

Source Property Information

BRRTS #:	03-41-555308	Closure Date:	August 10, 2010
ACTIVITY NAME:	Castle Steel (aka Alro Steel)	FID#:	
PROPERTY ADDRESS:	3000 N 114th St	DATCP#:	
MUNICIPALITY:	Wauwatosa	COMM#:	53222-4295-00-B
PARCEL ID#:	299-9967-12		

***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:

- | | |
|--|--|
| <input type="checkbox"/> <u>Groundwater</u> Contamination > ES (236) | <input checked="" type="checkbox"/> <u>Soil</u> Contamination > *RCLs or **SSRCL (232) |
| <input type="checkbox"/> Groundwater Contamination in ROW | <input type="checkbox"/> Soil Contamination in ROW |
| <input type="checkbox"/> Off-Source Contamination | <input type="checkbox"/> Off-Source Contamination |

(note: for list of impacted off-source properties see attached list of "Impacted Off-Source Property")

(note: for list of impacted off-source properties see attached list of "Impacted Off-Source Property")

Land Use Controls:

- | | |
|---|---|
| <input type="checkbox"/> Soil: maintain industrial zoning (220) | <input type="checkbox"/> Cover or Barrier (222) |
| <input 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) |

(note: soil contaminant concentrations between residential and industrial levels)

(note: maintenance plan for groundwater or direct contact)

(note: local government or economic development corporation)

Monitoring wells properly abandoned? (234)

- Yes No N/A

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 #: PARCEL ID #:
ACTIVITY NAME: WTM COORDINATES: X: Y:

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.)
- Continuing Obligation Cover Letter** (for property owners affected by residual contamination and/or continuing obligations)
- 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 #: NA Title: ALTA/ACSM Land Title Survey for Brodd Property Management, LLP
- 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 11 x 17 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 #: 1 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 #: 2 Title: Site Plan and Site Layout Map
- 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 #: 3 Title: Soil Contamination Contour Map

BRRTS #: 03-41-555308

ACTIVITY NAME: Castle Steel (aka Alro Steel)

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 #: 4A Title: Geologic Cross Section Layout Map

Figure #: 4B and 4C Title: Soil Contamination Geologic Cross Section A-A', B-B'

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 #: N/A 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 #: N/A Title:

Figure #: Title:

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

Tables must be no larger than 11 x 17 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 Sample Analytical Results

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 #: Title:

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:

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 #: 03-41-555308

ACTIVITY NAME: Castle Steel (aka Alro Steel)

NOTIFICATIONS

Source Property

Not Applicable

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.

Not Applicable

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: 0

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:



ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
9316 North 107th Street
Milwaukee, Wisconsin 53224-1121
TTY: Contact Through Relay
Fax: (414) 357-4700
Jim Doyle, Governor
Aaron Oliver, Secretary

August 10, 2010

Mr. Bill Brodd
Brodd Property Management
11311 West Locust Street
Wauwatosa, WI 53222

RE: **Final Closure**

Commerce # 53222-4295-00-B DNR BRRTS # 03-41-555308
Alro Steel, 3000 North 114th Street, Wauwatosa

Dear Mr. Brodd:

The Wisconsin Department of Commerce (Commerce) has received all items required as conditions for closure of the site referenced above. This site is now listed as "closed" on the Commerce database and will be included on the Department of Natural Resources (DNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual soil contamination. To review all sites on the GIS Registry web page, visit <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If you intend to construct or reconstruct a potable well on this property, you must get prior DNR approval.

All current and future owners and occupants of the property need to be aware that excavation of contaminated soil may pose a hazard. Special precautions may be needed to prevent inhalation, ingestion or dermal contact with the residual contamination when it is removed. If soil is excavated, the property owner at the time of excavation must have the soil sampled and analyzed to determine if residual contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation must determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable State and Federal regulations.

Costs for sampling and excavation activities conducted after case closure are not eligible for PECFA reimbursement. However, if it is determined that any undisturbed remaining petroleum contamination poses a threat, the case may be reopened and further investigation or remediation may be required. If this case is reopened, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility. It is in your best interest to keep all documentation related to environmental activities at your site.

