

GIS REGISTRY
Cover Sheet

May, 2009
(RR 5367)

Source Property Information

BRRTS #:

ACTIVITY NAME:

PROPERTY ADDRESS:

MUNICIPALITY:

PARCEL ID #:

CLOSURE DATE:

FID #:

DATCP #:

COMM #:

***WTM COORDINATES:**

X: **Y:**

** 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)

Contaminated Media:

- Groundwater Contamination > ES (236)**
 - Contamination in ROW
 - Off-Source Contamination
(note: for list of off-source properties see "Impacted Off-Source Property")
- Soil Contamination > *RCL or **SSRCL (232)**
 - Contamination in ROW
 - Off-Source Contamination
(note: for list of off-source properties see "Impacted Off-Source Property")

Land Use Controls:

- N/A (Not Applicable)
- Soil: maintain industrial zoning (220)
(note: soil contamination concentrations between non-industrial and industrial levels)
- Structural Impediment (224)
- Site Specific Condition (228)
- Cover or Barrier (222)
(note: maintenance plan for groundwater or direct contact)
- Vapor Mitigation (226)
- Maintain Liability Exemption (230)
(note: local government or economic development corporation)

Monitoring Wells:

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

- Yes
- No
- N/A

** Residual Contaminant Level
**Site Specific Residual Contaminant Level*

This Adobe Fillable form is intended to provide a list of information that is required for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

NOTICE: Completion of this form is mandatory for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, including cases closed under ch. NR 746 and ch. NR 726. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than reviewing closure requests and determining the need for additional response action. The Department may provide this information to requesters as required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS #: 03-05-002187 PARCEL ID #: VH-557-2

ACTIVITY NAME: EXPRESS CONVENIENCE CENTER #36 WTM COORDINATES: X: 675096 Y: 454656

CLOSURE DOCUMENTS (the Department adds these items to the final GIS packet for posting on the Registry)

- Closure Letter**
- Maintenance Plan** (if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)
- Conditional Closure Letter**
- Certificate of Completion (COC)** for VPLE sites

SOURCE LEGAL DOCUMENTS

- Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
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)).
Figure #: **Title:**
- Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

MAPS (meeting the visual aid requirements of s. NR 716.15(2)(h))

- Maps must be no larger than 8.5 x 14 inches unless the map is submitted electronically.
- 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 parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
Note: Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.
Figure #: **Title: Site Location Map**
 - Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, 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 s. NR 720.09, 720.11 and 720.19.
Figure #: **Title: Site Map with Proposed Excavation Limits**
 - Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all 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 s. NR 720.09, 720.11 and 720.19.
Figure #: **Title:**

BRRTS #: 03-05-002187

ACTIVITY NAME: EXPRESS CONVENIENCE CENTER #36

MAPS (continued)

- Geologic Cross-Section Map:** A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

Figure #: **Title: Site Map with A-A'**

Figure #: **Title: Geologic Cross-Section A-A'**

- Groundwater Isoconcentration Map:** For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.

Note: This is intended to show the total area of contaminated groundwater.

Figure #: **Title:**

- Groundwater Flow Direction Map:** A map that represents groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

Figure #: 2 **Title: Groundwater Flow Map**

Figure #: **Title:**

TABLES (meeting the requirements of s. NR 716.15(2)(h)(3))

Tables must be no larger than 8.5 x 14 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

- Soil Analytical Table:** A table showing remaining soil contamination with analytical results and collection dates.
Note: This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

Table #: 1 **Title: Summary of Soil Analytical Detections**

- Groundwater Analytical Table:** Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

Table #: 5,6 **Title: Summary of Groundwater Analytical Results**

- Water Level Elevations:** Table(s) that show the previous four (at minimum) water level elevation measurements/dates from all monitoring wells. If present, free product is to be noted on the table.

Table #: **Title:**

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.

Note: If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.

- Not Applicable**

- Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.

Note: If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.

Figure #: **Title: Site Map with A-A'**

- Well Construction Report:** Form 4440-113A for the applicable monitoring wells.

- Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

- Notification Letter:** Copy of the notification letter to the affected property owner(s).

BRRTS #: 03-05-002187

ACTIVITY NAME: EXPRESS CONVENIENCE CENTER #36

NOTIFICATIONS

Source Property

- Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

Off-Source Property

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

- Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.

Note: Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.

Number of "Off-Source" Letters:

- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.
- Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.
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.

- Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

Number of "Governmental Unit/Right-Of-Way Owner" Letters: 2



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Ronald W. Kazmierczak, Regional Director

Northeast Region Headquarters
1125 N. Military Ave., P.O. Box 10448
Green Bay, Wisconsin 54307-0448
Telephone 920-492-5800
FAX 920-492-5913
TTY 920-492-5912

July 23, 2002

Mr. Tim Schmidt
U.S. Oil Company
425 West Washington Street
P.O. Box 25
Combined Locks, WI 54113

SUBJECT: Final Case Closure By Closure Committee With Conditions Met for the
Express Convenience Center # 36, 1618 Velp Avenue, Green Bay, Wisconsin
WDNR BRRTS # 03-05-002187

Dear Mr. Schmidt:

On June 21, 2001, your site as described above was reviewed for closure by the Northeast Region Closure Committee. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On July 19, 2001, you were notified that the Closure Committee had granted conditional closure to this case.

On July 22, 2002, the Department received final correspondence indicating that you have complied with the conditions of closure (filed deed restriction, monitoring well abandonment, provided public notice and a cap maintenance plan). Based on the correspondence and data provided, it appears that your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed on July 22, 2002, and no further investigation, remediation or other action is required at this time.

If monitoring well MW5 is ever located in the future, US Oil Company has agreed to ensure that the this monitoring well is properly abandoned and that the proper abandonment documentation is provided to the Department.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit <http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm>

Please be aware that this 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 the environment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me in Green Bay at (920) 492-5921.

Sincerely,

A handwritten signature in black ink, appearing to read "Keld Lauridsen", with a long horizontal line extending to the right.

Keld B. Lauridsen
Hydrogeologist
Remediation & Redevelopment Program

cc: Wayne Fassbender/Dave Haas, Graef, Anhalt, Schloemer & Assoc., Inc.,
125 S. 84th Street, Suite 401, Milwaukee, WI 53214-1470
Ed Wiesner, Director of Public Works, City of Green Bay,
100 N. Jefferson Street, Room 300, Green Bay, Wisconsin 54301-5026

WHEREAS, U.S. Oil Co., Inc., a Wisconsin Corporation, is the owner of the above-described property.

WHEREAS, one or more petroleum discharges have occurred on this property. Petroleum-contaminated groundwater above ch. NR 140, Wis. Adm. Code enforcement standards existed on this property at the following locations on the following dates: at monitoring well (mw) 1 on November 11, 1997, benzene was detected at 1000 parts per billion (ppb), naphthalene was detected at 130 ppb and methyl tertiary butyl ether (MTBE) was detected at 74 ppb; at mw-2 on November 11, 1997, MTBE was detected at 74 ppb; at mw-4 on March 21, 2000, benzene was detected at 20 ppb; at mw-6 on November 11, 1997, ethylbenzene was detected at 860 ppb, naphthalene was detected at 150 ppb, and trimethylbenzenes (1,2,4 and 1,3,5) were detected at 760 ppb; at Sump 2 on March 21, 2000, benzene was detected at 98 ppb; and soil contamination existed on the property at the following locations on the following dates: at soil sample EX-4 (EX-4) on October 5, 1998 benzene was detected at 140 ppb; at EX-8 on October 5, 1998 benzene was detected at 170 ppb, toluene was detected at 1600 ppb, and total xylenes were detected at 4200 ppb; at EX-36 on October 8, 1998 gasoline range organics were detected at 110 parts per million (ppm), benzene was detected at 1700 ppb, ethylbenzene was detected at 9200 ppb and total xylenes were detected at 43,900 ppb; on October 9, 1998, at EX-45 gasoline range organics were detected at 230 ppm. Locations of sump, monitoring wells and soil samples are provided on Figures 1 and 2 attached and made part of this restriction.

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct further groundwater or soil remediation activities on the property at the present time.

WHEREAS, natural attenuation has been approved by the Department of Natural Resources to remediate groundwater contamination exceeding ch. NR 140, Wis. Adm. Code groundwater standards within the boundaries of this property.

WHEREAS, construction of wells where the water quality does not comply with drinking water standards in ch. NR 809, Wis. Adm. Code is restricted by chs. NR 811 and NR 812, Wis. Adm. Code. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply.

NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific requirements are applicable, prior to constructing or reconstructing a well on this

property. No well may be constructed on this property unless applicable requirements are met.

If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules.

The following activities are prohibited on that portion of the property described above where a cap or cover has been placed, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources or its successor or assign: (1) Excavating or grading of the land surface; (2) Filling on the capped area; (3) Plowing for agricultural cultivation; and (4) Construction or installation of a building or other structure with a foundation that would sit on or be placed within the cap or cover. In addition, the cap or cover shall be maintained in compliance with a plan prepared and submitted to the Wisconsin Department of Natural Resources by a responsible party, as required by section NR 724.13(2), Wis. Adm. Code (1997).

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction benefits and is enforceable by the Wisconsin Department of Natural Resources, its successors or assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

By signing this document, MARJORIE M. Young asserts that ~~he~~/she is duly authorized to sign this document on behalf of U.S. Oil Co., Inc.

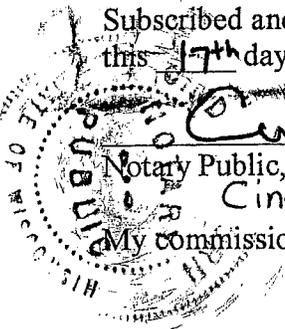
IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 17th day of April, 2002.

Signature: Marjorie M. Young

Title: Marjorie M. Young

Printed Name: General Counsel

Subscribed and sworn to before me
this 17th day of April, 2002.



Cindy N. Korn
Notary Public, State of WI
Cindy W. Korn
My commission 8/1/02

This document was drafted by the Wisconsin Department of Natural Resources based on information provided by U.S. Oil Co., Inc.

LOCATION OF POST-REMEDIATION SOIL SAMPLES
(ITEM G)

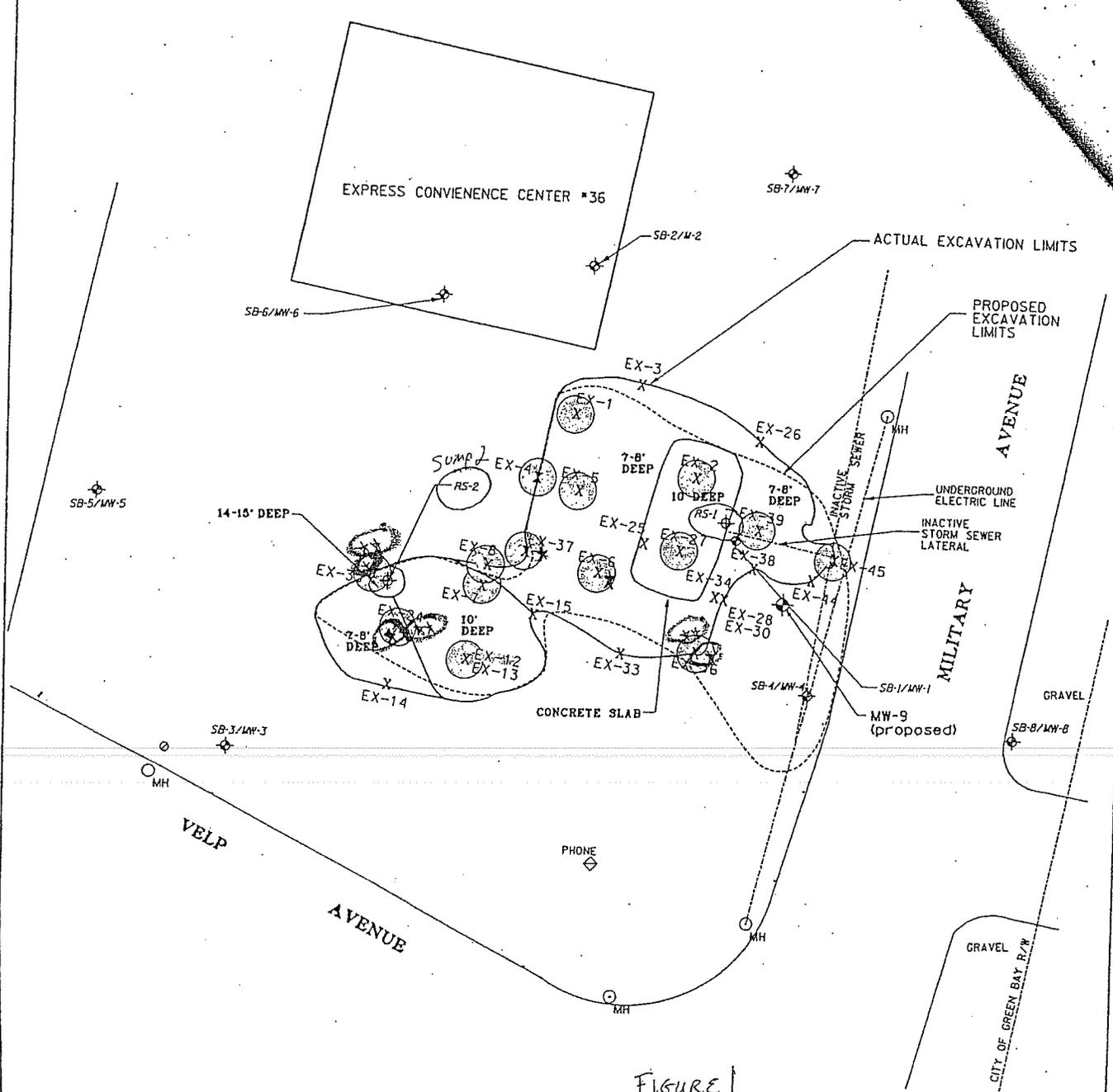


Figure 1

LEGEND	
⊕	RECOVERY SUMP
⊕	SOIL BORING/MONITORING WELL LOCATION
⊕	ABANDONED MONITORING WELL LOCATION
○	SOIL SAMPLES EXCEEDING NR-720 STANDARDS

