The completed soil excavation removed all the soil contamination from the subject property and the neighboring property to the south. Low level residual lead contamination remains in place at GP12 (3rd Avenue) and is not a threat for either direct contact or impact to the groundwater.
- J. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain.  
Not applicable, no active system components were installed during the investigation.
- 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.  
Groundwater was not impacted or evaluated at the site.
- 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.  
Vapors were not evaluated at the site.
- 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.  
Not applicable - no surface waters were near the investigation site.

**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 checked="" type="checkbox"/>	Residual soil contamination exceeds ch. NR 720 generic or site-specific RCLs	✓
ii.	<input 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 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 (3)(c), Wis. Adm. Code, in the format required in s. NR 716.15(4)(e), Wis. Adm. Code.
- Include in Attachment A all of the following tables, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: A.1. Groundwater Analytical Table; A.2. 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

Save...

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(4), 726.09(2) and 726.11(3), (5) and (6), 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) established in accordance with the provisions contained in s. NR 720.10 or s. NR 720.12, Wis. Adm. Code.
- B.1.c. **RR Site Map:** From RR Sites Map ([http://dnrmaps.wi.gov/sl/?Viewer=RR Sites](http://dnrmaps.wi.gov/sl/?Viewer=RR%20Sites)) attach a map depicting the source property, and all open and closed BRRTS sites within a half-mile radius or less of the property.

#### B.2. Soil Figures

- B.2.a. **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) established in accordance with the provisions contained in s. NR 720.10 or s. NR 720.12, 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) established in accordance with the provisions contained in s. NR 720.10 or s. NR 720.12, 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) established in accordance with the provisions contained in s. NR 720.10 or s. NR 720.12, Wis. Adm. 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. **Structural Impediment**

### 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. **Provide a description of the methodology used along with all supporting documentation if the Residual Contaminant Levels are different than those contained in the Department's RCL Spreadsheet available at:** <http://dnr.wi.gov/topic/Brownfields/Professionals.html>.

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) and Photographs (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 listed 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](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.
- D.6. Photographs
  - D.6.a. For site or facilities with a cover or other performance standard, a structural impediment or a vapor mitigation system, include one or more photographs documenting the condition and extent of the feature at the time of the closure request. Pertinent features shall be visible and discernible.
  - D.6.b. Photographs shall be submitted with a title related to the site name and location, and the date on which it was taken.

#### 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/topic/groundwater/documents/forms/4400\\_113\\_1\\_2.pdf](http://dnr.wi.gov/topic/groundwater/documents/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.
- Use of Form 4400-286, Notification of Residual Contamination and Continuing Obligations, is required under ch. NR 725 for notifying property owners and right-of-way holders about residual contamination affecting their properties, and of continuing obligations which may be imposed. This form can be downloaded at <http://dnr.wi.gov/files/PDF/forms/4400/4400-286.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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residual groundwater contamination exceeds Ch. NR 140 Wis. Administrative Code enforcement standards.
2.	<input type="checkbox"/>	<input checked="" 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 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 checked="" type="checkbox"/>	<input 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:

- 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.*
- 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)).
- Verification of Zoning:** Documentation (e.g., official zoning map or letter from municipality) of the property's or properties' current zoning status.
- Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes 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 box for this case closure request, and have either a professional engineer or a hydrogeologist, as defined in ch. NR 712, Wis. Adm. Code, sign this document.

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

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

**Engineering Certification**

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

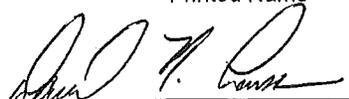
\_\_\_\_\_  
Printed Name Title

\_\_\_\_\_  
Signature Date P.E. Stamp and Number

**Hydrogeologist Certification**

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

David N. Larsen \_\_\_\_\_  
Printed Name Title Hydrogeologist

 \_\_\_\_\_  
Signature Date 6-10-14

## **ATTACHMENT A.1**

### **GROUNDWATER ANALYTICAL TABLE(S)**

Not applicable. Groundwater was not impacted at the site

**TABLE A.2.1**  
**PRE-REMEDIAL SOIL ANALYTICAL TABLES**  
**STRATFORD BUS GARAGE - WASTE OIL UST**  
**357 N 3rd STREET**  
**STRATFORD, WISCONSIN**

<i>Sample--&gt;</i>				GP1		GP2		GP3		GP4		GP5		GP6		GP7		GP8	
<i>Date--&gt;</i>				08/06/12		08/06/12		08/06/12		08/06/12		08/06/12		08/06/12		08/06/12		08/06/12	
<i>Sample Depth--(Feet)&gt;</i>				2-4	8-10	2-4	6-8	2-4	6-8	2-4	6-8	2-4	6-7	2-4	6-7	2-4	6-7	2-4	6-7
<i>Percent Solids--&gt;</i>				81.5%	82.2%	85.6%	83.1%	81.1%	80.7%	70.7%	82.5%	79.8%	81.5%	71.6%	81.4%	85.9%	78.7%	81.2%	78.2%
<b>Metals</b>	NTEDC	GW	Units																
Cadmium	70.2	0.376	mg/kg	< 0.038	< 0.034	0.068*	< 0.037	0.45*	< 0.034	1.3	< 0.034	0.44*	< 0.034	2.0%	< 0.036	< 0.34	< 0.038	< 0.036	< 0.038
Lead	400	13.50	mg/kg	8.0	5.5	<b>258</b>	7.0	<b>68.6</b>	9.0	<b>28.7</b>	8.2	<b>27.0</b>	6.4	<b>236</b>	6.1	<b>32.5</b>	6.9	8.6	5.8
<b>VOC Parameters</b>																			
Benzene	1,490	2.6	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Ethylbenzene	7,470	785	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Methyl t-Butyl Ether	59,400	13.5	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Toluene	818,000	553.6	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
1,2,4-Trimethylbenzene	89,800	689.7	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
1,3,5-Trimethylbenzene	182,000	689.7	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Xylenes (Total)	258,000	1,970	ug/kg	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
<b>PAH Parameters</b>																			
Acenaphthene	3,440,000	NS	ug/kg	< 10.2	< 10.1	< 9.7	< 10.0	< 20.5	< 10.3	< 58.9	< 10.1	< 10.4	< 10.2	< 11.6	< 10.2	< 9.7	< 10.6	< 10.3	< 10.7
Acenaphthylene	487,000	NS	ug/kg	< 10.2	< 10.1	< 9.7	< 10.0	60.8	< 10.3	< 58.9	< 10.1	22	< 10.2	33.5	< 10.2	18.5*	< 10.6	< 10.3	< 10.7
Anthracene	17,200,000	98,372	ug/kg	< 2.1	< 2.1	4.2*	< 2.1	107	< 2.1	42.3*	< 2.1	26.3	< 2.1	31.4	< 2.1	24.9	< 2.2	< 2.1	< 2.2
Benzo[a]anthracene	148	NS	ug/kg	< 10.2	< 10.1	12.8*	< 10.0	<b>462</b>	< 10.3	73.1*	< 10.1	69.5	< 10.2	67.7	< 10.2	61.1	< 10.6	< 10.3	< 10.7
Benzo[a]pyrene	15	235	ug/kg	< 10.2	< 10.1	<b>17.9*</b>	< 10.0	<b>533</b>	< 10.3	<b>98.9*</b>	< 10.1	<b>89.8</b>	< 10.2	<b>84.3</b>	< 10.2	<b>62.7</b>	< 10.6	< 10.3	< 10.7
Benzo[b]fluoranthene	148	240	ug/kg	< 2.9	< 2.9	18.1*	< 2.9	<b>333</b>	< 3.0	101*	< 2.9	61.6	< 2.9	92.9	< 2.9	52.3	< 3.1	< 3.0	3.2*
Benzo[g,h,i]perylene	NS	NS	ug/kg	< 10.2	< 10.1	18.6*	< 10.0	313	< 10.3	96.1*	< 10.1	58.3	< 10.2	76.4	< 10.2	42	< 10.6	< 10.3	< 10.7
Benzo[k]fluoranthene	1,480	NS	ug/kg	< 10.2	< 10.1	15.8*	< 10.0	380	< 10.3	94.8*	< 10.1	70.2	< 10.2	74.1	< 10.2	54.8	< 10.6	< 10.3	< 10.7
Chrysene	14,800	73	ug/kg	< 2.3	< 2.3	22.6	2.4*	<b>519</b>	< 2.3	<b>102*</b>	< 2.3	<b>95.1</b>	< 2.3	103	< 2.3	<b>69.8</b>	< 2.4	< 2.3	5.2*
Dibenz[a,h]anthracene	15	NS	ug/kg	< 10.2	< 10.1	< 9.7	< 10.0	<b>79.3</b>	< 10.3	< 58.9	< 10.1	14.6*	< 10.2	<b>19.3*</b>	< 10.2	12.0*	< 10.6	< 10.3	< 10.7
Fluoranthene	2,290,000	44,409	ug/kg	< 10.2	< 10.1	35.2	< 10.0	966	< 10.3	136	< 10.1	142	< 10.2	170	< 10.2	133	< 10.6	< 10.3	< 10.7
Fluorene	2,290,000	7,407	ug/kg	< 10.2	< 10.1	< 9.7	< 10.0	< 20.5	< 10.3	< 58.9	< 10.1	< 10.4	< 10.2	< 11.6	< 10.2	< 9.7	< 10.6	< 10.3	< 10.7
Indeno[1,2,3-cd]pyrene	148	NS	ug/kg	< 10.2	< 10.1	11.7*	< 10.0	<b>238</b>	< 10.3	71.1*	< 10.1	42.9	< 10.2	60.8	< 10.2	35.1	< 10.6	< 10.3	< 10.7
Methylnaphthalene, 1-	15,600	NS	ug/kg	< 9.3	< 9.3	< 8.9	< 9.1	< 18.7	< 9.4	175	< 9.3	< 9.5	< 9.3	13.9*	< 9.3	< 8.9	< 9.7	< 9.4	< 9.7
Methylnaphthalene, 2-	229,000	NS	ug/kg	19.0*	8.2*	9.3*	5.6*	26.7*	< 1.9	413	2.2*	4.1*	< 1.9	28.9	< 1.9	8.7*	3.0*	2.5*	< 2.0
Naphthalene	5,150	329	ug/kg	<b>471</b>	9.9*	14.4*	5.1*	121	< 3.9	<b>4,230</b>	< 3.8	13.5*	< 3.9	48.4	< 3.9	10.7*	< 4.0	< 3.9	< 4.0
Phenanthrene	115,000	NS	ug/kg	< 2.6	< 2.6	17.6*	2.7*	192	< 2.6	97.9*	< 2.6	45.8	< 2.6	104	< 2.6	56.4	< 2.7	< 2.6	5.6*
Pyrene	1,720,000	27,236	ug/kg	< 10.2	< 10.1	29.5	< 10.0	1,380	< 10.3	132	< 10.1	194	< 10.2	154	< 10.2	127	< 10.6	< 10.3	< 10.7