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 357-4703.

Sincerely,

Linda M. Michalets
Senior Hydrogeologist
Site Review Section

cc: Mr. D'Arcy Gravelle, Key Engineering Group, Ltd.
Mr. Norbert Bissonette



ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
9316 North 107th Street
Milwaukee, Wisconsin 53224-1121
TTY: Contact Through Relay
Fax: (414) 357-4700
Jim Doyle, Governor
Aaron Oliver, Secretary

July 30, 2010

Mr. Bill Brodd
Brodd Property Management
11311 West Locust Street
Wauwatosa, WI 53222

RE: **Conditional Case Closure**

Commerce # 53222-4295-00-B DNR BRRTS # 03-41-555308
Alro Steel, 3000 North 114th Street, Wauwatosa

2,000-gallon gasoline and 2,000-gallon diesel underground storage tanks removed in 1988

Dear Mr. Brodd:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure prepared by your consultant, Key Engineering Group, Inc. (Key), for the site referenced above. It is understood that residual soil contamination remains on site. Commerce has determined that this site does not pose a significant threat to human health and the environment. No further investigation or remedial action is necessary.

The following condition must be satisfied to obtain final closure:

Monitoring well MW-1 must be properly abandoned within 60 days and the appropriate documentation forwarded to Commerce at the letterhead address within 120 days of the date of this letter. Noncompliance with the abandonment requirement and deadline can result in enforcement action and financial penalties.

It is noted that both underground storage tanks (USTs) were registered as 2,000-gallon "diesel" USTs; however, Key indicated that one of the tanks was a former "gasoline" UST and was erroneously registered as "diesel". You are encouraged to submit a revised Tank Registration Form to Commerce's Tank Registration section of the Bureau of Petroleum Products and Tanks for the gasoline UST. A blank form with contact information is enclosed for your use, or a fillable form is available on Commerce's web site at: http://commerce.wi.gov/ER/pdf/bst/Forms_FM/ER-BST-Fm-7437-UstReg.pdf.

Information submitted with your closure request will be included on the Department of Natural Resources (DNR) GIS Registry of Closed Remediation Sites. All sites on the Registry can be viewed via the Remediation and Redevelopment (RR) Sites Map at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. Because residual contamination remains at the time of case closure, if you intend to construct or reconstruct a potable well on this property, you must get prior DNR approval.

All current and future owners and occupants of the property need to be aware that excavation of contaminated soil may pose a hazard. Special precautions may be needed to prevent inhalation, ingestion or dermal contact with the residual contamination when it is removed. If soil is excavated, the property owner at the time of excavation must have the soil sampled and analyzed to determine if residual

contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation must determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Costs for sampling and excavation activities conducted after the date of this letter are not eligible for PECFA reimbursement.

Timely filing of your final PECFA claim (if applicable) is encouraged. If your claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days from the date of this letter will not be eligible for PECFA reimbursement.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 357-4703.

Sincerely,



Linda M. Michalets
Senior Hydrogeologist
Site Review Section

Enclosure

cc: Mr. D'Arcy Gravelle, Key Engineering Group, Ltd.
Mr. Norbert Bissonette

7593382

Document Number

QUIT CLAIM DEED

REEL 4384 IMAG 930

JANE L. BRODD quit-claims to BRODD PROPERTY MANAGEMENT, LLP the following described real estate in Milwaukee County, State of Wisconsin:

REGISTER'S OFFICE } 88
Milwaukee County, WI } 1:55 PM
RECORDED AT

SEP - 1 1998
REEL 4384 IMAG 930

REGISTER OF DEEDS

TRANSFER
\$ 1,125.00
FEE

Recording Area
Name and Return Address

Norbert J. Bissone
Niebler & Muren, S.C.
P.O. Drawer 825
Brookfield, WI 53008-0825

299-8967-12
(Parcel Identification Number)