⊕ NR 746 Table 1 exceedance
 ⊕⊕ NR 746 Table 2 exceedance



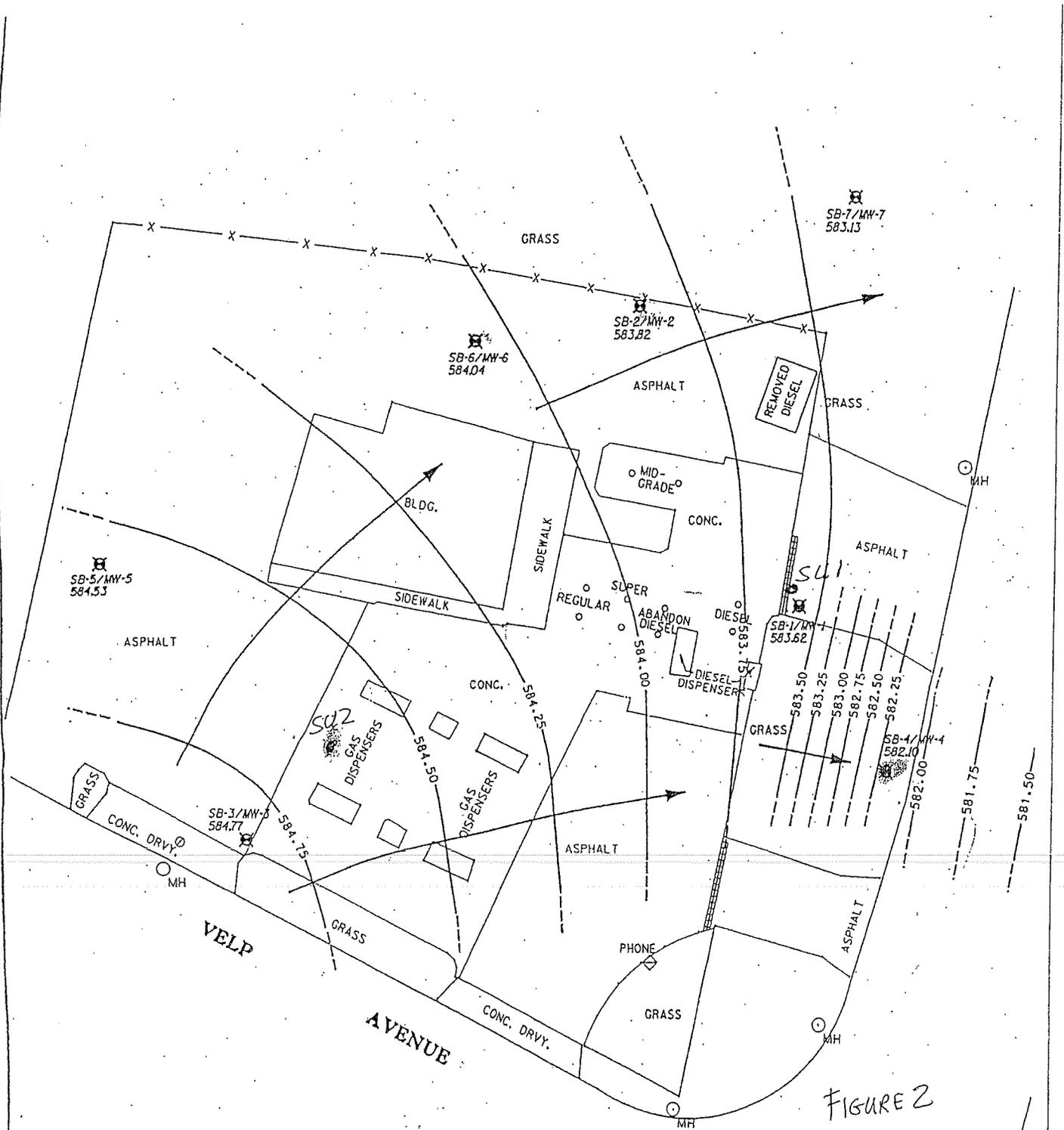
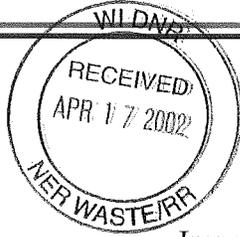


FIGURE 2

LEGEND	
	SOIL BORING/MONITORING WELL LOCATION
	GROUNDWATER CONTOUR LINE
	INFERRED GROUNDWATER CONTOUR LINE
	DIRECTION OF GROUNDWATER FLOW

ES exceed
 Pal excc
 less 4



Inspection/Maintenance Procedures
1618 Velp Ave. Green Bay, WI
WDNR BRRTS Case #: 03-05-002187
Drafted 4/15/02

Data and other information suggest that the pavement is functioning as an effective barrier to infiltration and preventing additional petroleum contamination to the groundwater.

The current condition of the pavement will be documented through photographs.

The pavement will be inspected annually and whatever corrective actions are needed to maintain the pavement in the same general condition that currently exists will be taken.



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Ronald W. Kazmierczak, Regional Director

Northeast Region Headquarters
1125 N. Military Ave., P.O. Box 10448
Green Bay, Wisconsin 54307-0448
Telephone 920-492-5800
FAX 920-492-5913
TTY 920-492-5912

July 19, 2001

Mr. Tim Schmidt
U.S. Oil Company
425 West Washington Street
P.O. Box 25
Combined Locks, WI 54113

Subject: Conditional Case Closure with a groundwater use restriction, soil performance standard (cap) & NR 140 Exemption (for City of Green Bay ROW) for the Express Convenience Center # 36, 1618 Velp Avenue, Green Bay, Wisconsin WDNR BRRTS # 03-05-002187

Dear Mr. Schmidt:

On June 21, 2001, your request for closure of the case described above was reviewed by the Wisconsin Department of Natural Resources Closure Committee in Northeast Region. This 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 Closure Committee has determined that the petroleum contamination on the site in the vicinity of the petroleum tank system appears to have been investigated and remediated to the extent practicable under site conditions. Your case will be closed under s. NR 726.05, Wis. Adm. Code, if the following conditions are satisfied:

The monitoring wells and any remediation system wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code, unless long term groundwater monitoring is going to be conducted. If monitoring wells will not be immediately abandoned because you do not file a groundwater use restriction and future groundwater monitoring is planned, you will need to notify me of your monitoring plans in order to qualify for case closure. Documentation of well abandonment must be submitted to the Department on Form 3300-5B found at www.dnr.state.wi.us/org/water/dgw/gw/ or provided by the Department of Natural Resources.

Any remaining waste and/or soil piles generated as part of site investigation or remediation activities must be removed from the site and disposed of or treated in accordance with Department of Natural Resources' rules. Please send a letter advising me that any remaining waste and/or soil piles have been removed once that work is completed.

Section NR 726.05(2)(b), Wis. Adm. Code, provides that if groundwater contamination still

exceeds NR 140 enforcement standards when a closure request is submitted, a case may only be closed if a groundwater use restriction is recorded for each property where enforcement standards are exceeded. Therefore, recording the required groundwater use restriction is an option that the Department of Natural Resources can offer to you in order to close this case. If you choose not to accept this option, you may be required to conduct additional groundwater monitoring using existing or additional monitoring wells and may choose to perform additional investigation and cleanup of the remaining contamination in order to qualify for unconditional closure. However, you should note that additional investigation or cleanup work may not be eligible for reimbursement from the Petroleum Environmental Cleanup Fund Award (PECFA) Program. You should contact the Department of Commerce to determine if the additional work will be eligible for reimbursement.

To assist us drafting the groundwater use restriction document, you should submit a copy of the property deed or deeds to me. Once the Department of Natural Resources has prepared your draft document, you should review it for completeness and provide comments if appropriate, sign it if you own the property, or have the appropriate property owner sign it, and have it recorded at the Brown County Register of Deeds Office. Then you must submit a copy of the recorded document, with the recording information stamped on it, to me. Please be aware that if a groundwater use restriction is recorded for the wrong property because of an inaccurate legal description that you have provided, you will be responsible for recording corrected documents at the Register of Deeds Office to correct the problem.

The closure committee has required that a deed restriction be signed and recorded to address the issue of the remaining soil contamination associated with the site. The purpose of the restriction is to maintain the existing surface barrier over the remaining soil contamination to prevent it from impacting human health and the environment. The language regarding the existing cap will be incorporated into the groundwater use restriction document.

In accordance with ss. NR 714.07(5) and 722.09(2)(a)2, Wis. Adm. Code, you are required to provide a Class 1 public notice under ch. 985, Stats., concerning the impermeable cap you propose to maintain on your property. Please refer to s. NR 714.07(5), Wis. Adm. Code, for details on the required content of the public notice. An example of a Class 1 public notice for your use has been provided with this letter. Also enclosed is a list of newspapers in which the public notice can be published. The Department requires that you submit proof (a photocopy) of the published notice.

There is residual soil and/or groundwater contamination in a public street or highway right-of-way (Military Avenue). You should provide written notification of the presence of residual soil and/or groundwater contamination to the clerk of the town and county or municipality where the right-of-way is located and to the municipal department or state agency that maintains the right-of-way. Please provide me with a copy of the written notification.

When the above conditions have been satisfied, please submit a letter to let me know that applicable conditions have been met, and your case will be closed.

Recent groundwater monitoring data at this site indicates exceedances of the NR 140 preventive action limit (PAL) for Methyl-tert-butyl-ether (MTBE) at monitoring well MW8, but compliance with the NR 140 enforcement standard. The Department may grant an exemption to a PAL for a substance of public health concern, pursuant to s. NR 140.28(2)(b), Wis. Adm. Code, if all of the following criteria are met:

1. The measured or anticipated increase in the concentration of the substance will be minimized to the extent technically and economically feasible.
2. Compliance with the PAL is either not technically or economically feasible.
3. The enforcement standard for the substance will not be attained or exceeded at the point of standards application.
4. Any existing or projected increase in the concentration of the substance above the background concentration does not present a threat to public health or welfare.

Based on the information you provided, the Department believes that the above criteria have been or will be met because of the remedial action at the Express Convenience Center site. Therefore, pursuant to s. NR 140.28(2)(b), Wis. Adm. Code, an exemption to the PAL is granted for MTBE at MW8. This letter serves as your exemption.

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 in Green Bay at (920) 492-5921.

Sincerely,



Keld B. Lauridsen
Hydrogeologist
Remediation & Redevelopment Program

Enclosure

cc: Wayne Fassbender, Graef, Anhalt, Schloemer & Assoc., Inc.,
125 S. 84th Street, Suite 401, Milwaukee, WI 53214-1470
Ed Wiesner, Director of Public Works, City of Green Bay,
100 N. Jefferson Street, Room 300, Green Bay, Wisconsin 54301-5026
Steve Karklins - DG/2

DOCUMENT NO.

1023314

WARRANTY DEED
STATE BAR OF WISCONSIN FORM 2-1982

J 8024 1 10

THIS SPACE RESERVED FOR RECORDING DATA

REGISTER OF DEEDS
BROWN COUNTY

MAY - 1 1984

AT 12:58 O'CLOCK P.M.

Ray Kelly REGISTER OF DEEDS
60

NEIL A. POSEY and GARY O. POSEY

conveys and warrants to

U. S. Oil Co., Inc., a Wisconsin corporation,

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

RETURN TO
McCarty, Curry, Wydeven, Peeters & Riester
P.O. Box 351
Kaukauna, WI 54130-0351

Tax Parcel No:

SEE ATTACHED

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

Exception to warranties:

Dated this 25th day of April, 1984

..... (SEAL)

Neil A. Posey (SEAL)

* NEIL A. POSEY

..... (SEAL)

Gary O. Posey (SEAL)

* GARY O. POSEY

AUTHENTICATION

Signature(n)

authenticated this day of, 19.....

TITLE: MEMBER STATE BAR OF WISCONSIN

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

THIS INSTRUMENT WAS DRAFTED BY
ATTORNEY STEPHEN J. EVERSON

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

ACKNOWLEDGMENT

STATE OF WISCONSIN

Brown County, ss.

Personally came before me this 20 day of
April, 1984 the above named
NEIL A. POSEY and GARY O. POSEY

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

Patricia Gerend

* Patricia Gerend

Notary Public Brown County, Wis.
My Commission is permanent. (If not, state expiration
date: 3/5/, 1985.)

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

1023314

J 8024 I 11

That part of the Easterly Twenty-four (24) acres of Lot Fifty-nine (59), lying North of Duck Creek Road, also known as Velp Avenue, Fort Howard Military Reserve, in the Village of Howard, Brown County, Wisconsin, described as follows:

Commencing where the East line of Lot 59 intersects the North line of Duck Creek Road, now known as City U.S. Highway 41 and State Highway 141; thence N.26°-18'-19"E. along said government lot line, 193.41 feet; thence N47°46'01"W., 34.32 feet to an iron pipe and the point of beginning; thence N.63°34'34"W. 163.15 feet to an iron pipe; thence S.26°25'26"W. 145.00 feet to an iron pipe on the North line of Duck Creek Road, thence S.47°46'01"E., along said North line, 104.91 feet to an iron pipe and also the point of curvature of a 2,291.83 foot radius curve concave Southeasterly, at which the radius bears N.42°13'59"E., thence Easterly along said curve and said North line, 65.09 feet to an iron pipe; thence N26°18'19"E. 192.24 feet to the point of beginning.