**Notes:**

NTEDC - Not To Exceed Direct Contact Residual Contaminant Level (RCL)

GW - RCL Protective of Groundwater Quality

< - Concentration below listed laboratory detection limit

GW - RCL exceedence

<b>Bold</b>
<b><i>Bold</i></b>

NTEDC RCL exceedence

NS - No Standard

\* = Estimated Value between detection limit and quantification limit

**TABLE A.2.2  
PRE-REMEDIAL SOIL ANALYTICAL TABLES  
STRATFORD BUS GARAGE - WASTE OIL UST  
357 N 3RD STREET  
STRATFORD, WISCONSIN**

<i>Sample--&gt;</i>				GP9		GP10		GP11		GP12		GP13		GP14	
<i>Date--&gt;</i>				02/12/13		02/12/13		02/12/13		02/12/13		02/12/13		02/12/13	
<i>Sample Depth--(Feet)&gt;</i>				2-4	8-10	2-4	8-10	2-4	8-10	2-4	8-10	2-4	4-6	2-4	8-10
<i>Percent Solids--&gt;</i>				81.1%	82.7%	70.0%	82.9%	69.6%	80.8%	70.7%	79.1%	81.4%	76.5%	80.9%	82.0%
<b>Metals</b>	<u>NTEDC</u>	<u>GW</u>	<u>Units</u>												
Lead	400	13.50	mg/kg	10.5	7.4	13.2	7.5	<b>22.1</b>	7.0	<b>40.8</b>	7.4	10.5	9.8	11.1	7.7
<b>VOC Parameters</b>															
Benzene	1,490	2.6	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25.3	< 25	< 25	< 25	< 25	< 25
Ethylbenzene	7,470	785	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25.3	< 25	< 25	< 25	< 25	< 25
Methyl t-Butyl Ether	59,400	13.5	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25.3	< 25	< 25	< 25	< 25	< 25
Toluene	818,000	553.6	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25.3	< 25	< 25	< 25	< 25	< 25
1,2,4-Trimethylbenzene	89,800	689.7	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25.3	< 25	< 25	< 25	< 25	< 25
1,3,5-Trimethylbenzene	182,000	689.7	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25.3	< 25	< 25	< 25	< 25	< 25
Xylenes (Total)	258,000	1,970	ug/kg	< 50	< 50	< 50	< 50	< 50	< 50	< 50.5	< 50	< 50	< 50	< 50	< 50
<b>PAH Parameters</b>															
Acenaphthene	3,440,000	NS	ug/kg	< 10.3	< 10.1	< 11.9	< 10.0	< 24	< 10.3	< 10.4	< 10.5	< 10.2	< 10.9	< 10.3	< 10.2
Acenaphthylene	487,000	NS	ug/kg	< 10.3	< 10.1	22.5*	< 10.0	58.3	< 10.3	< 10.4	< 10.5	< 10.2	< 10.9	< 10.3	< 10.2
Anthracene	17,200,000	98,372	ug/kg	< 2.1	< 2.1	11.2*	< 2.1	41.0*	< 2.1	< 2.1	< 2.2	< 2.1	< 2.2	< 2.1	< 2.1
Benzo[a]anthracene	148	NS	ug/kg	< 10.3	< 10.1	< 11.9	< 10.0	87.1	< 10.3	< 10.4	< 10.5	< 10.2	< 10.9	< 10.3	< 10.2
Benzo[a]pyrene	15	235	ug/kg	< 10.3	< 10.1	19.9*	< 10.0	<b>142</b>	< 10.3	13.9*	< 10.5	< 10.2	< 10.9	< 10.3	< 10.2
Benzo[b]fluoranthene	148	240	ug/kg	< 3.0	< 2.9	18.5*	< 2.9	113	< 3.0	15.2*	< 3.0	< 2.9	< 3.1	< 3.0	< 2.9
Benzo(g,h,i)perylene	NS	NS	ug/kg	< 10.3	< 10.1	29.4	< 10.0	118	< 10.3	< 10.4	< 10.5	< 10.2	< 10.9	< 10.3	< 10.2
Benzo[k]fluoranthene	1,480	NS	ug/kg	< 10.3	< 10.1	25.9	< 10.0	169	< 10.3	11.5*	< 10.5	< 10.2	< 10.9	< 10.3	< 10.2
Chrysene	14,800	73	ug/kg	< 2.3	< 2.3	18.0*	< 2.3	<b>153</b>	< 2.3	16.7*	< 2.4	< 2.3	< 2.5	< 2.3	< 2.3
Dibenz[a,h]anthracene	15	NS	ug/kg	< 10.3	< 10.1	< 11.9	< 10.0	<b>31.9*</b>	< 10.3	< 10.4	< 10.5	< 10.2	< 10.9	< 10.3	< 10.2
Fluoranthene	2,290,000	44,409	ug/kg	< 10.3	< 10.1	15.0*	< 10.0	183	< 10.3	37.5	< 10.5	< 10.2	< 10.9	< 10.3	< 10.2
Fluorene	2,290,000	7,407	ug/kg	< 10.3	< 10.1	< 11.9	< 10.0	< 24	< 10.3	< 10.4	< 10.5	< 10.2	< 10.9	< 10.3	< 10.2
Indeno[1,2,3-cd]pyrene	148	NS	ug/kg	< 10.3	< 10.1	23.2	< 10.0	97.3	< 10.3	< 10.4	< 10.5	< 10.2	< 10.9	< 10.3	< 10.2
Methylnaphthalene, 1-	15,600	NS	ug/kg	< 9.4	< 9.3	< 10.9	< 9.1	21.9	< 9.4	< 9.5	< 9.6	< 9.3	< 9.9	< 9.4	< 9.3
Methylnaphthalene, 2-	229,000	NS	ug/kg	< 1.9	< 1.9	10.5*	< 1.9	10.1*	< 1.9	< 2.0	< 2.0	< 1.9	< 2.0	< 1.9	< 1.9
Naphthalene	5,150	329	ug/kg	< 3.9	< 3.8	30.9	< 3.8	49.6	< 3.9	< 3.9	< 4.0	< 3.9	< 4.1	< 3.9	< 3.9
Phenanthrene	115,000	NS	ug/kg	< 2.6	< 2.6	8.1*	< 2.6	53.9	< 2.6	28.4	< 2.7	< 2.6	< 2.8	< 2.6	< 2.6
Pyrene	1,720,000	27,236	ug/kg	< 10.3	< 10.1	17.7*	< 10.0	202	< 10.3	30.2	< 10.5	< 10.2	< 10.9	< 10.3	< 10.2

**Notes:**

NTEDC - Not To Exceed Direct Contact Residual Contaminant Level (RCL)

GW - RCL Protective of Groundwater Quality

< - Concentration below listed laboratory detection limit

GW - RCL exceedence

<b>Bold</b>
<b><i>Bold</i></b>

NS - No Standard

\* = Estimated Value between detection limit and quantification limit

**TABLE A.2.3**  
**PRE-REMEDIAL SOIL ANALYTICAL TABLES**  
**STRATFORD BUS GARAGE - WASTE OIL UST**  
**357 N 3RD STREET**  
**STRATFORD, WISCONSIN**

<i>Sample--&gt;</i>				HA1	HA2	HA3	HA4	HA5	HA6
<i>Date--&gt;</i>				02/12/13	02/12/13	02/12/13	02/12/13	02/12/13	02/12/13
<i>Sample Depth--(Feet)&gt;</i>				2-3	2	3	2	3	3
<i>Percent Solids--&gt;</i>					77.4%	78.3%	76.6%	80.3%	82.4%
<b>Metals</b>	NTEDC	GW	Units						
Lead	400	13.50	mg/kg	NA	<b>16.4</b>	7.7	<b>20.6</b>	8.1	7.4
Lead - TCLP	400	13.50	mg/kg	0.015*	NA	NA	NA	NA	NA
<b>PAH Parameters</b>									
Acenaphthene	3,440,000	NS	ug/kg	NA	< 10.8	< 10.6	< 10.9	< 10.4	< 10.1
Acenaphthylene	487,000	NS	ug/kg	NA	< 10.8	< 10.6	< 10.9	< 10.4	< 10.1
Anthracene	17,200,000	98,372	ug/kg	NA	< 2.2	3.0*	3.8*	< 2.1	< 2.1
Benz[a]anthracene	148	NS	ug/kg	NA	11.9*	18.5*	< 10.9	< 10.4	< 10.1
Benzo[a]pyrene	15	235	ug/kg	NA	<b>15.0*</b>	14.3	< 10.9	< 10.4	< 10.1
Benzo[b]fluoranthene	148	240	ug/kg	NA	15.2*	24.4	13.5*	< 3.0	< 2.9
Benzo(g,h,i)perylene	NS	NS	ug/kg	NA	12.6*	22.1	< 10.9	< 10.4	< 10.1
Benzo[k]fluoranthene	1,480	NS	ug/kg	NA	17.1*	31.8	< 10.9	< 10.4	< 10.1
Chrysene	14,800	73	ug/kg	NA	17.2*	28.0	17.0*	< 2.4	< 2.3
Dibenz[a,h]anthracene	15	NS	ug/kg	NA	< 10.8	< 10.6	< 10.9	< 10.4	< 10.1
Fluoranthene	2,290,000	44,409	ug/kg	NA	23.1	43.7	23.9	< 10.4	< 10.1
Fluorene	2,290,000	7,407	ug/kg	NA	< 10.8	< 10.6	< 10.9	< 10.4	< 10.1
Indeno[1,2,3-cd]pyrene	148	NS	ug/kg	NA	< 10.8	18.2*	< 10.4	< 10.4	< 10.1
Methylnaphthalene, 1-	15,600	NS	ug/kg	NA	< 9.8	< 9.7	< 9.9	< 9.5	< 9.2
Methylnaphthalene, 2-	229,000	NS	ug/kg	NA	< 2.0	< 2.0	< 2.0	< 1.9	4.8*
Naphthalene	5,150	329	ug/kg	NA	< 4.1	< 4.0	5.1*	4.4*	< 3.8
Phenanthrene	115,000	NS	ug/kg	NA	6.9*	11.2*	9.7*	< 2.6	< 2.6
Pyrene	1,720,000	27,236	ug/kg	NA	20.4*	36.0	30.3	< 10.4	< 10.1