That part of the North East One-quarter (1/4) of Section Eighteen (18), in Township Seven (7) North, Range Twenty-one (21) East, in the City of Wauwatosa, bounded and described as follows: Commencing at the North West corner of the said 1/4 Section; thence North 89° 32' 16" East along the North line of the said 1/4 Section, 661.94 feet to a point; thence South 0° 07' 11" West along the West line of the West 1/2 of the East 1/2 of the West 1/2 of said 1/4 Section, 557.82 feet to the place of beginning of the land to be described; thence North 89° 32' 16" East, and parallel to the North line of the 1/4 Section, 357.23 feet to a point; thence South 0° 08' 19" West, and parallel to the East line of the West 1/2 of the 1/4 Section, 657.17 feet to a point; thence South 89° 32' 16" West, and parallel to the North line of the said 1/4 Section, 357.00 feet to a point; thence North 0° 07' 11" East, along the West line of the West 1/2 of the East 1/2 of the West 1/2 of the said 1/4 Section, 657.17 feet to the place of beginning, except the West 30 feet and the South 30 feet of the above for street purposes.

7593382 #
RECORD 10.00
RTX 1.125.00

This is not homestead property. Dated this 31st day of August, 1998.

Jane L. Brodd

*Jane L. Brodd

AUTHENTICATION

ACKNOWLEDGMENT

Signature(s) _____

STATE OF WISCONSIN
WAUKESHA COUNTY
Personally came before me this 31st day of August, 1998 the above named JANE L. BRODD to me known to be the person(s) who executed the foregoing instrument and acknowledge the same.

authenticated this ____ day of _____, 19__.

Norbert J. Bissone

signature
type or print name Norbert J. Bissone

signature _____
type or print name _____

Notary Public, State of Wisconsin
My commission is permanent. (If not, state expiration date: _____, 19__.)

TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, authorized by § 706.06, Wis. Stats.)



THIS INSTRUMENT WAS DEPOSITED BY
Norbert J. Bissone
State Bar No. 101529

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

10 20

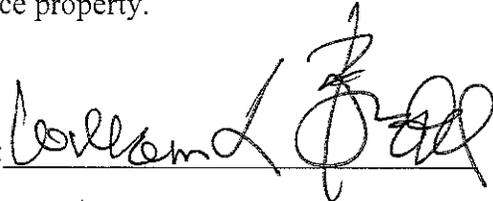
Reference: *Geographic Information System Registry*
Brodd Property Management, LLC
3000 North 114th Street
Wauwatosa, Wisconsin

To Whom it May Concern:

I, William Brodd of Brodd Property management, LLC, representative of the responsible party do hereby declare to the best of my knowledge that the attached legal property description represents completely and accurately the above reference property for which I am requesting listing on the Wisconsin Department of Natural Resources Geographic Information System Registry of Closed Remediation Sites.

Please find a copy of the legal description as stated in the property deed for the above reference property.