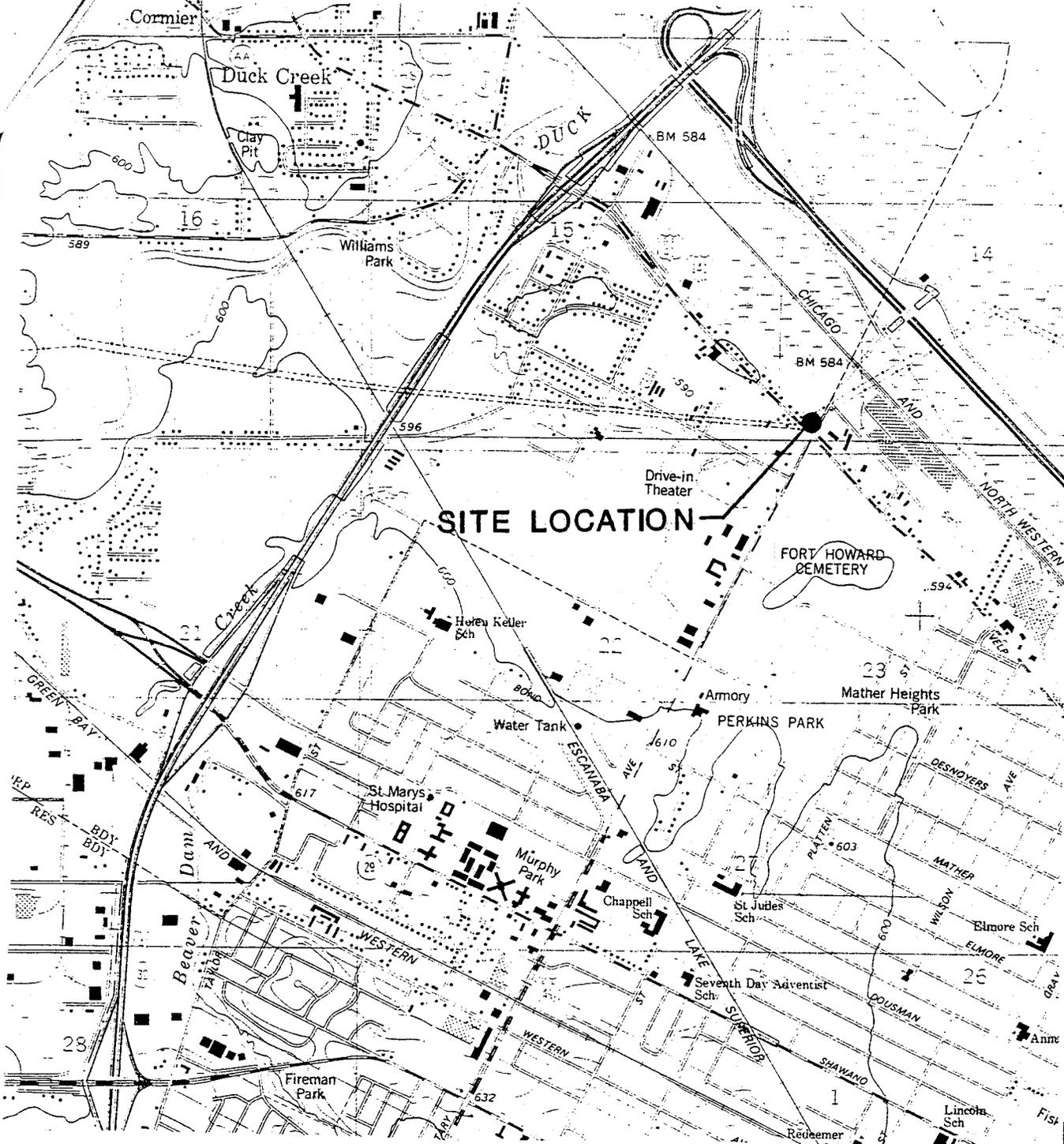
And

That part of the Easterly Twenty-four (24) acres of Lot Fifty-nine (59), lying North of Duck Creek Road, also known as Velp Avenue, Fort Howard Military Reserve, in the Village of Howard, Brown County, Wisconsin, described as follows:

Commencing where the East line of Lot 59 intersects the North line of Duck Creek Road, now known as City U.S. Highway 41 and State Highway 141; thence N26°18'19"E. along said government lot line, 193.41 feet; thence N47°46'01"W., 34.32 feet; thence N63°34'34"W., 163.15 feet to an iron pipe and the point of beginning; thence N47°46'01"W., 20.83 feet to an iron pipe; thence S26°25'26"W. 145.00 feet to an iron pipe on the North line of said Duck Creek Road; thence S47°46'01"E. along said North line, 20.83 feet to an iron pipe; thence N26°25'26"E., 145.00 feet to the point of beginning.

TRANSFER

\$ 267.00
FEE



SOURCE: GREEN BAY QUADRANGLE

SITE LOCATION MAP

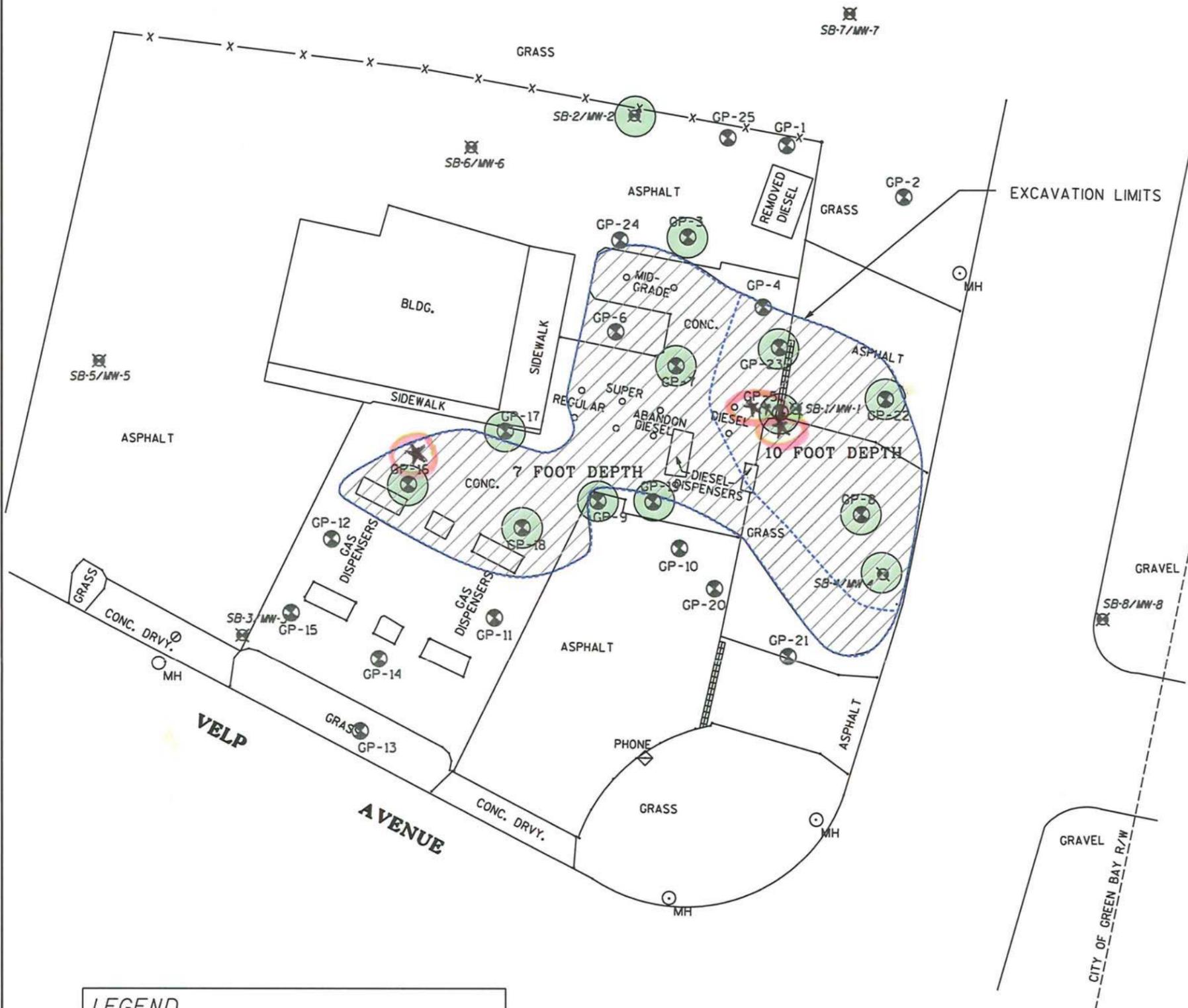
**U.S. OIL EXPRESS CONVENIENCE
CENTER #36
1618 VELP AVENUE
GREEN BAY, WISCONSIN**

SCALE: NTS
DATE: 12/29/95
PROJECT MGR: DK
DRAWN BY: DLH
JOB NUMBER: 952704
REVISION DATE:

**GRAEF
ANHALT
SCHLOEMER**
and Associates Inc.

Pre Remedial Geoprobe Samples and Soil Borings

SOIL BORING AND MONITORING WELL LOCATIONS
PRIOR TO SITE UPGRADES AND REMEDIATION



LEGEND

- SOIL BORING/MONITORING WELL LOCATION
- LIMITS OF PROPOSED EXCAVATION
- SOIL SAMPLES EXCEEDING NR-720 STANDARDS

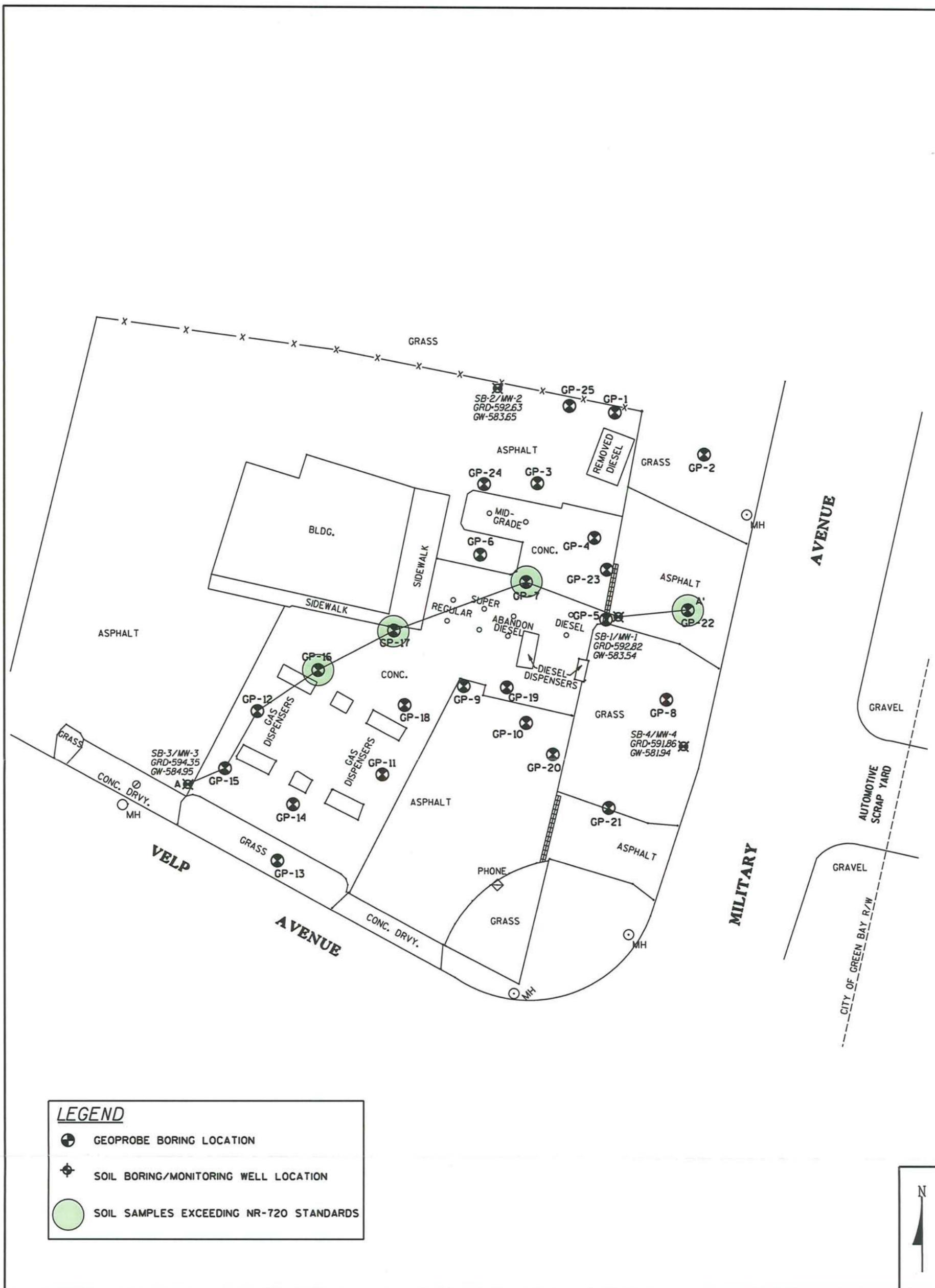
★ NR 746 Table 1 exceedance
★★ NR 746 Table 2 exceedance



FIGURE 3

SITE MAP WITH PROPOSED EXCAVATION LIMITS EXPRESS CONVENIENCE CENTER #36 1618 VELP AVENUE GREEN BAY, WISCONSIN	SCALE:	1" = 30'
	DATE:	5/6/97
	PROJECT MGR:	DK
	DRAWN BY:	TMW
	JOB NUMBER:	952704
	REVISION DATE:	10-24-00

GRAEF ANHALT SCHLOEMER
and Associates Inc.