Notes:

HA1 was a TCLP analysis collected at location GP2

NTEDC - Not To Exceed Direct Contact Residual Contaminant Level (RCL)

GW - RCL Protective of Groundwater Quality

< - Concentration below listed laboratory detection limit

GW - RCL exceedance

**Bold**

NTEDC RCL exceedance

**Bold**

NS - No Standard

\* = Estimated Value between detection limit and quantification limit

**TABLE A.3  
POST-REMEDIAL SOIL ANALYTICAL RESULTS  
STRATFORD BUS GARAGE - WASTE OIL UST  
357 N 3RD STREET  
STRATFORD, WISCONSIN**

<i>Sample--&gt;</i>				CSS#1	CSS#2	CSS#3	CSS#4	CSS#5	CSS#6	CSS#7	CSS#8	CSS#9	CSS#10	CSS#11	CSS#12	CSS#13	CSS#14	CSS#15		
<i>Date--&gt;</i>				06/10/13	06/10/13	06/10/13	06/10/13	06/10/13	06/10/13	06/07/13	06/07/13	06/07/13	06/07/13	06/07/13	06/07/13	06/07/13	06/07/13	06/07/13	06/07/13	
<i>Sample Depth--(Feet)--&gt;</i>				4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
<i>Percent Solids--&gt;</i>				81.4%	77.7%	79.9%	81.9%	72.2%	80.6%	79.0%	80.6%	79.8%	81.6%	77.8%	80.9%	81.8%	81.7%	81.4%	81.4%	
<b>Metals</b>	NTEDC	GW	Units																	
Lead	400	13.50	mg/kg	5.1	6.5	10.9	5.6	<b>23.3</b>	6.3	7.4	<b>15.1</b>	4.5	5.0	12.2	5.8	7.8	8.2	6.5	6.5	
<b>VOC Parameters</b>																				
Benzene	1,490	2.6	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Ethylbenzene	7,470	785	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Methyl t-Butyl Ether	59,400	13.5	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Toluene	818,000	553.6	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
1,2,4-Trimethylbenzene	89,800	689.7	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
1,3,5-Trimethylbenzene	182,000	689.7	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	62.6*	< 25	< 25
Xylenes (Total)	258,000	1,970	ug/kg	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
<b>PAH Parameters</b>																				
Acenaphthene	3,440,000	NS	ug/kg	< 10.2	< 10.7	< 10.4	< 10.2	< 11.5	< 10.3	< 10.5	< 10.3	< 10.4	< 10.2	< 10.7	< 10.3	< 10.2	< 10.2	< 10.2	< 10.2	< 10.6
Acenaphthylene	487,000	NS	ug/kg	< 10.2	< 10.7	< 10.4	< 10.2	< 11.5	< 10.3	< 10.5	< 10.3	< 10.4	< 10.2	< 10.7	< 10.3	16.5*	< 10.2	< 10.2	< 10.2	< 10.6
Anthracene	17,200,000	98,372	ug/kg	< 10.2	< 10.7	< 10.4	< 10.2	< 11.5	< 10.3	< 10.5	< 10.3	< 10.4	< 10.2	< 10.7	< 10.3	< 10.2	< 10.2	< 10.2	< 10.2	< 10.6
Benz[a]anthracene	148	NS	ug/kg	< 10.2	< 10.7	< 10.4	< 10.2	41.8	< 10.3	< 10.5	13.8*	< 10.4	< 10.2	< 10.7	< 10.3	< 10.2	< 10.2	< 10.2	< 10.2	< 10.6
Benzo[a]pyrene	15	235	ug/kg	< 3.6	< 3.8	< 3.7	< 3.6	<b>50.8</b>	< 3.7	< 3.8	12.8*	< 3.7	< 3.6	< 3.8	< 3.7	5.0*	< 3.6	< 3.6	< 3.6	< 3.8
Benzo[b]fluoranthene	148	240	ug/kg	< 10.2	< 10.7	< 10.4	< 10.2	44.8	< 10.3	< 10.5	15.7*	< 10.4	< 10.2	< 10.7	< 10.3	< 10.2	< 10.2	< 10.2	< 10.2	< 10.6
Benzo[g,h,i]perylene	NS	NS	ug/kg	< 10.2	< 10.7	< 10.4	< 10.2	32	< 10.3	< 10.5	< 10.3	< 10.4	< 10.2	< 10.7	< 10.3	< 10.2	< 10.2	< 10.2	< 10.2	< 10.6
Benzo[k]fluoranthene	1,480	NS	ug/kg	< 3.6	< 3.8	< 3.7	< 3.6	24.9	< 3.7	< 3.8	10.0*	< 3.7	< 3.6	< 3.8	< 3.6	5.4*	< 3.6	< 3.6	< 3.7	< 3.7
Chrysene	14,800	73	ug/kg	< 10.2	< 10.7	< 10.4	< 10.2	54.1	< 10.3	< 10.5	20.9	< 10.4	< 10.2	< 10.7	< 10.3	20.8	< 10.2	< 10.2	< 10.2	< 10.6
Dibenz[a,h]anthracene	15	NS	ug/kg	< 10.2	< 10.7	< 10.4	< 10.2	< 11.5	< 10.3	< 10.5	< 10.3	< 10.4	< 10.2	< 10.7	< 10.3	< 10.2	< 10.2	< 10.2	< 10.2	< 10.6
Fluoranthene	2,290,000	44,409	ug/kg	< 10.2	< 10.7	< 10.4	< 10.2	74.4	< 10.3	< 10.5	29	< 10.4	< 10.2	< 10.7	< 10.3	14.3*	< 10.2	< 10.2	< 10.2	15*
Fluorene	2,290,000	7,407	ug/kg	< 10.2	< 10.7	< 10.4	< 10.2	< 11.5	< 10.3	< 10.5	< 10.3	< 10.4	< 10.2	< 10.7	< 10.3	< 10.2	< 10.2	< 10.2	< 10.2	< 10.6
Indeno[1,2,3-cd]pyrene	148	NS	ug/kg	< 10.2	< 10.7	< 10.4	< 10.2	21.3*	< 10.3	< 10.5	< 10.3	< 10.4	< 10.2	< 10.7	< 10.3	< 10.2	< 10.2	< 10.2	< 10.2	< 10.6
Methylnaphthalene, 1-	15,600	NS	ug/kg	< 3.6	< 3.8	< 3.7	< 3.6	< 4.1	< 3.7	< 3.8	< 3.7	< 3.7	< 3.6	< 3.8	< 3.6	4.7*	< 3.6	< 3.6	< 3.7	< 3.7
Methylnaphthalene, 2-	229,000	NS	ug/kg	< 10.2	< 10.7	< 10.4	< 10.2	< 11.5	< 10.3	< 10.5	< 10.3	< 10.4	< 10.2	< 10.7	< 10.3	< 3.6	< 10.2	< 10.2	< 10.2	< 10.6
Naphthalene	5,150	329	ug/kg	< 10.2	< 10.7	< 10.4	< 10.2	< 11.5	< 10.3	< 10.5	< 10.3	< 10.4	< 10.2	< 10.7	< 10.3	17.1*	< 10.2	< 10.2	< 10.2	< 10.6
Phenanthrene	115,000	NS	ug/kg	< 10.2	< 10.7	< 10.4	< 10.2	18.6*	< 10.3	< 10.5	21.5	< 10.4	< 10.2	< 10.7	< 10.3	22.2	< 10.2	< 10.2	< 10.2	12.2*
Pyrene	1,720,000	27,236	ug/kg	< 10.2	< 10.7	< 10.4	< 10.2	119	< 10.3	< 10.5	25.2	< 10.4	< 10.2	< 10.7	< 10.3	36.1	< 10.2	< 10.2	< 10.2	12.9*

**Notes:**

NTEDC - Not To Exceed Direct Contact Residual Contaminant Level (RCL)

GW - RCL Protective of Groundwater Quality

< - Concentration below listed laboratory detection limit

GW - RCL exceedence

**Bold**

NTEDC RCL exceedence

**Bold**

NS - No Standard

\* = Estimated Value between detection limit and quantification limit

**TABLE A.4**  
**PRE & POST REMEDIAL SOIL CONTAMINATION SOIL ANALYTICAL TABLE**  
**STRATFORD BUS GARAGE - WASTE OIL UST**  
**357 N 3RD STREET**  
**STRATFORD, WISCONSIN**