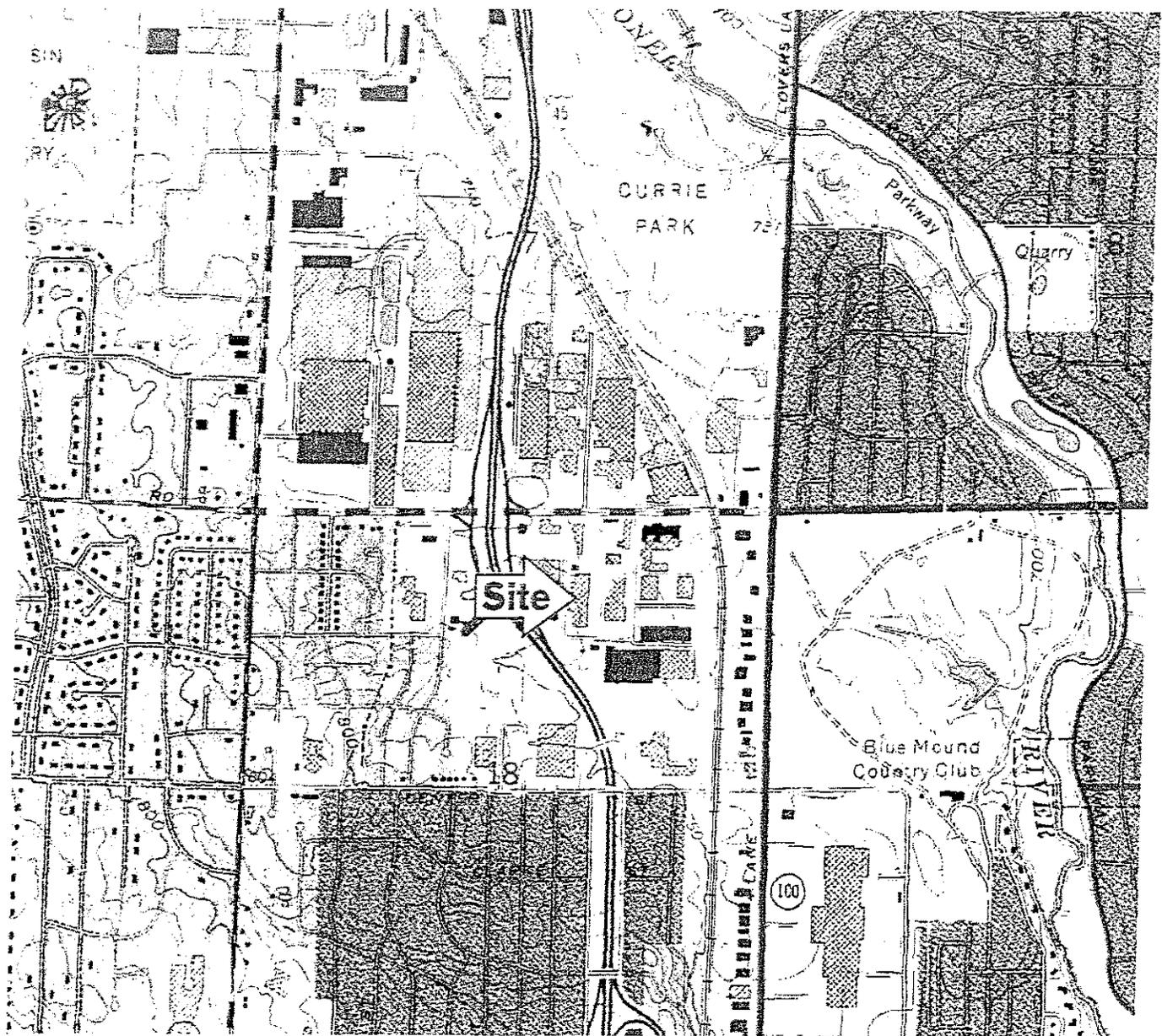
Signed:



Date:

6-30-10

Mr. William Brodd
Brodd property Management, LLC
11311 West Locust Street
Wauwatosa, Wisconsin 53222