SITE MAP WITH A-A'
 EXPRESS CONVENIENCE CENTER #36
 1618 VELP AVENUE
 GREEN BAY, WISCONSIN

SCALE: 1"=30'

DATE: 10/24/96

PROJECT MGR: DK

DRAWN BY: DLH/JZ

JOB NUMBER: 952704

REVISION DATE:



FIGURE 3

OTHER OFFICES LOCATED AT:

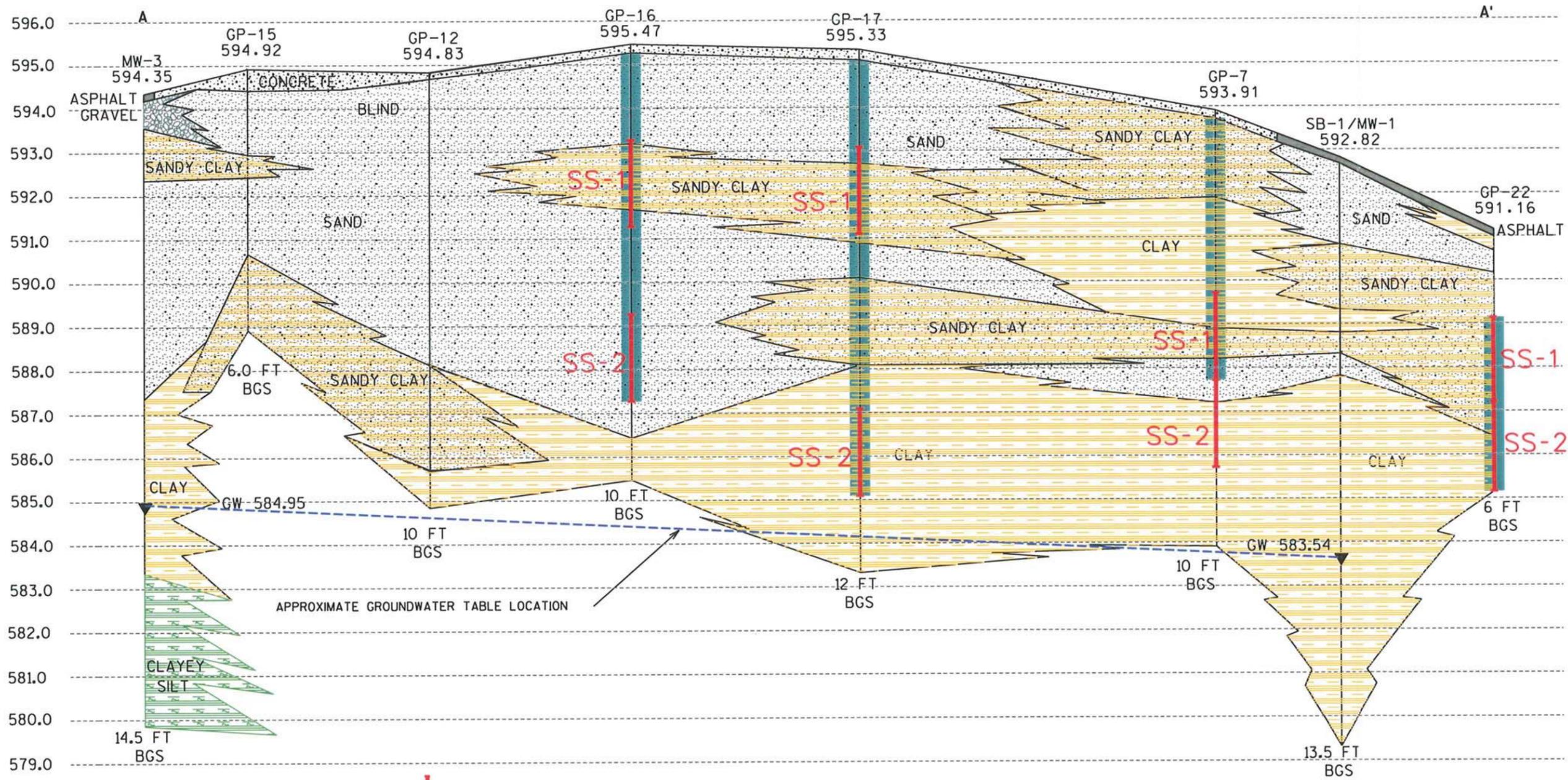
- GREEN BAY, WISCONSIN
- MADISON, WISCONSIN
- CHICAGO, ILLINOIS

PROJECT NAME:

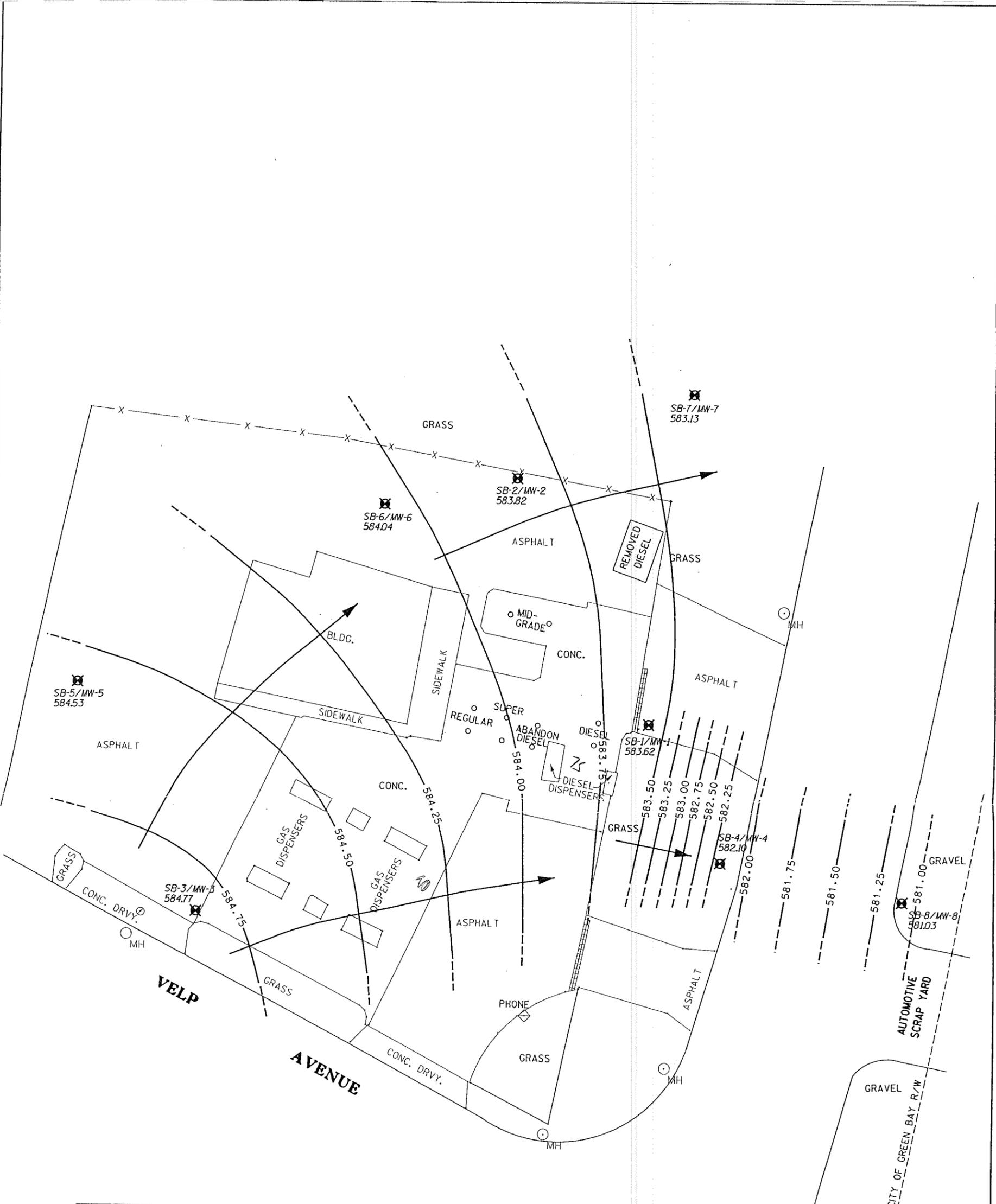
EXPRESS CONVIENENCE CENTER #36
1618 VELD AVENUE
GREEN BAY, WISCONSIN

SHEET TITLE:
GEOLOGICAL CROSS-SECTION
A-A'

PROJECT NUMBER: 952704
 DATE: 10-08-96
 PROJECT MGR: DJH
 DRAWN BY: TMW
 FILE NAME: XSEC.DGN
 SCALE: 1"=13'
 V.E. = 5X



SS-1 | (INDICATES SOIL SAMPLE INTERVAL)
| (INDICATES INTERVAL EXCEEDING NR-720 SOIL STANDARDS)



LEGEND

- SOIL BORING/MONITORING WELL LOCATION
- GROUNDWATER CONTOUR LINE
- INFERRED GROUNDWATER CONTOUR LINE
- DIRECTION OF GROUNDWATER FLOW



GROUNDWATER FLOW MAP
November 11, 1997

EXPRESS CONVENIENCE CENTER #36
1618 VELP AVENUE
GREEN BAY, WISCONSIN

SCALE:	1" = 30'
DATE:	5/6/97
PROJECT MGR:	DK
DRAWN BY:	DLH/JZ
JOB NUMBER:	952704
REVISION DATE:	01-07-98



**GRAEF
ANHALT
SCHLOEMER**
and Associates Inc.

NR 720 exceedance
Depth to GW is 5 1/2 ft.

No Lab data for SB-1
Field screening results were high

Pre-Remedial Soil Results

TABLE 1
SUMMARY OF
SOIL ANALYTICAL DETECTIONS
June 1996 and April 1997

U. S. Oil Company, Inc.
1618 Velp Avenue
Howard, Wisconsin

Below

Analytical Parameter	NR720*	Water table		SB-3	SB-4	SB-5	SB-6	SB-7		SB-8	
	RCLs	SB-2	SB-2					SB-7	SB-8		
	Soil	6/6/96	6/6/96	6/6/96	4/28/97	4/28/97	4/28/97	(1.0-3.0ft)	(5.0-7.0ft)	(1.0-3.0ft)	(3.0-5.0ft)
	Standards	(5.0-7.0ft)	(1.0-3.0ft)	(3.0-5.0ft)	(5.0-7.0ft)	(3.0-5.0ft)	(1.0-3.0ft)	(5.0-7.0ft)	(1.0-3.0ft)	(3.0-5.0ft)	
Diesel Range Organics (DRO)(in ppm) Analytical Method: WDNR modified DRO	100	<10	<10	89	<10	<10	<10	<10	NT	NT	
Gasoline Range Organics (GRO)(in ppm) Analytical Method: WDNR modified GRO	100	<10	<10	18	<10	<10	<10	<10	<10	<10	
Polynuclear Aromatic Hydrocarbons (PNAs)(in ppb) Analytical Method: US EPA 8310											
Acenaphthene	***	<4	NT	NT	<27	<27	<27	NT	NT	<27	
Acenaphthylene	***	<110	NT	NT	<24	<24	<24	NT	NT	<24	
Anthracene	***	4	NT	NT	<9	<9	<9	NT	NT	<9	
Benzo(a)anthracene	***	190	NT	NT	<25	<25	<25	NT	NT	<25	
Benzo(a)pyrene	***	50	NT	NT	<20	<20	<20	NT	NT	43	
Benzo(b)fluoranthene	***	50	NT	NT	<33	<33	<33	NT	NT	57	
Benzo(k)fluoranthene	***	11	NT	NT	<9	<9	<9	NT	NT	89	
Benzo(g,h,i)perylene	***	90	NT	NT	<18	<18	<18	NT	NT	22	
Chrysene	***	50	NT	NT	<24	<24	<24	NT	NT	25.3	
Dibenzo(a,h)anthracene	***	<1.3	NT	NT	<27	<27	<27	NT	NT	<27	
Fluoranthene	***	<80	NT	NT	<22	<22	<22	NT	NT	22.8	
Fluorene	***	<2.2	NT	NT	<27	<27	<27	NT	NT	<27	
Ideno(1,2,3-cd)pyrene	***	<150	NT	NT	<22	<22	<22	NT	NT	<22	
1-Methylnaphthalene	***	<6	NT	NT	<19	<19	<19	NT	NT	<19	
2-Methylnaphthalene	***	9	NT	NT	<23	<23	<23	NT	NT	<23	
Naphthalene	***	8	NT	NT	<17	<17	<17	NT	NT	<17	
Phenanthrene	***	26	NT	NT	<9	<9	<9	NT	NT	15.5	
Pyrene	***	50	NT	NT	<17	<17	<17	NT	NT	24.5	
Petroleum Volatile Organic Compounds (PVOC)** (in ppb) Analytical Methods: US EPA (see columns)											
Benzene (71-43-2)	5.5	5030/8021	5030/8021	5030/8021	5030/8021	5030/8021	5030/8021	5030/8021	5030/8021	5030/8021	
Ethylbenzene (100-41-4)	2900	120	<25	1500	<25	<25	<25	<25	<25	<25	
Methyl-t-butyl ether (MTBE)(163-40-4)	***	<25	<25	<25	<25	<25	<25	<25	<25	<25	
Toluene (108-88-3)	1500	<25	<25	95	<25	<25	<25	<25	<25	<25	
1,2,4-Trimethylbenzene (95-63-6)	***	240	<25	660	<25	<25	<25	<25	<25	<25	
1,3,5-Trimethylbenzene (108-67-8)	***	110	<25	82	<25	<25	<25	<25	<25	<25	
Xylenes, total or m-Xylene (108-38-3) o-Xylene (95-47-6) p-Xylene (106-42-3)	4100	150	<50	1300	<50	<50	<50	<50	<50	<50	
Field-Volatile Organic Compound (VOC) Measurements (- ppm) Method: Flame Ionization Detector (FID)	***	2990	22.6	1491	0.57	2.91	0.88	0.25	2.91	2.91	

EXPLANATION:

* = Chapter NR720 Residual Contaminant Levels (RCLs), Wisconsin Administrative Code.