<i>Sample--&gt;</i>				GP1	GP2	GP3	GP4	GP5	GP6	GP7	GP11	GP12	CSS#5	CSS#8
<i>Date--&gt;</i>				08/06/12	08/06/12	08/06/12	08/06/12	08/06/12	08/06/12	08/06/12	02/12/13	02/12/13	06/10/13	06/07/13
<i>Sample Depth--(Feet)&gt;</i>				2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	4	4
<i>Percent Solids--&gt;</i>				81.5%	85.6%	81.1%	70.7%	79.8%	71.6%	85.9%	69.6%	70.7%	72.2%	80.6%
<b>Metals</b>	<u>NTEDC</u>	<u>GW</u>	<u>Units</u>											
Lead	400	13.50	mg/kg		<b>258</b>	<b>68.6</b>	<b>28.7</b>	<b>27.0</b>	<b>236</b>	<b>32.5</b>	<b>22.1</b>	<b>40.8</b>	<b>23.3</b>	<b>15.1</b>
<b>PAH Parameters</b>														
Benza[a]anthracene	148	NS	ug/kg			<u>462</u>								
Benzo[a]pyrene	15	235	ug/kg		<u>17.9*</u>	<u>533</u>	<u>98.9*</u>	<u>89.8</u>	<u>84.3</u>	<u>62.7</u>	<u>142</u>		<u>50.8</u>	
Benzo[b]fluoranthene	148	240	ug/kg			<u>333</u>								
Chrysene	14,800	73	ug/kg			<u>519</u>	<b>102*</b>	<b>95.1</b>		<b>69.8</b>	<b>153</b>			
Dibenz[a,h]anthracene	15	NS	ug/kg			<b>79.3</b>			<u>19.3*</u>		<u>31.9*</u>			
Indeno[1,2,3-cd]pyrene	148	NS	ug/kg			<b>238</b>								
Naphthalene	5,150	329	ug/kg	<b>471</b>			<b>4,230</b>							

*Notes:*

HA1 was a TCLP analysis collected at location GP2

NTEDC - Not To Exceed Direct Contact Residual Contaminant Level (RCL)

GW - RCL Protective of Groundwater Quality

< - Concentration below listed laboratory detection limit

GW - RCL exceedance **Bold**

NTEDC RCL exceedance **Bold**

NS - No Standard

\* = Estimated Value between detection limit and quantification limit

## **ATTACHMENT A.5**

### **VAPOR ANALYTICAL TABLE**

Vapor intrusion analysis not completed during this investigation

## **ATTACHMENT A.6**

### **OTHER MEDIA OF CONCERN**

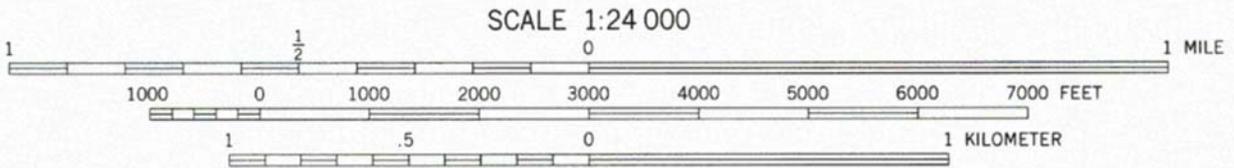
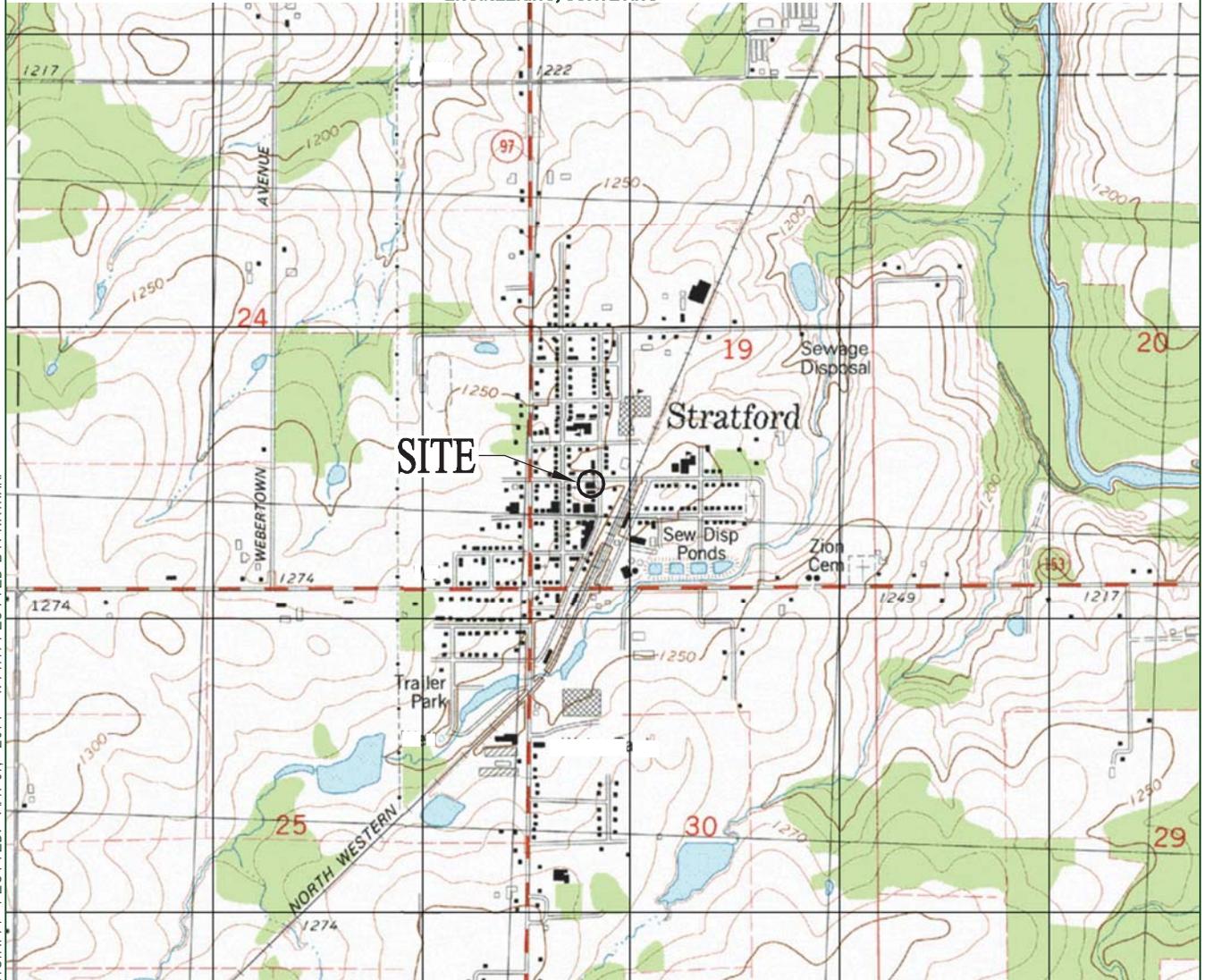
No other media of concern identified during this investigation

## **ATTACHMENT A.7**

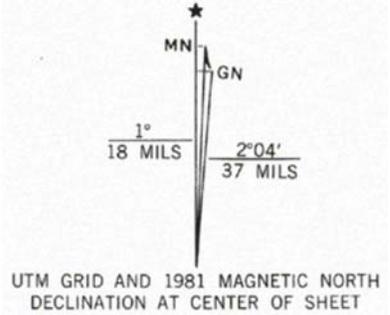
### **WATER LEVEL ELEVATIONS**

Not Applicable, groundwater was not impacted and therefore not investigated.

DRAWING FILE: P:\5900-5999\5900-STRATFORD BUS\DWG\5900-VIC.DWG LAYOUT: VICINITY PLOTTED: APR 01, 2014 - 1:44 PM PLOTTED BY: NATHANP



CONTOUR INTERVAL 10 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929



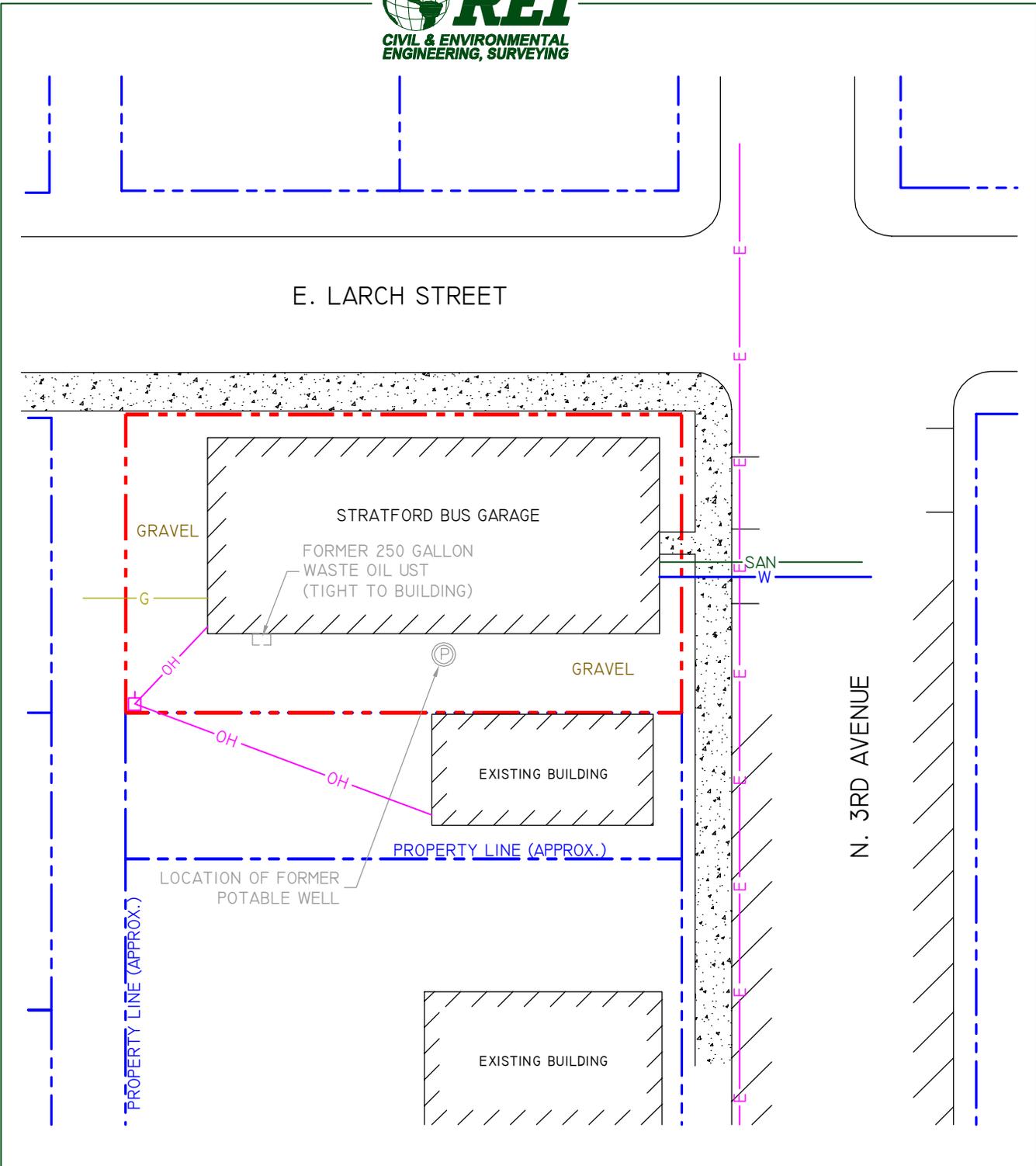
**STRATFORD, WIS.**  
SE/4 STRATFORD 15' QUADRANGLE  
N4445-W9000/7.5  
1981  
DMA 2973 I SE-SERIES V861