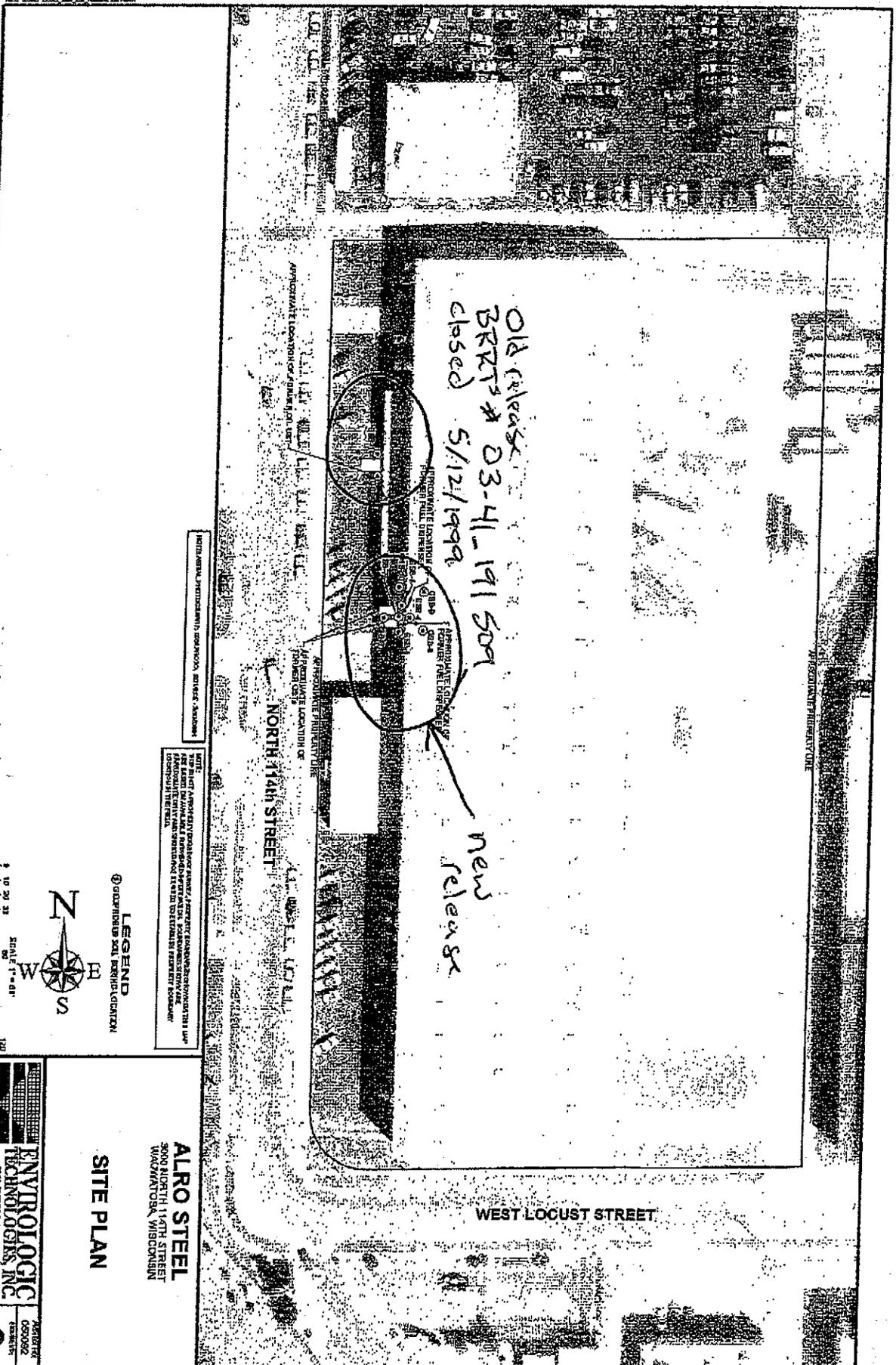
SOURCE:
 USGS
 Wauwatosa
 Quadrangle Map 1994



DESIGNED BY DMO	DATE 6/15/2010
DRAWN BY DMO	PROJECT 2005012
APPROVED BY	SHEET NO.
DIG	1
\\Key\cx01\prei9965\DMO\Projects\2005012 Alro Steel\Fig 1.doc	

FIGURE 1
 SITE LOCATION MAP
 SITE INVESTIGATION
 ALRO STEEL
 3000 N 114TH ST
 WAUWATOSA, WISCONSIN





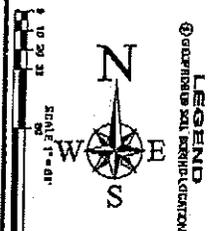
Old release
 BRT # 03-41-191509
 closed 5/12/1999

New release

NORTH MAIN STREET

WEST LOCUST STREET

LEGEND
 ① GEOPHYSICAL SURVEY LOCATION
 ② ENVIRONMENTAL MONITORING LOCATION
 ③ MONITORING POINT LOCATION
 ④ MONITORING POINT LOCATION
 ⑤ MONITORING POINT LOCATION
 ⑥ MONITORING POINT LOCATION
 ⑦ MONITORING POINT LOCATION
 ⑧ MONITORING POINT LOCATION
 ⑨ MONITORING POINT LOCATION
 ⑩ MONITORING POINT LOCATION