** = Subset of VOCs, often analyzed in lieu of the full VOC suite.

*** = No soil standards currently exist.

NT = Not Tested

ppm = parts per million

ppb = parts per billion

Detections are represented in bold

Detections above the WDNR Soil Standards are shaded

Analyses by U. S. Oil Analytical Laboratory, Combined Locks, Wisconsin, certification #445027660

Produced by: DJH

Reviewed by: DJH

ES exceedance

PAL exceedance

(ITEM 1)

TABLE 5

SUMMARY OF
GROUNDWATER ANALYTICAL RESULTS
July 9, 1996 through November 11, 1997

U. S. Oil Company, Co.
1618 Velp Avenue
Howard, Wisconsin

Analytical Parameters	NR ES	140* PAL	MW-1			MW-2			MW-3		
			7/9/96	5/6/97	11/11/97	7/9/96	5/8/97	11/11/97	7/9/96	5/6/97	11/11/97
Polynuclear Aromatic Hydrocarbons (PAH)(in ppb) Analytical Method: US EPA 8310											
Acenaphthene	***	***	9	7	<0.076	<0.12	<0.25	NT	<0.12	<0.25	NT
Acenaphthylene	3000	600	<4	<10	<0.081	<4	<10	NT	<4	<10	NT
Anthracene	***	***	1	0.6	<0.11	<0.005	<0.04	NT	<0.005	<0.04	NT
Benzo(a)anthracene	***	***	<0.022	3.1	0.16	<0.022	<0.27	NT	<0.022	<0.27	NT
Benzo(a)pyrene	0.2	0.02	0.7	0.3	<0.18	<0.04	<0.07	NT	<0.04	<0.07	NT
Benzo(b)fluoranthene	0.2	0.02	1.7	0.7	<0.060	<0.019	<0.05	NT	<0.019	<0.05	NT
Benzo(k)fluoranthene	***	***	0.4	0.17	<0.034	<0.005	<0.008	NT	<0.005	<0.008	NT
Benzo(g,h,i)perylene	***	***	0.5	<0.4	<0.051	<0.07	<0.4	NT	<0.07	<0.4	NT
Chrysene	0.2	0.02	<0.7	<0.7	<0.038	<0.7	<0.7	NT	<0.7	<0.7	NT
Dibenzo(a,h)anthracene	***	***	0.15	<0.4	<0.088	<0.05	<0.4	NT	<0.05	<0.4	NT
Fluoranthene	400	80	70	27	<0.072	<2.8	<1.3	NT	<2.8	<1.3	NT
Fluorene	400	80	<0.07	6	3.2	<0.07	<0.6	NT	<0.07	<0.6	NT
Indeno(1,2,3-cd)pyrene	***	***	<5	<0.9	<0.051	<5	<0.9	NT	<5	<0.9	NT
1-Methylnaphthalene	***	***	140	110	160	5	2.5	NT	<0.2	<0.2	NT
2-Methylnaphthalene	***	***	250	130	170	11	1.7	NT	<0.17	<0.19	NT
Naphthalene	40	8	150	130	170	13	3	NT	<0.08	<0.06	NT
Phenanthrene	***	***	30	15	1.2	0.1	<0.17	NT	<0.03	<0.17	NT
Pyrene	250	50	<0.01	3	0.8	0.08	<0.18	NT	0.05	<0.18	NT
Volatile Organic Compounds (VOCs)(in ppb) Analytical Methods: US EPA 5030/8021											
Benzene	5	0.5	1100	420	1000	8	3.5	<5.7	<0.26	<0.21	NT
Bromobenzene	***	***	<4.8	<1.35	<7.8	<0.24	<0.27	NT	<0.24	<0.27	NT
Bromodichloromethane	0.6	0.06	<2.2	<0.37	<9.2	<0.11	<0.073	NT	<0.11	<0.073	NT
n-Butylbenzene	***	***	87	78	37	27	4.5	NT	<0.45	<0.38	NT
sec-Butylbenzene	***	***	12	9.2	<7.6	9.4	1.9	NT	1.1	<0.6	NT
tert-Butylbenzene	***	***	<8	<2.1	<12	<0.4	<0.42	NT	<0.4	<0.42	NT
Carbon tetrachloride	5	0.5	<10	<0.65	<18	<0.5	<0.13	NT	<0.5	<0.13	NT
Chlorobenzene	***	***	<5.4	<1.5	<7.4	<0.27	<0.3	NT	<0.27	<0.3	NT
Chloroethane	400	80	<10	<3.15	<12	<0.5	<0.63	NT	<0.5	<0.63	NT
Chloroform	6	0.6	<4.4	<0.48	<13	<0.22	<0.095	NT	<0.22	<0.095	NT
Chloromethane	3	0.3	<20	<0.42	<12	<1	<0.083	NT	<1	<0.083	NT
2-Chlorotoluene	***	***	<13	<1.1	<8.8	<0.65	<0.22	NT	<0.65	<0.22	NT
4-Chlorotoluene	***	***	<3.8	<1.1	<7.4	<0.19	<0.22	NT	<0.19	<0.22	NT
1,2-Dibromo-3-Chloropropane	0.2	0.02	<20	<0.48	<5.3	<1	<0.096	NT	<1	<0.096	NT
Dibromochloromethane	60	6	<1.8	<0.33	<7.9	<0.09	<0.066	NT	<0.09	<0.066	NT
1,2-Dichlorobenzene	600	60	<2.2	<1.2	<12	<0.11	<0.24	NT	<0.11	<0.24	NT
1,3-Dichlorobenzene	1250	125	<16.6	<1.4	<10	<0.83	<0.28	NT	<0.83	<0.28	NT
1,4-Dichlorobenzene	75	15	<2.6	<1.15	<8.1	<0.13	<0.23	NT	<0.13	<0.23	NT
Dichlorodifluoromethane	1900	200	<108	<1	<12	<5.4	<0.2	NT	<5.4	<0.2	NT
1,1-Dichloroethane	7	0.7	<7.4	<1.55	<15	<0.37	<0.31	NT	<0.37	<0.31	NT
1,2-Dichloroethane	5	0.5	<17.2	<0.7	<13	<0.86	<0.14	NT	<0.86	<0.14	NT
1,1-Dichloroethane	850	85	<5.4	<0.65	<13	<0.27	<0.13	NT	<0.27	<0.13	NT
cis-1,2-Dichloroethane	70	7	<5.8	<1.6	<7.2	<0.29	<0.32	NT	<0.29	<0.32	NT
trans-1,2-Dichloroethane	100	20	<4.6	<0.55	<30	<0.23	<0.11	NT	<0.23	<0.11	NT
1,2-Dichloropropane	5	0.5	<3	<0.41	<11	<0.15	<0.081	NT	<0.15	<0.081	NT
1,3-DCP, Tetrachloroethene	5	0.5	<11.2	<0.9	<13	<0.56	<0.18	NT	<0.56	<0.18	NT
2,2-Dichloropropane	***	***	<20	<1.15	<13	<1	<0.23	NT	<1	<0.23	NT
Di-isopropyl Ether	***	***	<7.6	<1.4	<8.6	<0.38	<0.28	NT	<0.38	<0.28	NT
Ethylbenzene	700	140	450	120	190	110	23	55	<0.32	<0.68	NT
EDB (1,2-Dibromoethane)	0.05	0.005	<1.6	<0.24	<6.2	<0.08	<0.048	NT	<0.08	<0.048	NT
Hexachlorobutadiene	***	***	<7	<1.2	<14	<0.35	<0.24	NT	<0.35	<0.24	NT
Isopropylbenzene	***	***	24	13	<11	49	12	NT	<0.36	<0.38	NT
p-Isopropyltoluene	***	***	<9.2	8	25	0.91	<0.37	NT	<0.46	<0.37	NT
Methylene chloride	5	0.5	<80	<1.45	<12	<4	<0.29	NT	<4	<0.29	NT
Methyl-butyl ether (MTBE)	60	12	16	3.9	74	<0.22	<0.21	74	17	2.8	NT
Naphthalene	40	8	240	160	130	50	9.4	NT	<0.41	<1	NT
n-Propylbenzene	***	***	42	18	21	140	31	NT	<0.41	<0.4	NT
1,1,2,2-Tetrachloroethane	0.2	0.02	<6.2	<0.5	<8.8	<0.31	<0.099	NT	<0.31	<0.099	NT
Tetrachloroethene	5	0.5	<11.2	<0.65	<8.2	<0.56	<0.13	NT	<0.56	<0.13	NT
Toluene	1800	300	16	<7.5	<9.8	1.9	<1.5	<5.6	<0.69	<1.5	NT
1,2,3-Trichlorobenzene	***	***	<20	<2.85	<10	<1	<0.57	NT	<1	<0.57	NT
1,2,4-Trichlorobenzene	70	14	<18.2	<2.6	<7.4	<0.91	<0.52	NT	<0.91	<0.52	NT
1,1,1-Trichloroethane	200	40	<12.6	<1.85	<17	<0.63	<0.37	NT	<0.63	<0.37	NT
1,1,2-Trichloroethane	5	0.5	<3.4	<0.32	<11	<0.17	<0.064	NT	<0.17	<0.064	NT
Trichloroethane	***	***	<3.6	<0.65	<12	<0.18	<0.13	NT	<0.18	<0.13	NT
Trichlorofluoromethane	***	***	<28	<7	<19	<1.4	<1.4	NT	<1.4	<1.4	NT
1,2,4-Trimethylbenzene	480	120	440	360	180	8.9	2.4	30	<0.57	<1	NT
1,3,5-Trimethylbenzene	10,000	1000	120	130	21	6.3	1.7	<6.1	<0.57	<0.86	NT
Vinyl Chloride	0.2	0.02	<10.8	<0.225	<8.0	<0.54	<0.045	NT	<0.54	<0.045	NT
Total Xyenes	10,000	1000	1420	560	145	26.73	5.6	30	1.23	<1.78	NT
Field Parameters											
pH (negative base-10 logarithmic units)	***	***	6.73	6.84	6.93	6.94	7.27	7.22	6.73	7.71	NT
Temperature (degrees C)	***	***	11.6	10.4	11.4	13.9	9.6	9.8	12.3	12.5	NT
Specific Conductivity	***	***	3.01mS/cm	2.88mS/cm	3.11mS/cm	4.68mS/cm	1.54mS/cm	2.25mS/cm	1.44mS/cm	5.55mS/cm	NT

EXPLANATION:

* = Chapter NR140 groundwater quality standards, Wisconsin Administrative Code.
 *** = No groundwater standards currently exist.
 ppm = parts per million
 ppb = parts per billion
 PAL = Preventive Action Limit
 ES = Enforcement Standard

Produced by: DJH
 Reviewed by: DJH

EPA = Environmental Protection Agency
 WDNR = Wisconsin Department of Natural Resources
 NT = Not Tested

Analytical detections are bold
 NR140 PAL exceedances
 NR140 ES exceedances

ES Exceedance
 Pal Exceedance

TABLE 6
 SUMMARY OF
 GROUNDWATER ANALYTICAL RESULTS
 July 9, 1996 through March 21, 2000