*REI Engineering, INC.*

<p><b>STRATFORD BUS GARAGE</b> 357 N. 3RD AVENUE STRATFORD, WISCONSIN</p>	<p><b>FIGURE B.1.a: LOCATION MAP</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">PROJECT NO.</td> <td style="width: 33%;">DRAWN BY:</td> <td style="width: 33%;">DATE:</td> </tr> <tr> <td style="text-align: center;">5900</td> <td style="text-align: center;">NAP</td> <td style="text-align: center;">04/01/14</td> </tr> </table>	PROJECT NO.	DRAWN BY:	DATE:	5900	NAP	04/01/14
PROJECT NO.	DRAWN BY:	DATE:					
5900	NAP	04/01/14					

DRAWING FILE: P:\15900-5999-STRATFORD BUS\DWG\15900-SITE.DWG LAYOUT: SITE PLOTTED: JAN 29, 2014 - 3:22PM PLOTTED BY: TODDW



**LEGEND**

SCALE: 1" = 40'

- APPROXIMATE SITE PROPERTY LINE
- APPROXIMATE PROPERTY LINE (OTHERS)
- G GAS LINE
- SAN SANITARY SEWER
- W WATER LINE
- E UNDERGROUND ELECTRIC
- OH OVERHEAD UTILITIES
- UTILITY POLE



*REI Engineering, INC.*

<p><b>STRATFORD BUS GARAGE</b>          357 N. 3RD AVENUE          STRATFORD, WISCONSIN</p>		<p><b>FIGURE B.1.b: DETAILED SITE MAP</b></p>	
<p>PROJECT NO. 5900</p>	<p>DRAWN BY: TAW</p>	<p>DATE: 1/29/2014</p>	



# B.1.c RR SITE MAP



## Legend

- ◆ Open Site (ongoing cleanup)
- Open Site Boundary
- ◆ Closed Site (completed cleanup)
- Closed Site Boundary
- Airport
- Cities and Villages
  - Cities
  - Villages

0.7 0 0.34 0.7 Miles

NAD\_1983\_HARN\_Wisconsin\_TM

© Latitude Geographics Group Ltd.

1: 21,335

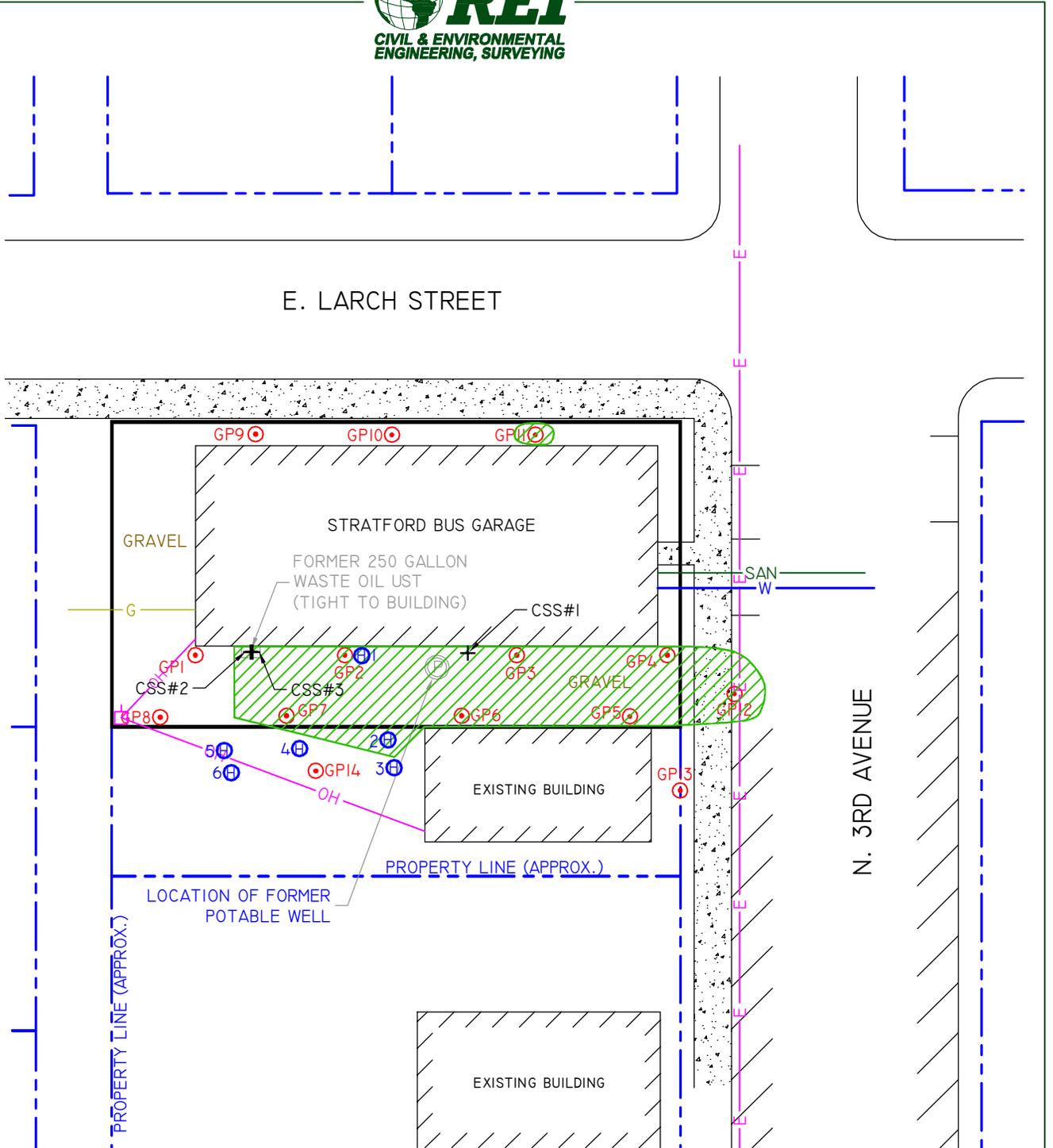


DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No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

*Note: Not all sites are mapped.*

## Notes

DRAWING FILE: P:\15900-5999-STRATFORD BUS\DWG\15900-PRE-REMEDIAL-Soil-Contamination.dwg LAYOUT: SOIL PLOTTED: FEB 19, 2014 - 10:05AM PLOTTED BY: NATHANP



**LEGEND**

0 40  
SCALE: 1" = 40'

- HAND AUGER SAMPLE
- RESIDUAL SOIL CONTAMINATION
- CONFIRMATORY SOIL SAMPLE LOCATION
- GEOPROBE SOIL BORING

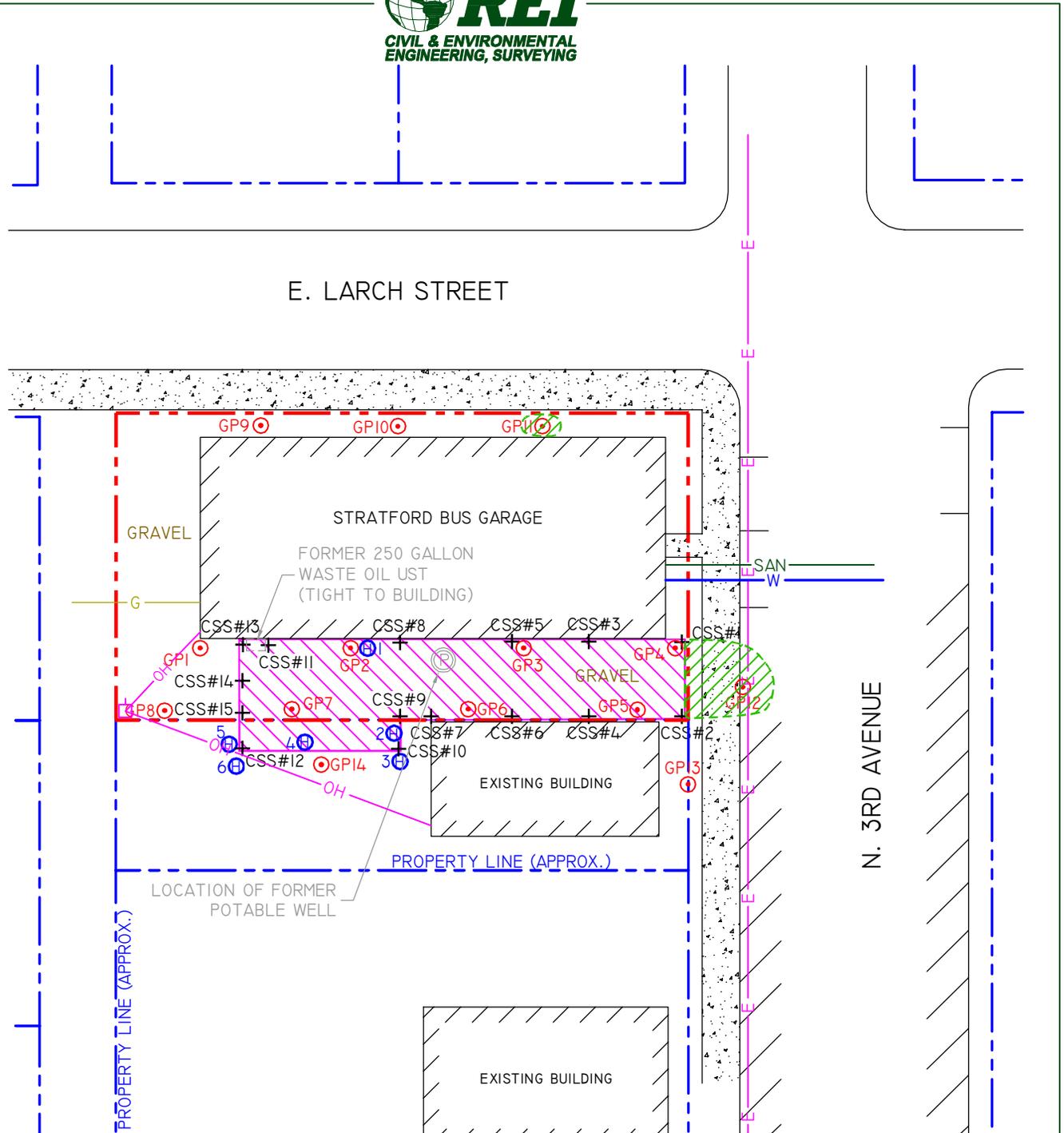
REI Engineering, INC.