U. S. Oil Company, Co.
 1618 Velp Avenue
 Howard, Wisconsin

Row

Analytical Parameters	NR 140*		MW-4 Downgradient				MW-8 off site			SU-1	SU-2	DUP
	ES	PAL	7/9/96	5/6/97	11/11/97	3/21/00	5/9/97	11/11/97	3/21/00	3/21/00	3/21/00	3/21/00
Polynuclear Aromatic Hydrocarbons (PAH)(in ppb) Analytical Method: US EPA 8310												
Acenaphthene	***	***	<0.12	NT	<0.076	NT	<0.25	NT	NT	NT	NT	NT
Acenaphthylene	***	***	<4	NT	<0.081	NT	<10	NT	NT	NT	NT	NT
Anthracene	3000	600	0.031	NT	<0.11	NT	<0.04	NT	NT	NT	NT	NT
Benzo(a)anthracene	***	***	<0.022	NT	<0.050	NT	<0.27	NT	NT	NT	NT	NT
Benzo(a)pyrene	0.2	0.02	<0.04	NT	<0.18	NT	<0.07	NT	NT	NT	NT	NT
Benzo(b)fluoranthene	2	202	<0.019	NT	<0.060	NT	<0.05	NT	NT	NT	NT	NT
Benzo(k)fluoranthene	***	***	<0.005	NT	<0.034	NT	<0.008	NT	NT	NT	NT	NT
Benzo(g,h,i)perylene	***	***	<0.07	NT	<0.051	NT	<0.4	NT	NT	NT	NT	NT
Chrysene	2	202	<0.7	NT	<0.038	NT	<0.7	NT	NT	NT	NT	NT
Dibenzo(a,h)anthracene	***	***	<0.05	NT	<0.088	NT	<0.4	NT	NT	NT	NT	NT
Fluoranthene	400	80	<2.8	NT	<0.072	NT	<1.3	NT	NT	NT	NT	NT
Fluorene	400	80	<0.07	NT	<0.084	NT	<0.6	NT	NT	NT	NT	NT
Indeno(1,2,3-cd)pyrene	***	***	<5	NT	<0.051	NT	<0.9	NT	NT	NT	NT	NT
1-Methylnaphthalene	***	***	1.5	NT	160	NT	<0.2	NT	NT	NT	NT	NT
2-Methylnaphthalene	***	***	2	NT	130	NT	<0.19	NT	NT	NT	NT	NT
Naphthalene	40	8	17	NT	310	NT	3	NT	NT	NT	NT	NT
Phenanthrene	***	***	0.05	NT	<0.060	NT	<0.17	NT	NT	NT	NT	NT
Pyrene	250	50	0.06	NT	<0.068	NT	<0.18	NT	NT	NT	NT	NT
Volatile Organic Compounds (VOCs)(in ppb) Analytical Methods: US EPA 5030/8021												
Benzene	5	0.5	480	NT	400	20	290	25	<0.13	0.35	98	<0.13
Bromobenzene	***	***	<0.48	NT	NT	NT	<0.27	<0.16	NT	NT	NT	NT
Bromodichloromethane	0.6	0.06	<2.2	NT	NT	NT	<0.073	<0.18	NT	NT	NT	NT
n-Butylbenzene	***	***	99	NT	NT	NT	<0.38	1.1	NT	NT	NT	NT
sec-Butylbenzene	***	***	<9.8	NT	NT	NT	<0.6	<0.15	NT	NT	NT	NT
tert-Butylbenzene	***	***	<8	NT	NT	NT	<0.42	<0.24	NT	NT	NT	NT
Carbon tetrachloride	5	0.5	<10	NT	NT	NT	<0.13	<0.36	NT	NT	NT	NT
Chlorobenzene	***	***	<5.4	NT	NT	NT	<0.3	<0.15	NT	NT	NT	NT
Chloroethane	400	80	<10	NT	NT	NT	<0.63	<0.24	NT	NT	NT	NT
Chloroform	6	0.6	<4.4	NT	NT	NT	<0.095	<0.25	NT	NT	NT	NT
Chloromethane	3	0.3	<20	NT	NT	NT	<0.083	<0.24	NT	NT	NT	NT
2-Chlorotoluene	***	***	<13	NT	NT	NT	<0.22	<0.18	NT	NT	NT	NT
4-Chlorotoluene	***	***	<3.8	NT	NT	NT	<0.22	<0.15	NT	NT	NT	NT
1,2-Dibromo-3-Chloropropane	0.2	0.02	<20	NT	NT	NT	<0.096	<0.11	NT	NT	NT	NT
Dibromochloromethane	60	6	<1.8	NT	NT	NT	<0.066	<0.16	NT	NT	NT	NT
1,2-Dichlorobenzene	600	60	<2.2	NT	NT	NT	<0.24	<0.24	NT	NT	NT	NT
1,3-Dichlorobenzene	1250	125	<16.6	NT	NT	NT	<0.28	<0.20	NT	NT	NT	NT
1,4-Dichlorobenzene	75	15	<2.6	NT	NT	NT	<0.23	<0.16	NT	NT	NT	NT
Dichlorodifluoromethane	1000	200	<108	NT	NT	NT	<0.2	<0.25	NT	NT	NT	NT
1,1-Dichloroethene	7	0.7	<7.4	NT	NT	NT	<0.31	<0.30	NT	NT	NT	NT
1,2-Dichloroethane	5	0.5	<17.2	NT	NT	NT	1.8	<0.25	NT	NT	NT	NT
1,1-Dichloroethane	850	85	<5.4	NT	NT	NT	<0.13	<0.26	NT	NT	NT	NT
cis-1,2-Dichloroethene	70	7	<5.8	NT	NT	NT	<0.32	<0.14	NT	NT	NT	NT
trans-1,2-Dichloroethene	100	20	<4.6	NT	NT	NT	<0.11	<0.61	NT	NT	NT	NT
1,2-Dichloropropane	5	0.5	<3	NT	NT	NT	<0.081	<0.23	NT	NT	NT	NT
1,3-DCP, Tetrachloroethene	5	0.5	<11.2	NT	NT	NT	<0.18	<0.25	NT	NT	NT	NT
2,2-Dichloropropane	***	***	<20	NT	NT	NT	<0.23	<0.26	NT	NT	NT	NT
Di-isopropyl Ether	***	***	<7.6	NT	NT	NT	<0.28	<0.17	NT	NT	NT	NT
Ethylbenzene	700	140	1500	NT	1300	110	98	<0.22	<0.22	0.33	670	<0.22
EDB (1,2-Dibromoethane)	0.05	0.005	<1.6	NT	NT	NT	<0.048	<0.12	NT	NT	NT	NT
Hexachlorobutadiene	***	***	<7	NT	NT	NT	<0.24	<0.29	NT	NT	NT	NT
Isopropylbenzene	***	***	49	NT	NT	NT	4.4	22	NT	NT	NT	NT
p-Isopropyltoluene	***	***	<9.2	NT	NT	NT	<0.37	<0.20	NT	NT	NT	NT
Methylene chloride	5	0.5	<80	NT	NT	NT	<0.29	<0.24	NT	NT	NT	NT
Methyl-butyl ether (MTBE)	60	12	<4.4	NT	NT	2.3	240	12	13	<0.16	<5.3	12
Naphthalene	40	8	190	NT	NT	NT	5.8	<0.16	NT	NT	NT	NT
n-Propylbenzene	***	***	140	NT	NT	NT	5.3	0.65	NT	NT	NT	NT
1,1,2,2-Tetrachloroethane	0.2	0.02	<6.2	NT	NT	NT	<0.099	<0.18	NT	NT	NT	NT
Tetrachloroethene	5	0.5	<11.2	NT	NT	NT	<0.13	<0.16	NT	NT	NT	NT
Toluene	1000	200	88	NT	84	0.51	6.8	<0.20	<0.20	<0.20	2.8	<0.20
1,2,3-Trichlorobenzene	***	***	<20	NT	NT	NT	<0.57	<0.21	NT	NT	NT	NT
1,2,4-Trichlorobenzene	70	14	<18.2	NT	NT	NT	<0.52	<0.15	NT	NT	NT	NT
1,1,1-Trichloroethane	200	40	<12.6	NT	NT	NT	<0.37	<0.34	NT	NT	NT	NT
1,1,2-Trichloroethane	5	0.5	<3.4	NT	NT	NT	<0.064	<0.21	NT	NT	NT	NT
Trichloroethene	***	***	<3.6	NT	NT	NT	<0.13	<0.25	NT	NT	NT	NT
Trichlorofluoromethane	***	***	<28	NT	NT	NT	<1.4	<0.39	NT	NT	NT	NT
1,2,4-Trimethylbenzene	***	***	940	NT	1000	49	11	<0.19	<0.22	<0.22	210	<0.22
1,3,5-Trimethylbenzene	***	***	260	NT	130	<0.29	1.8	<0.18	<0.29	<0.29	6.8	<0.29
Vinyl Chloride	0.2	0.02	<10.8	NT	NT	NT	<0.045	<0.29	NT	NT	NT	NT
Total Xylenes	10,000	2000	2570	NT	1574	12	77	<0.76	<0.23	2.2	89	<0.23
Natural Attenuation Parameters (in ppm)												
Alkalinity, Total (CaCO3) (US EPA Method 310.2)	***	***	NT	NT	NT	450	NT	NT	660	120	410	NT
Chloride (US EPA Method 325.2)	***	***	NT	NT	NT	1690	NT	NT	1950	1800	820	NT
N-Nitrate (US EPA Method 300.0)	***	***	NT	NT	NT	<0.055	NT	NT	<0.055	0.73	<0.055	NT
Sulfate (US EPA Method 375.2)	***	***	NT	NT	NT	53	NT	NT	160	ss	610	NT
Iron, Dissolved (US EPA 236.1)	***	***	NT	NT	NT	8.6	NT	NT	16	0.90	2.1	NT
Methane (GC-FID, E.C.C.S. Methane in Water Version 1)	***	***	NT	NT	NT	8500	NT	NT	22000	5800	8500	19000
Field Parameters												
pH (negative base-10 logarithmic units)	***	***	6.82	NT	7.20	6.90	7.21	6.99	6.85	7.14	6.92	7.14
Temperature (degrees C)	***	***	12.4	NT	9.0	7.6	9.7	9.9	7.6	5.7	8.8	5.7
Specific Conductivity	***	***	4.45mS/cm	NT	3.81mS/cm	6.17mS/cm	3.84mS/cm	2.51mS/cm	7.61mS/cm	4.39mS/cm	4.41mS/cm	4.39mS/cm
Dissolved Oxygen	***	***	NT	NT	NT	13	NT	NT	13	0	7	0

EXPLANATION:
 * = Chapter NR140 groundwater quality standards, Wisconsin Administrative Code.
 *** = No groundwater standards currently exist.

EPA = Environmental Protection Agency
 WDNR = Wisconsin Department of Natural Resources
 NT = Not Tested
 NA = Not Applicable

ppm = parts per million
 ppb = parts per billion
 PAL = Preventive Action Limit
 ES = Enforcement Standard

Analytical detections are bold
 NR140 PAL exceedances
 NR140 ES exceedances

Produced by: DJH
 Reviewed by: DJH

ES exceedance
 Pal exceedance

TABLE 5
 SUMMARY OF
 GROUNDWATER ANALYTICAL RESULTS
 July 9, 1996 through May 9, 1997

U. S. Oil Company, Co.
 1618 Velp Avenue
 Howard, Wisconsin

Analytical Parameters	NR 140*		MW-4			MW-5		MW-6		MW-7		MW-8	
	ES	PAL	7/9/96	5/6/97	11/1/97	5/9/97	11/1/97	5/8/97	11/1/97	5/9/97	11/1/97	5/9/97	11/1/97
<p>Polynuclear Aromatic Hydrocarbons (PAH)(in ppb) Analytical Method: US EPA 8310</p>													
Acenaphthene	***	***	<0.12	NT	<0.076	<0.8	NT	<0.25	<0.076	<0.25	NT	<0.25	NT
Acenaphthylene	***	***	<4	NT	<0.081	<0.29	NT	<10	<0.081	<10	NT	<10	NT
Anthracene	3000	600	0.031	NT	<0.11	<0.13	NT	0.05	<0.11	<0.04	NT	<0.04	NT
Benzo(a)anthracene	***	***	<0.022	NT	<0.050	<0.8	NT	<0.27	<0.050	<0.27	NT	<0.27	NT
Benzo(a)pyrene	0.2	0.02	<0.04	NT	<0.18	<0.22	NT	<0.07	<0.18	<0.07	NT	<0.07	NT
Benzo(b)fluoranthene	0.2	0.02	<0.019	NT	<0.060	<0.14	NT	<0.05	<0.060	<0.05	NT	<0.05	NT
Benzo(k)fluoranthene	***	***	<0.005	NT	<0.034	<0.024	NT	<0.008	<0.034	<0.008	NT	<0.008	NT
Benzo(g,h,i)perylene	***	***	<0.07	NT	<0.051	<1.3	NT	<0.4	<0.051	<0.4	NT	<0.4	NT
Chrysene	0.2	0.02	<0.7	NT	<0.038	<2	NT	9	<0.038	<0.7	NT	<0.7	NT
Dibenzo(a,h)anthracene	***	***	<0.05	NT	<0.088	<1.1	NT	<0.4	<0.088	<0.4	NT	<0.4	NT
Fluoranthene	400	80	<2.8	NT	<0.072	<4	NT	<1.3	<0.072	<1.3	NT	<1.3	NT
Fluorene	400	80	<0.07	NT	<0.084	<1.7	NT	<0.6	<0.084	<0.6	NT	<0.6	NT
Indeno(1,2,3-cd)pyrene	***	***	<5	NT	<0.051	<2.6	NT	<0.9	<0.051	<0.9	NT	<0.9	NT
1-Methylnaphthalene	***	***	1.5	NT	160	<0.6	NT	50	50	<0.2	NT	<0.2	NT
2-Methylnaphthalene	***	***	2	NT	130	<0.6	NT	60	63	<0.19	NT	<0.19	NT
Naphthalene	40	8	17	NT	310	<0.19	NT	140	150	<0.06	NT	3	NT
Phenanthrene	***	***	0.05	NT	<0.060	<0.5	NT	0.4	<0.060	<0.17	NT	<0.17	NT
Pyrene	250	50	0.06	NT	<0.068	<0.5	NT	<0.18	<0.068	<0.18	NT	<0.18	NT
<p>GRO (ppb) Volatile Organic Compounds (VOCs)(in ppb) Analytical Methods: US EPA 5030/8021</p>													
Benzene	5	0.5	460	NT	400	<0.21	NT	16	1000	<0.21	NT	290	25
Bromobenzene	***	***	<0.48	NT	NT	<0.27	NT	<2.7	<7.8	<0.27	NT	<0.27	<7.8
Bromodichloromethane	0.6	0.06	<2.2	NT	NT	<0.073	NT	<0.73	<9.2	<0.073	NT	<0.073	<0.18
n-Butylbenzene	***	***	99	NT	NT	<0.38	NT	200	37	<0.38	NT	<0.38	1
sec-Butylbenzene	***	***	<9.8	NT	NT	<0.6	NT	17	<7.6	<0.6	NT	<0.6	<0.15
tert-Butylbenzene	***	***	<8	NT	NT	<0.42	NT	<4.2	<12	<0.42	NT	<0.42	<0.24
Carbon tetrachloride	5	0.5	<10	NT	NT	<0.13	NT	<1.3	<18	<0.13	NT	<0.13	<0.36
Chlorobenzene	***	***	<5.4	NT	NT	<0.3	NT	<3	<7.4	<0.3	NT	<0.3	<0.15
Chloroethane	400	80	<10	NT	NT	<0.63	NT	<6.3	<12	<0.63	NT	<0.63	<0.24
Chloroform	6	0.6	<4.4	NT	NT	<0.095	NT	<0.95	<13	<0.095	NT	<0.095	<0.25
Chloromethane	3	0.3	<20	NT	NT	<0.083	NT	<0.83	<12	<0.083	NT	<0.083	<0.24
2-Chlorotoluene	***	***	<13	NT	NT	<0.22	NT	<2.2	<8.8	<0.22	NT	<0.22	<0.18
4-Chlorotoluene	***	***	<3.8	NT	NT	<0.22	NT	<2.2	<7.4	<0.22	NT	<0.22	<0.15
1,2-Dibromo-3-Chloropropane	0.2	0.02	<20	NT	NT	<0.096	NT	<0.96	<5.3	<0.096	NT	<0.096	<0.11
Dibromochloromethane	60	6	<1.8	NT	NT	<0.066	NT	<0.66	<7.9	<0.066	NT	<0.066	<0.16
1,2-Dichlorobenzene	600	60	<2.2	NT	NT	<0.24	NT	<2.4	<12	<0.24	NT	<0.24	<0.24
1,3-Dichlorobenzene	1250	125	<16.6	NT	NT	<0.28	NT	<2.8	<10	<0.28	NT	<0.28	<0.20
1,4-Dichlorobenzene	75	15	<2.6	NT	NT	<0.23	NT	<2.3	<8.1	<0.23	NT	<0.23	<0.16
Dichlorodifluoromethane	1000	200	<10.8	NT	NT	<0.2	NT	<2	<12	<0.2	NT	<0.2	<0.25
1,1-Dichloroethane	7	0.7	<7.4	NT	NT	<0.31	NT	<3.1	<15	<0.31	NT	<0.31	<0.30
1,2-Dichloroethane	5	0.5	<17.2	NT	NT	<0.14	NT	<1.4	<13	<0.14	NT	1.8	<0.25
1,1-Dichloroethane	850	85	<5.4	NT	NT	<0.13	NT	<1.3	<13	<0.13	NT	<0.13	<0.30
cis-1,2-Dichloroethane	70	7	<5.8	NT	NT	<0.32	NT	<3.2	<7.2	<0.32	NT	<0.32	<0.14
trans-1,2-Dichloroethane	100	20	<4.6	NT	NT	<0.11	NT	<1.1	<30	<0.11	NT	<0.11	<0.61
1,2-Dichloropropane	5	0.5	<3	NT	NT	<0.081	NT	<0.81	<11	<0.081	NT	<0.081	<0.23
1,3-DCP, Tetrachloroethane	5	0.5	<11.2	NT	NT	<0.18	NT	<1.8	<13	<0.18	NT	<0.18	<0.25
2,2-Dichloropropane	***	***	<20	NT	NT	<0.23	NT	<2.3	<13	<0.23	NT	<0.23	<0.26
Di-isopropyl Ether	***	***	<7.6	NT	NT	<0.28	NT	<2.8	<33	<0.28	NT	<0.28	<0.17
Ethylbenzene	700	140	1500	NT	1300	<0.68	NT	1500	860	<0.68	NT	98	<0.22
EDB (1,2-Dibromoethane)	0.05	0.005	<1.6	NT	NT	<0.048	NT	<0.48	<6.2	<0.048	NT	<0.048	<0.12
Hexachlorobutadiene	***	***	<7	NT	NT	<0.24	NT	<2.4	<14	<0.24	NT	<0.24	<0.24
Isopropylbenzene	***	***	49	NT	NT	<0.38	NT	110	27	<0.38	NT	4.4	<0.29
p-Isopropyltoluene	***	***	<9.2	NT	NT	<0.37	NT	8.2	<10	<0.37	NT	<0.37	<0.22
Methylene chloride	5	0.5	<80	NT	NT	<0.29	NT	<2.9	<12	<0.29	NT	<0.29	<0.24
Methyl-butyl ether (MTBE)	60	12	<4.4	NT	NT	0.48	<2.4	<2.1	46	0.72	NT	240	11
Naphthalene	40	8	190	NT	NT	<1	NT	210	150	<1	NT	5.8	0.95
n-Propylbenzene	***	***	140	NT	NT	<0.4	NT	290	120	<0.4	NT	5.3	0.59
1,1,2,2-Tetrachloroethane	0.2	0.02	<6.2	NT	NT	<0.099	NT	<0.99	<8.8	<0.099	NT	<0.099	<0.26
Tetrachloroethane	5	0.5	<11.2	NT	NT	<0.13	NT	<1.3	<8.2	<0.13	NT	<0.13	<0.16
Toluene	1000	200	88	NT	84	<1.5	NT	<15	<9.8	<1.5	NT	6.8	<0.20
1,2,3-Trichlorobenzene	***	***	<20	NT	NT	<0.57	NT	<5.7	<10	<0.57	NT	<0.57	<0.21
1,2,4-Trichlorobenzene	70	14	<18.2	NT	NT	<0.52	NT	<5.2	<7.4	<0.52	NT	<0.52	<0.15
1,1,1-Trichloroethane	200	40	<12.6	NT	NT	<0.37	NT	<3.7	<17	<0.37	NT	<0.37	<0.34
1,1,2-Trichloroethane	5	0.5	<3.4	NT	NT	<0.064	NT	<0.64	<11	<0.064	NT	<0.064	<0.21
Trichloroethane	***	***	<3.6	NT	NT	<0.13	NT	<1.3	<12	<0.13	NT	<0.13	<0.25
Trichlorofluoromethane	***	***	<28	NT	NT	<1.4	NT	<14	<19	<1.4	NT	<1.4	<0.39
1,2,4-Trimethylbenzene	***	***	940	NT	1009	<1	NT	1300	590	<1	NT	11	<0.19
1,3,5-Trimethylbenzene	***	***	260	NT	130	<0.86	NT	360	170	<0.86	NT	1.8	<0.20
Vinyl Chloride	0.2	0.02	<10.8	NT	NT	<0.045	NT	<0.45	<8.0	<0.045	NT	<0.045	<0.16
Total Xyenes	10,000	2,000	2578	NT	1574	<1.78	NT	1157	710	<1.78	NT	77	<0.76
<p>Field Parameters</p>													
pH (negative base-10 logarithmic units)	***	***	6.82	NT	7.20	7.15	NT	7.42	7.32	7.27	NT	7.21	6.99
Temperature (degrees C)	***	***	12.4	NT	9.0	8.2	NT	11.2	11.2	7.8	NT	9.7	9.9
Specific Conductivity	***	***	4.45mS/cm	NT	3.81mS/cm	3.90mS/cm	NT	0.99mS/cm	1.29mS/cm	1.23mS/cm	NT	3.84mS/cm	1.29mS/cm