STRATFORD BUS GARAGE  
357 N. 3RD AVENUE  
STRATFORD, WISCONSIN

FIGURE B.2.a: PRE REMEDIAL SOIL CONTAMINATION

PROJECT NO.	5900	DRAWN BY:	TAW	DATE:	2/7/2014
-------------	------	-----------	-----	-------	----------

DRAWING FILE: P:\5900-5999\5900-Stratford Bus\dwg\5900-Post-Remedial-Soil-Contamination.dwg LAYOUT: SOIL PLOTTED: FEB 19, 2014 - 10:00AM PLOTTED BY: NATHANP



**LEGEND**

0 40  
SCALE: 1" = 40'

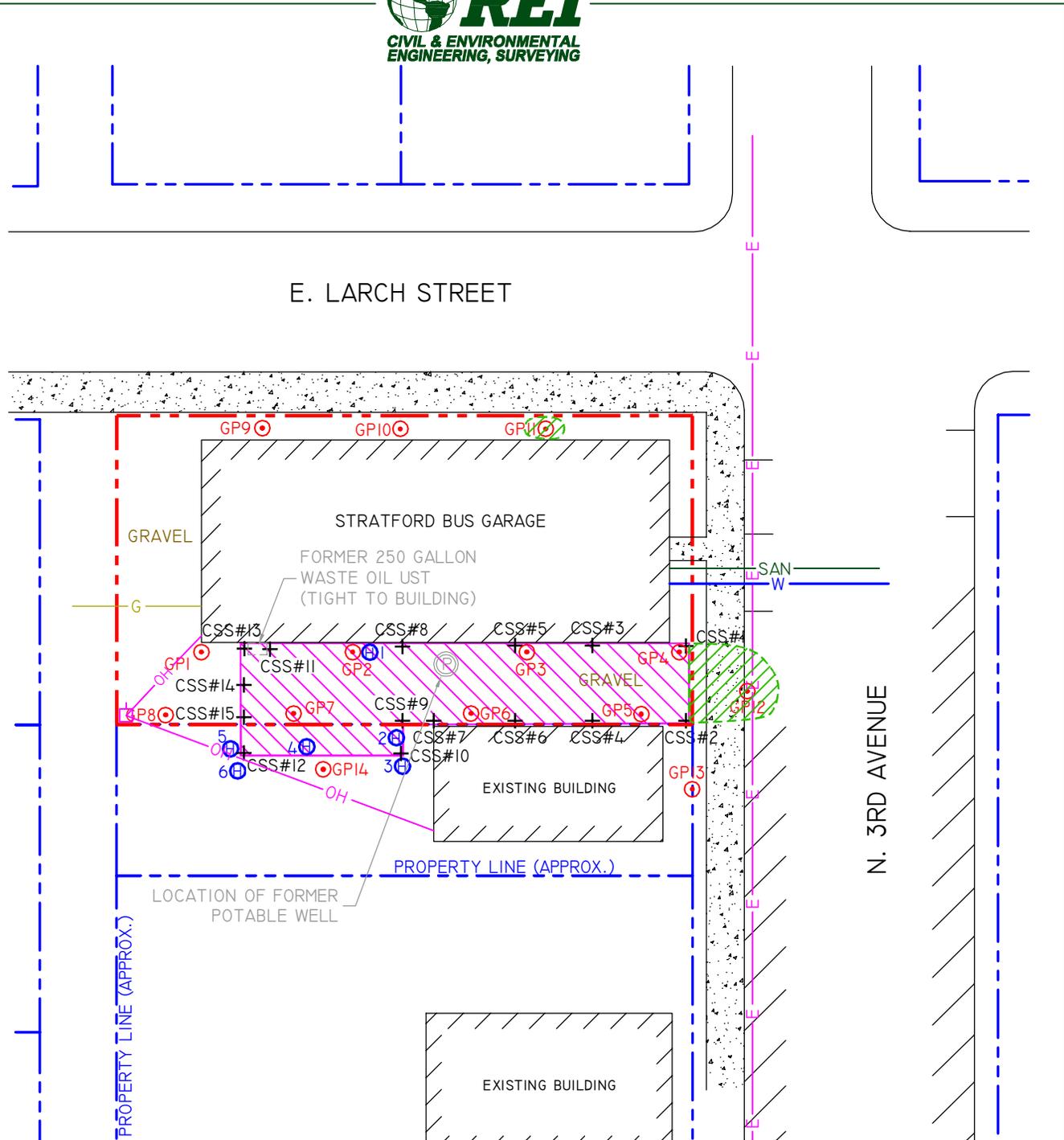
- HAND AUGER SAMPLE
- CONFIRMATORY SOIL SAMPLE LOCATION
- GEOPROBE SOIL BORING
- APPROXIMATE SITE PROPERTY LINE
- APPROXIMATE PROPERTY LINE (OTHERS)
- GAS LINE
- SANITARY SEWER
- WATER LINE
- UNDERGROUND ELECTRIC
- OVERHEAD UTILITIES
- UTILITY POLE
- COMPLETED SOIL EXCAVATION
- RESIDUAL SOIL CONTAMINATION



REI Engineering, INC.

STRATFORD BUS GARAGE 357 N. 3RD AVENUE STRATFORD, WISCONSIN		FIGURE B.2.b: POST REMEDIAL SOIL CONTAMINATION	
PROJECT NO.	5900	DRAWN BY:	TAW
		DATE:	2/19/2014

DRAWING FILE: P:\5900-5999\5900-STRATFORD BUS\DWG\5900-Soil Contam Remaining.dwg LAYOUT: Soil PLOTTED: FEB 07, 2014 - 10:53 AM PLOTTED BY: TODDW



**LEGEND**

0 40  
SCALE: 1" = 40'