EXPLANATION:
 * = Chapter NR140 groundwater quality standards, Wisconsin Administrative Code.
 *** = No groundwater standards currently exist.
 ppm = parts per million
 ppb = parts per billion
 PAL = Preventive Action Limit
 ES = Enforcement Standard

Produced by: DJH
 Reviewed by: DJH

EPA = Environmental Protection Agency
 WDNR = Wisconsin Department of Natural Resources
 NT = Not Tested

Analytical detections are bold
 NR140 PAL exceedances
 NR140 ES exceedances

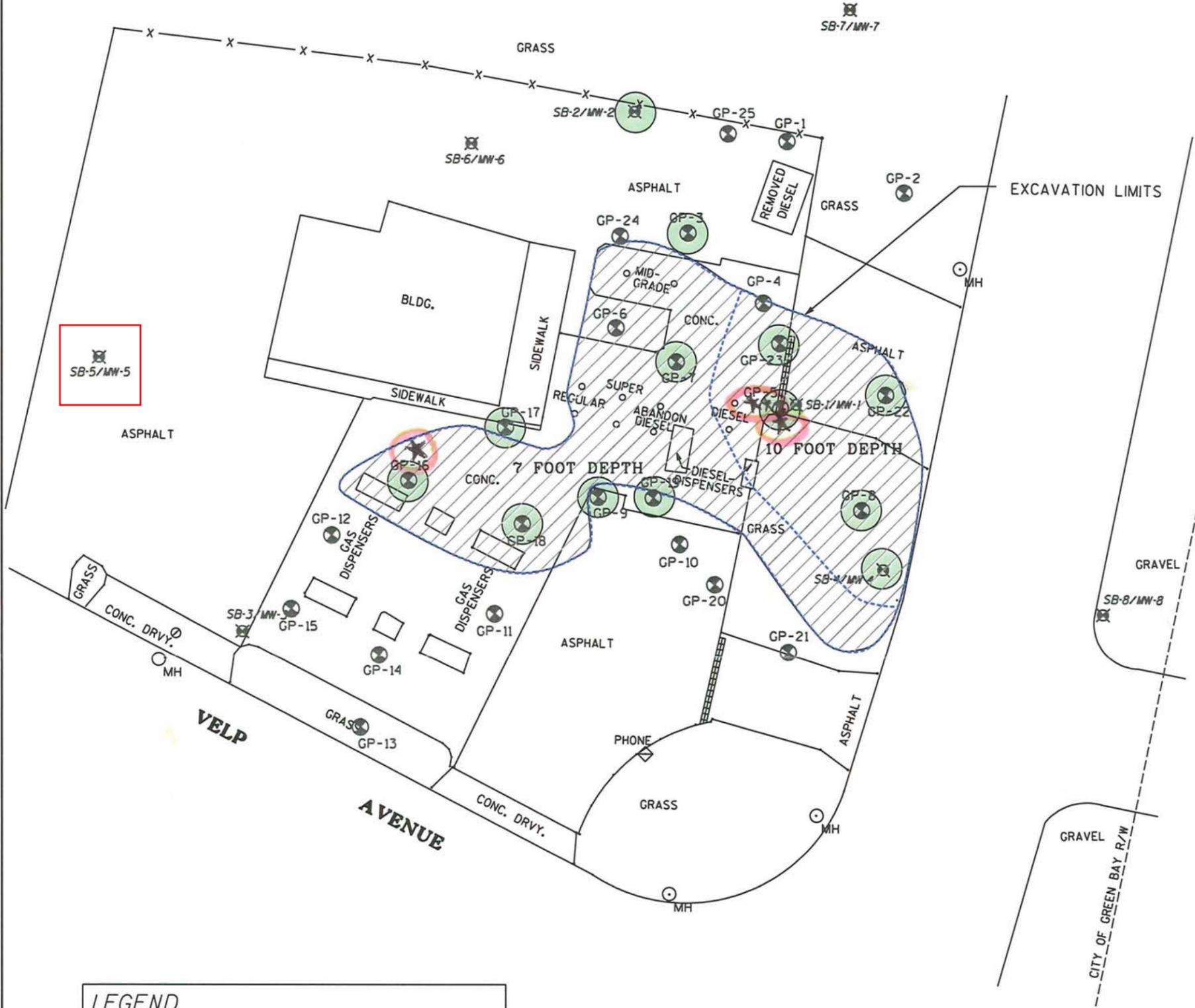
Pre Remedial Geoprobe Samples and Soil Borings

SOIL BORING AND MONITORING WELL LOCATIONS
PRIOR TO SITE UPGRADES AND REMEDIATION

IMPROPERLY ABANDONED
MONITORING WELL

SOURCE
PROPERTY

Improperly Abandoned Monitoring Well



LEGEND

- SOIL BORING/MONITORING WELL LOCATION
- LIMITS OF PROPOSED EXCAVATION
- SOIL SAMPLES EXCEEDING NR-720 STANDARDS

★ NR 746 Table 1 exceedance
★★ NR 746 Table 2 exceedance



FIGURE 3

SITE MAP WITH PROPOSED EXCAVATION LIMITS
EXPRESS CONVENIENCE CENTER #36
1618 VELP AVENUE
GREEN BAY, WISCONSIN

SCALE:	1" = 30'
DATE:	5/6/97
PROJECT MGR:	DK
DRAWN BY:	TMW
JOB NUMBER:	952704
REVISION DATE:	10-24-00

**GRAEF
ANHALT
SCHLOEMER**
and Associates Inc.

Facility/Project Name U.S. Oil Express (Convenience Center # 36)	Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.	Well Name MW-5	SOURCE PROPERTY
Facility License, Permit or Monitoring Number _____	Grid Origin Location Lat. _____ Long. _____ or _____	Wis. Unique Well Number: DNR _____	
Type of Well Water Table Observation Well <input checked="" type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	St. Plane _____ ft. N, _____ ft. E.	Date Well Installed <u>0</u> <u>4</u> / <u>2</u> <u>8</u> / <u>9</u> <u>7</u> m m d d y y	
Distance Well Is From Waste/Source Boundary 150 ft.	Section Location of Waste/Source SW 1/4 of SW 1/4 of Sec. 14 , T. 24 N, R. 20 <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.	Well Installed By: (Person's Name and Firm) Tom Wachholder	
Is Well A Point of Enforcement Std. Application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Location of Well Relative to Waste/Source u <input checked="" type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Diversified Technologies, Inc.	

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
 GP GM GC GW SW SP
 SM SC ML MH CL CH
 Bedrock OH

13. Sieve analysis attached? Yes No

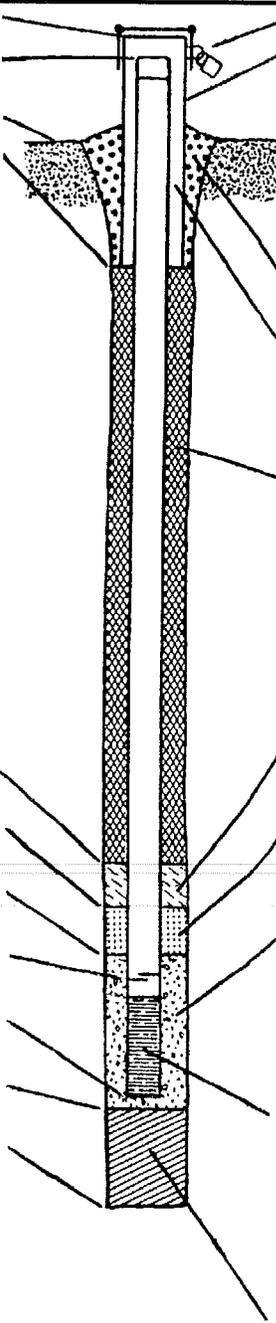
14. Drilling method used: Rotary 50
 Hollow Stem Auger 41
 Other

15. Drilling fluid used: Water 02 Air 01
 Drilling Mud 03 None 99

16. Drilling additives used? Yes No

Describe _____

17. Source of water (attach analysis):



1. Cap and lock? Yes No

2. Protective cover pipe:
 a. Inside diameter: 9.00 in.
 b. Length: 1.0 ft.
 c. Material: Steel 04
 Other

d. Additional protection? Yes No
 If yes, describe: _____

3. Surface seal: Bentonite 30
 Concrete 01
 Other

4. Material between well casing and protective pipe:
 Bentonite 30
 Annular space seal
 Other

5. Annular space seal:
 a. Granular Bentonite 33
 b. _____ Lbs/gal mud weight..Bentonite-sand slurry 35
 c. _____ Lbs/gal mud weight Bentonite slurry 31
 d. _____ % Bentonite Bentonite-cement grout 50
 e. _____ Ft³ volume added for any of the above
 f. How installed: Tremie 01
 Tremie pumped 02
 Gravity 08

6. Bentonite seal:
 a. Bentonite granules 33
 b. 1/4 in. 3/8 in. 1/2 in. Bentonite pellets 32
 c. _____ Other

7. Fine sand material: Manufacturer, product name & mesh size
 a. **Badger Mining #40-60**
 b. Volume added 10 lbs ft³

8. Filter pack material: Manufacturer, product name & mesh size
 a. **RED FLINT #45-55**
 b. Volume added 325 lbs ft³

9. Well casing: Flush threaded PVC schedule 40 23
 Flush threaded PVC schedule 80 24
 Other

10. Screen material: **PVC**
 a. Screen type: Factory cut 11
 Continuous slot 01
 Other
 b. Manufacturer **Env. Manufacturing, Inc.**
 c. Slot size: 0.010 in.
 d. Slotted length: 10.0 ft.