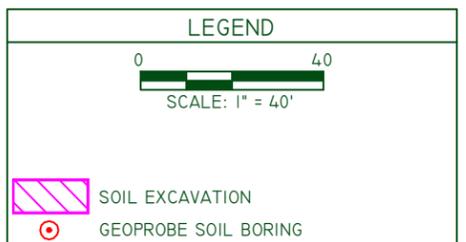
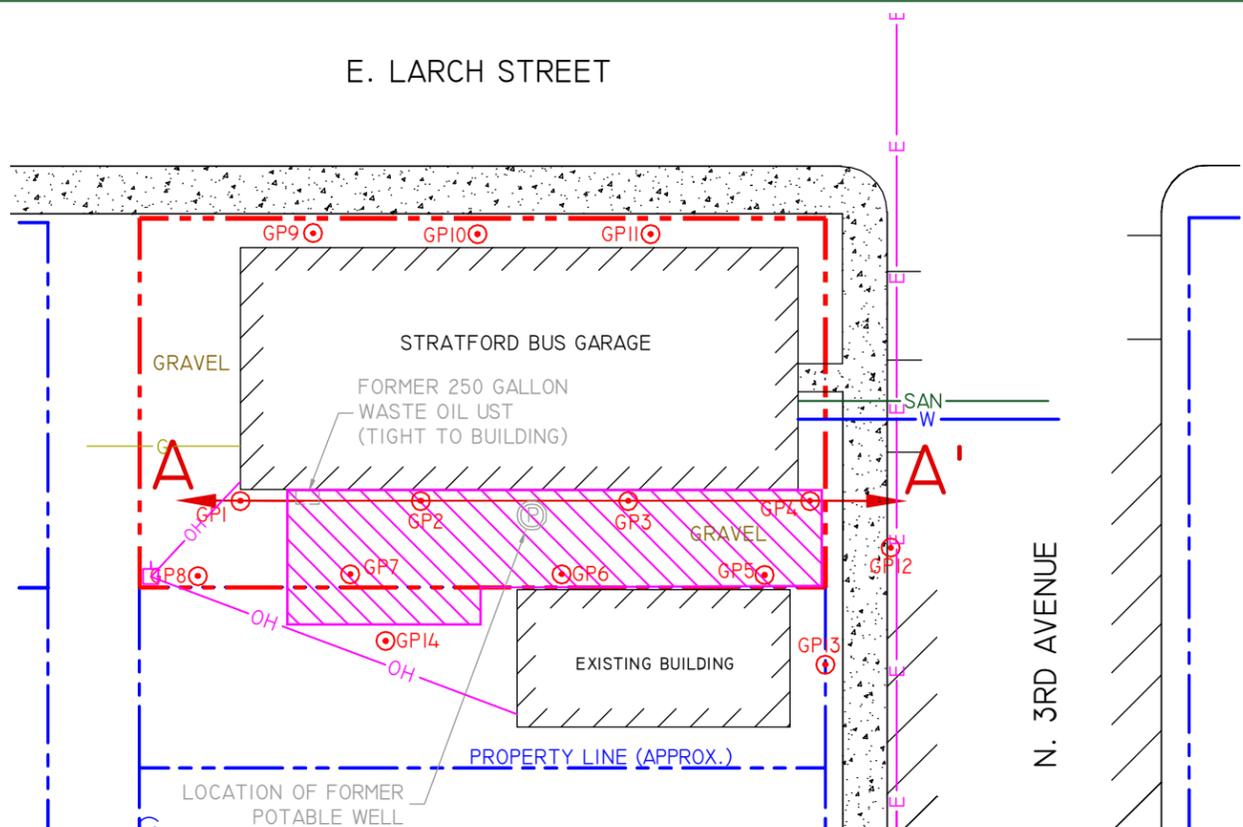
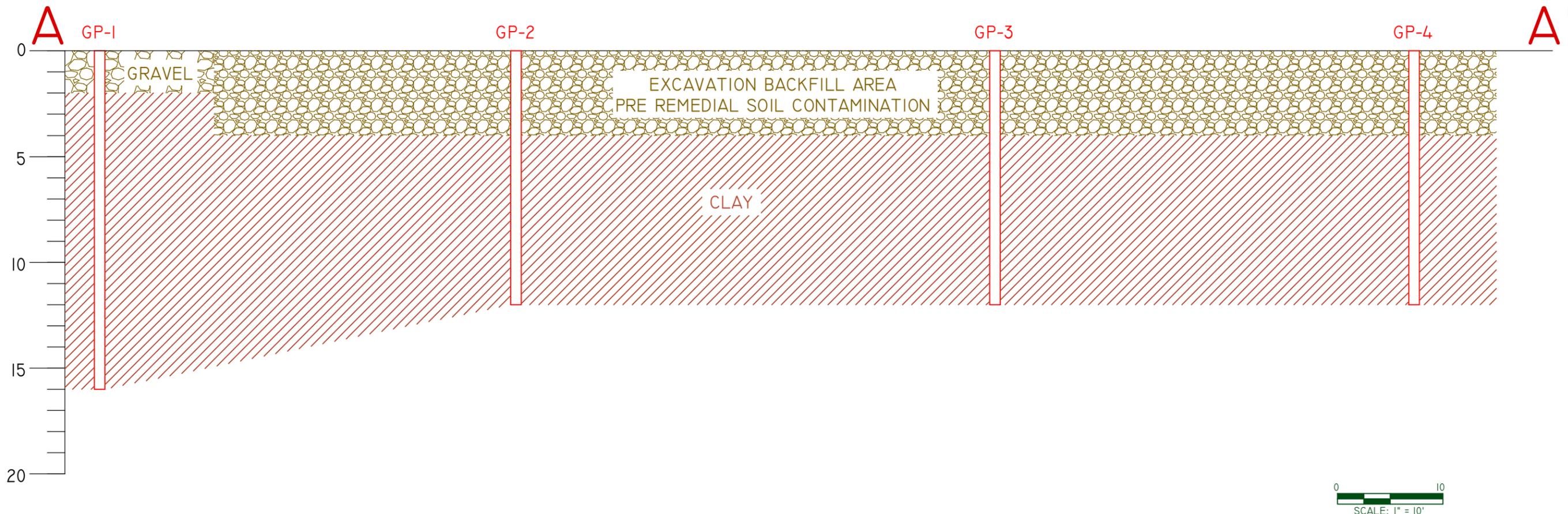
- HAND AUGER SAMPLE
- CONFIRMATORY SOIL SAMPLE LOCATION
- GEOPROBE SOIL BORING
- APPROXIMATE SITE PROPERTY LINE
- APPROXIMATE PROPERTY LINE (OTHERS)
- GAS LINE
- SANITARY SEWER
- WATER LINE
- UNDERGROUND ELECTRIC
- OVERHEAD UTILITIES
- UTILITY POLE
- COMPLETED SOIL EXCAVATION
- RESIDUAL SOIL CONTAMINATION



REI Engineering, INC.

STRATFORD BUS GARAGE 357 N. 3RD AVENUE STRATFORD, WISCONSIN		FIGURE B.2.c: PRE/POST REMAINING SOIL CONTAMINATION	
PROJECT NO.	5900	DRAWN BY:	TAW
		DATE:	2/7/2014

DRAWING FILE: P:\5900-5999\5900-STRATFORD Bus\DWG\5900-xs.dwg LAYOUT: xs PLOTTED: FEB 19, 2014 - 10:14AM PLOTTED BY: NATHANP



- (GW)-WELL GRADED GRAVELS, GRAVEL-SAND MIXTURES
- (CL)-INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS

<b>REI</b> CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING	STRATFORD BUS GARAGE 357 N. 3RD AVENUE STRATFORD, WISCONSIN	
	FIGURE B.3.a: GEOLOGIC GROSS SECTION	
PROJECT No. 5900	DRAWN BY: TAW	DATE: 2/7/2014

REI Engineering, INC.

## **ATTACHMENT B.3.B**

### **GROUNDWATER ISOCONCENTRATION**

Not applicable – Groundwater not investigated

## **ATTACHMENT B.3.C**

### **GROUNDWATER FLOW DIRECTION FIGURE(S)**

Not applicable – Groundwater not investigated

## **ATTACHMENT B.3.D**

### **MONITORING WELLS**

Not applicable – Groundwater not investigated

## **ATTACHMENT B.4.A**

### **VAPOR INTRUSION MAP**

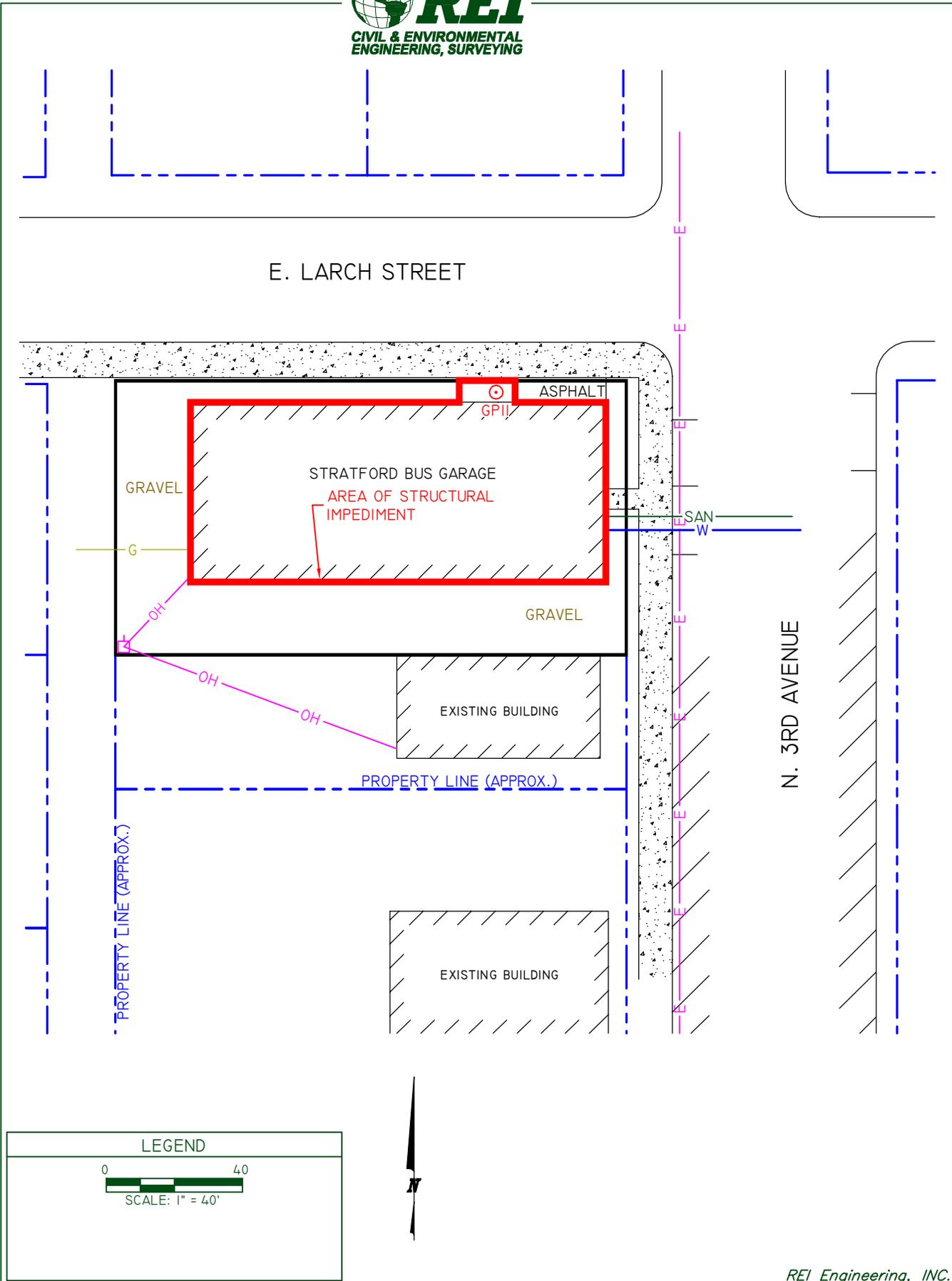
Not applicable – Vapor intrusion assessment was completed and no additional investigation was required

## **ATTACHMENT B.4.B**

### **OTHER MEDIA OF CONCERN**

No other media of concern identified during this investigation

DRAWING FILE: P:\5900-5999\5900-STRATFORD BUS\DWG\5900-STRUCTURAL IMPEDIMENT.DWG LAYOUT: SI PLOTTED: JUN 20, 2014 - 10:01AM PLOTTED BY: TODDW



LEGEND	
	SCALE: 1" = 40'

REI Engineering, INC.

STRATFORD BUS GARAGE 357 N. 3RD AVENUE STRATFORD, WISCONSIN		FIGURE: B.4.c AREA OF STRUCTURAL IMPEDIMENT	
PROJECT NO. 5900	DRAWN BY: TAW	DATE: 6/10/2014	

## 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 <http://dnr.wi.gov/topic/Brownfields/Contact.html>



## **ATTACHMENT D**

Not Applicable, maintenance plan not required

## **ATTACHMENT E**

### **MONITORING WELL INFORMATION**

Not Applicable, monitoring wells not required for the investigation



DOCUMENT NO.

WARRANTY DEED

1199146  
KUYOTH/ULRICH FAMILY  
REGISTER'S OFFICE  
MARATHON COUNTY, WI  
MAR 03 2000 12:50 PM

Dennis R. Kuyoth and Cheryl L. Kuyoth, husband and wife, Grantors, convey and warrant to Ulrich Family Limited Partnership, a Wisconsin limited partnership, Grantees, the following described real estate in Marathon County, State of Wisconsin.

*Michael J. Sydow*  
REGISTER

Lots 1 and 2 in Block 16 of the Village of Stratford, Marathon County, Wisconsin.

TRANSFER

\$ 649.00  
FEE

Return to: *Chg 10.00*  
Hess, Dexter Reinertson  
+ Brunner J.C.  
605 Scott St.  
Warsaw, WI 54403  
*T.T. ch 645.00*

37-182-4-2704-193-1091 ✓  
Pin Number *#0640*

This is not homestead property.

Exception to warranties: Municipal and zoning ordinances, recorded easements for public utilities serving the property, recorded building and use restrictions and covenants, general taxes levied in the year of closing and such conditions as a survey would disclose.

Dated this 29th day of February, 2000.

\_\_\_\_ (SEAL) *Dennis Kuyoth* (SEAL)  
Dennis R. Kuyoth  
\_\_\_\_ (SEAL) *Cheryl Kuyoth* (SEAL)  
Cheryl L. Kuyoth

AUTHENTICATION

ACKNOWLEDGMENT

Signatures authenticated this 29th day of February, 2000.

STATE OF WISCONSIN

} ss.

MARATHON COUNTY

Personally came before me this 29th day of February, 2000 the above named Dennis R. Kuyoth and Cheryl L. Kuyoth to me known to be the persons who executed the foregoing instrument and acknowledge the same.

\_\_\_\_\_, Notary Public

Marathon County, Wisconsin

My commission expires: \_\_\_\_\_

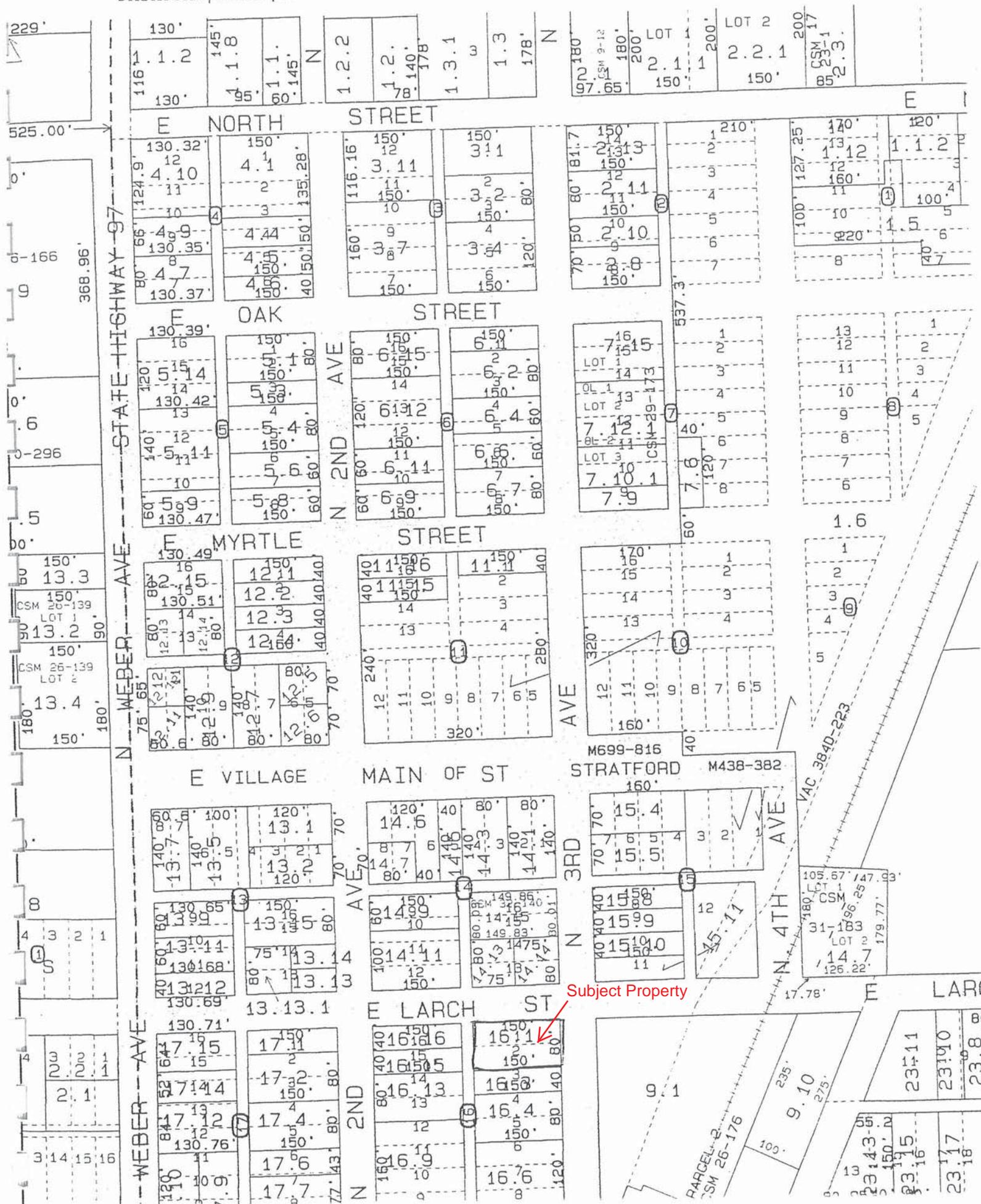
W:\ZR\kuyothdeed.wpd

1199146

*Alan L. Billings*  
TITLE: MEMBER STATE BAR OF WISCONSIN  
THIS INSTRUMENT WAS DRAFTED BY:  
ALAN L. BILLINGS  
WYNIA, BILLINGS & HUTCHINSON, S.C.  
248 S CENTRAL AVE.  
MARSHFIELD, WI 54449

# VIL OF STRATFORD

STRATFORD | 1820640 | TRACT VOL 14 PG 47, VOL 3 PLATS PG 10



**Marathon County Land Record**



**Request:** 18227041931091  
**PIN:** 182-2704-193-1091  
**Parcel:** 57-0640-016-001-00-00  
**Municipality:** Village of STRATFORD

Report Generated:  
 10/10/2013 at 3:01:07 PM



For reference purposes only.

No warranties are expressed or implied for the data provided.

**View Type:** Public

**Account:** None

**(1) General Parcel Information:**

**PIN** 182-2704-193-1091  
**Parcel Number** 57-0640-016-001-00-00  
**Parcel Status** Active  
**Sale Type** Undefined  
**Sale Date** 02/29/2000  
**Sale Amount** \$216,333.00  
**Transfer Tax** \$649.00  
**Deed Type** Warranty Deed  
**Deed Reference** 1199146  
**Mailing Address** 357 N 3RD AVE PO BOX 107  
 STRATFORD WI  
 54484-0107

**(3) Parcel Addresses:**

Address # 1 357 N 3RD AVE STRATFORD WI 54484

**(4) Parcel Descriptions:**

Year	Acre	Description
1987	N/A	VIL OF STRATFORD LOTS 1 & 2 BLK 16

**(5) Parcel Assessment:**

Year	Use	Acre	Land Value	Improvement Value	Total Value
2013	COMMERCIAL	0.00	\$12,200.00	\$117,900.00	
	Totals for 2013	0.00	\$12,200.00	\$117,900.00	\$130,100.00
2006	COMMERCIAL	0.00	\$12,200.00	\$115,900.00	
	Totals for 2006	0.00	\$12,200.00	\$115,900.00	\$128,100.00
2000	COMMERCIAL	0.00	\$9,000.00	\$96,600.00	
	Totals for 2000	0.00	\$9,000.00	\$96,600.00	\$105,600.00
1999	COMMERCIAL	0.00	\$9,000.00	\$109,800.00	
	Totals for 1999	0.00	\$9,000.00	\$109,800.00	\$118,800.00
1993	COMMERCIAL	0.00	\$9,000.00	\$96,600.00	
	Totals for 1993	0.00	\$9,000.00	\$96,600.00	\$105,600.00
1988	COMMERCIAL	0.00	\$9,000.00	\$62,750.00	
	Totals for 1988	0.00	\$9,000.00	\$62,750.00	\$71,750.00

**(14) Zoning:**

No Data has been entered for this PIN.

[Log Out](#) | [Main Menu](#) | [LRS Menu](#) | [Go back](#)

G.4 Signed Statement

January 28, 2014

Stratford Bus Garage  
357 N 3<sup>rd</sup> Avenue  
Stratford, WI 54484  
BRRTS # 03-37-557673

Re:

**Marathon County Parcel # 18227041931091 described "Lots 1 and 2 in Block 16 of the Village of Stratford, Marathon County, Wisconsin"**

I have reviewed the above referenced legal description, and hereby certify that it is correct for the Stratford Bus Garage site.

  
Tom Griffith

1/31/14

Date