11. Backfill material (below filter pack): None 14
 Other

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.

F. Fine sand, top _____ ft. MSL or 3.0 ft.

G. Filter pack, top _____ ft. MSL or 3.6 ft.

H. Screen joint, top _____ ft. MSL or 4.0 ft.

I. Well bottom _____ ft. MSL or 14.0 ft.

J. Filter pack, bottom _____ ft. MSL or 14.5 ft.

K. Borehole, bottom _____ ft. MSL or 14.5 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.12 in.

N. I.D. well casing 2.03 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [Signature] Firm **Graef, Anhalt, Schloemer, and Associates, Inc.**
 345 North 95th Street, Milwaukee, WI 53226 414.259.1500

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs 144, 147 & 160, Wis Stats, and ch NR 141, Wis Ad Code. In accordance with ch 144, Wis Stats, failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch 147, Wis Stats, failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

September 13, 2001

RIGHT-OF-WAY

Mr. Douglas Daul
City Clerk
100 N. Jefferson St., Room 106
Green Bay, WI 54301

Subject: Notification of NR 140 Enforcement Standards Exceedences
In Military Avenue Right of Way Adjacent to Express Convenience
Center #36, 1618 Velp Avenue, Village of Howard, Wisconsin
WDNR BRRTS # 03-05-002187

Dear Mr. Daul:

On June 21, 2001, the Wisconsin Department of Natural Resources (WDNR) granted conditional closure of the above-referenced site. The WDNR has determined that the petroleum contamination on the site appears to have been investigated and remediated to the extent practicable under site conditions. Since residual petroleum contaminated soil or groundwater may remain in the Military Avenue right of way adjacent to the above mentioned property, we are providing the Village of Howard and the City of Green Bay with notification of the presence of these impacts in accordance with NR 726.05 (2)(b) 4.

A site map for the property is attached and depicts the location of monitoring wells, recovery sumps and post-remedial soil samples. Based on the results of post-remedial groundwater sampling, ES exceedances for benzene were detected in on-site well MW-4 and recovery sump SU-2 on 3/21/2000. Given that groundwater flow is consistently to the east across Military Avenue and that MW-4 is located just west of the Military Ave right of way, groundwater contamination exceeding the NR 140 Enforcement Standards may extend into the Military Avenue right of way. Monitoring well MW8, which is across Military Avenue but in the road right of way, had a concentration of MTBE of 13ppb on 3/21/2000. This is slightly above the NR 140 Preventive Action Limit. The groundwater contamination is in a stable or receding state, and the plume margins are not expanding. Post-remedial soil sample EX-45 collected on 10/9/98 from the wall of the excavation had levels of contamination exceeding NR-720 standards. The proximity of the EX-45 to the property line suggests that contaminated soil may extend into the Military Avenue right of way. It is believed that remediation of the remaining impacts to both groundwater and soil will be completed by natural attenuation processes.

Please keep this letter on file as a reminder to personnel who may be conducting subsurface work at this location in the future that petroleum impacts may be present.

Sincerely



Tim Schmidt
Corporate Environmental Coordinator

RIGHT-OF-WAY

Cc: Ed Wiesner, Director of Public Works, City of Green Bay, 100 N. Jefferson Street, Room 300, Green Bay, Wisconsin 54301-5026

Keld B. Lauridsen, Remediation and Redevelopment Program, Wisconsin Department of Resources, 1125 Military Avenue, Green Bay, Wisconsin 54307-0448

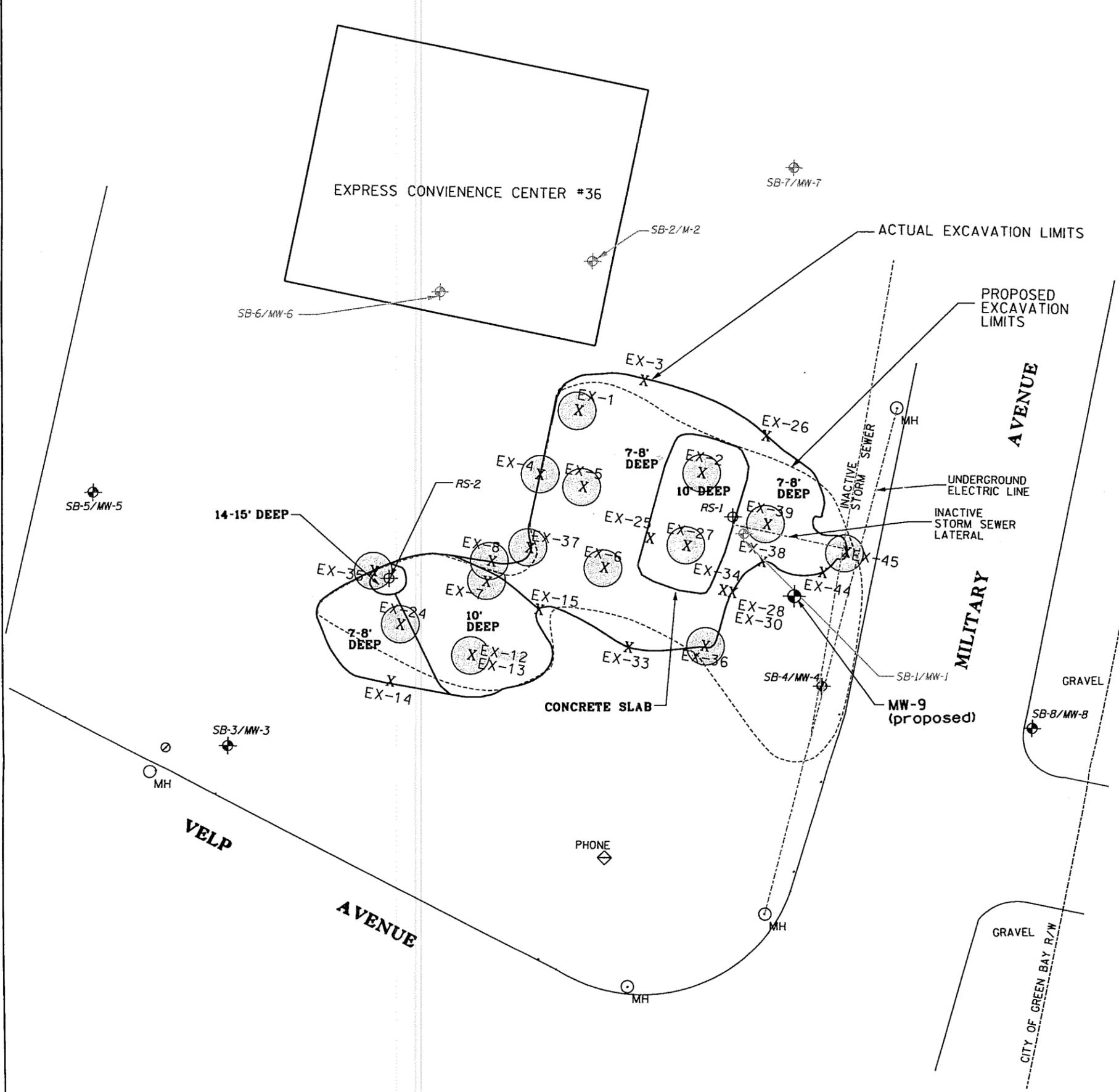
P.S. Given that Military Avenue is on the border of Howard and Green Bay, a similar notice is being sent to:

Mr. Hugh Thomas, Village Clerk, Village of Howard, 2456 Glendale Avenue, P.O. Box 12207, Green Bay, WI 54307-2207

Robert Bartelt, Director of Public Works, Village of Howard, 1336 Cornell Road, P.O. Box 12207, Green Bay, WI 54307-2207

RIGHT-OF-WAY

LOCATION OF POST-REMEDIAL SOIL SAMPLES
(ITEM G)



LEGEND

- ⊕ RECOVERY SUMP
- ⊕ SOIL BORING/MONITORING WELL LOCATION
- ⊕ ABANDONED MONITORING WELL LOCATION
- ⊕ SOIL SAMPLES EXCEEDING NR-720 STANDARDS



SITE MAP WITH EXCAVATION LIMITS
AND SOIL SAMPLE LOCATIONS

EXPRESS CONVENIENCE CENTER #36
1618 VELP AVENUE
GREEN BAY, WISCONSIN

SCALE:	1" = 30'
DATE:	5/6/97
PROJECT MGR:	DJH
DRAWN BY:	TMW/JZ
JOB NUMBER:	952704
REVISION DATE:	10-24-00

**GRAEF
ANHALT
SCHLOEMER**
and Associates Inc.

FIGURE 1

September 13, 2001

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Village Clerk, Village of Howard
2456 Glendale Avenue
P.O. Box 12207
Green Bay, WI 54307-2207

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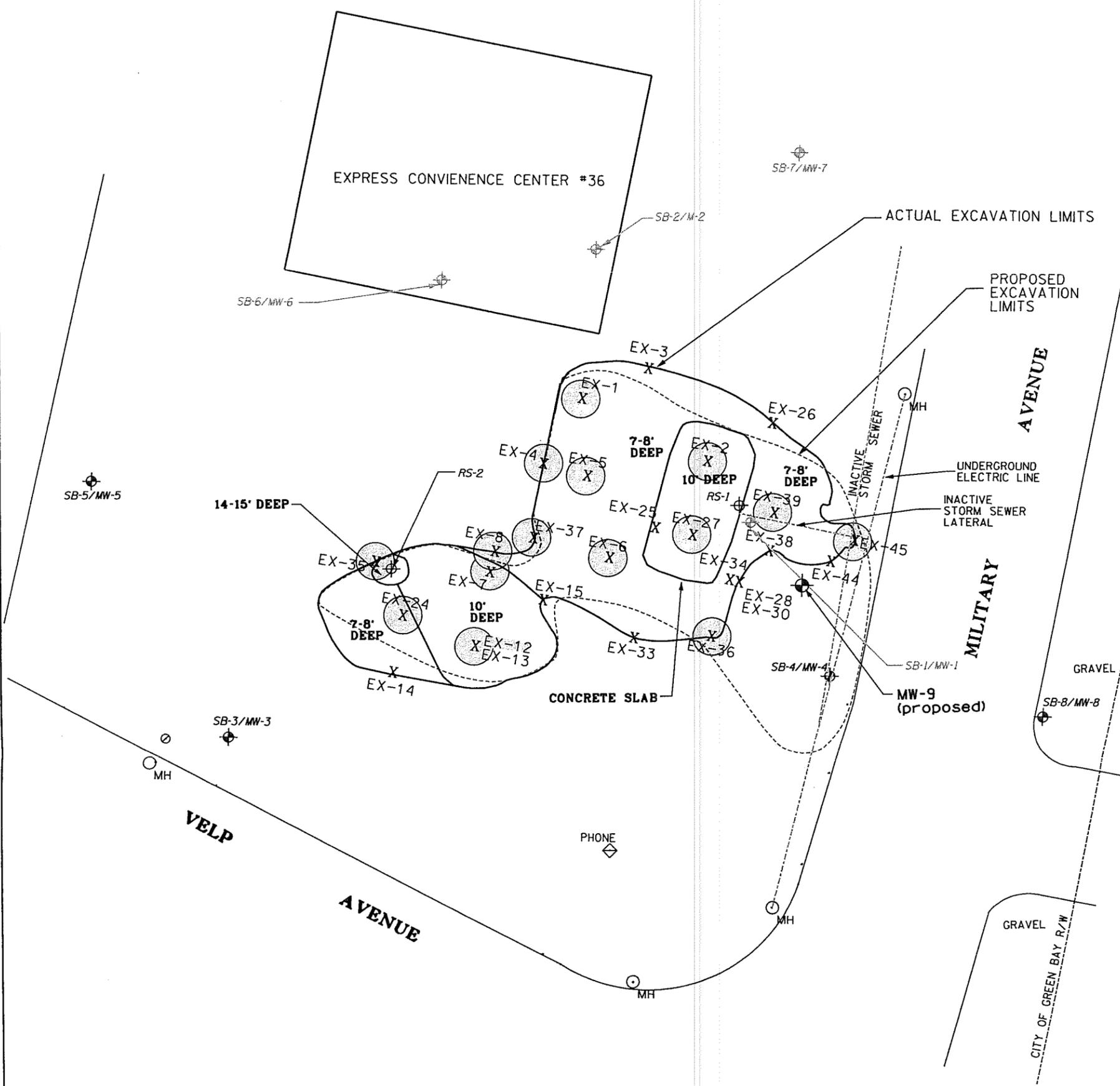
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RIGHT-OF-WAY

LOCATION OF POST-REMEDIAL SOIL SAMPLES (ITEM G)



LEGEND

- RECOVERY SUMP
- SOIL BORING/MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- SOIL SAMPLES EXCEEDING NR-720 STANDARDS



FIGURE 1

SITE MAP WITH EXCAVATION LIMITS
AND SOIL SAMPLE LOCATIONS

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