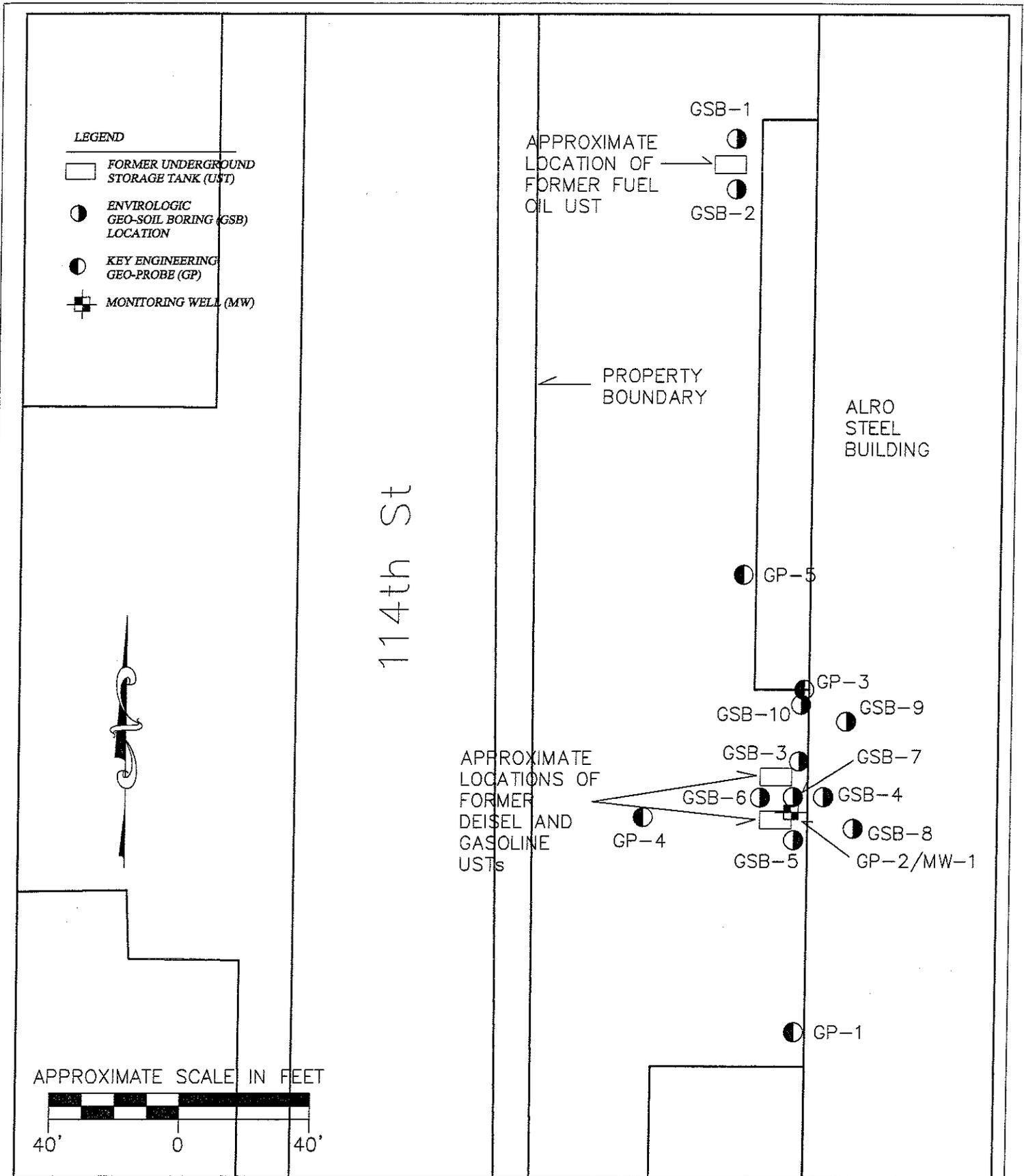
ALRO STEEL
 3000 NORTH 14TH STREET
 WISCONSIN

ENVIRONMENTAL TECHNOLOGIES, INC.
 1800 PRESBYTERIAN CHURCH
 WISCONSIN

SITE PLAN

DATE: 05/05/99
 DRAWN BY: [illegible]

2

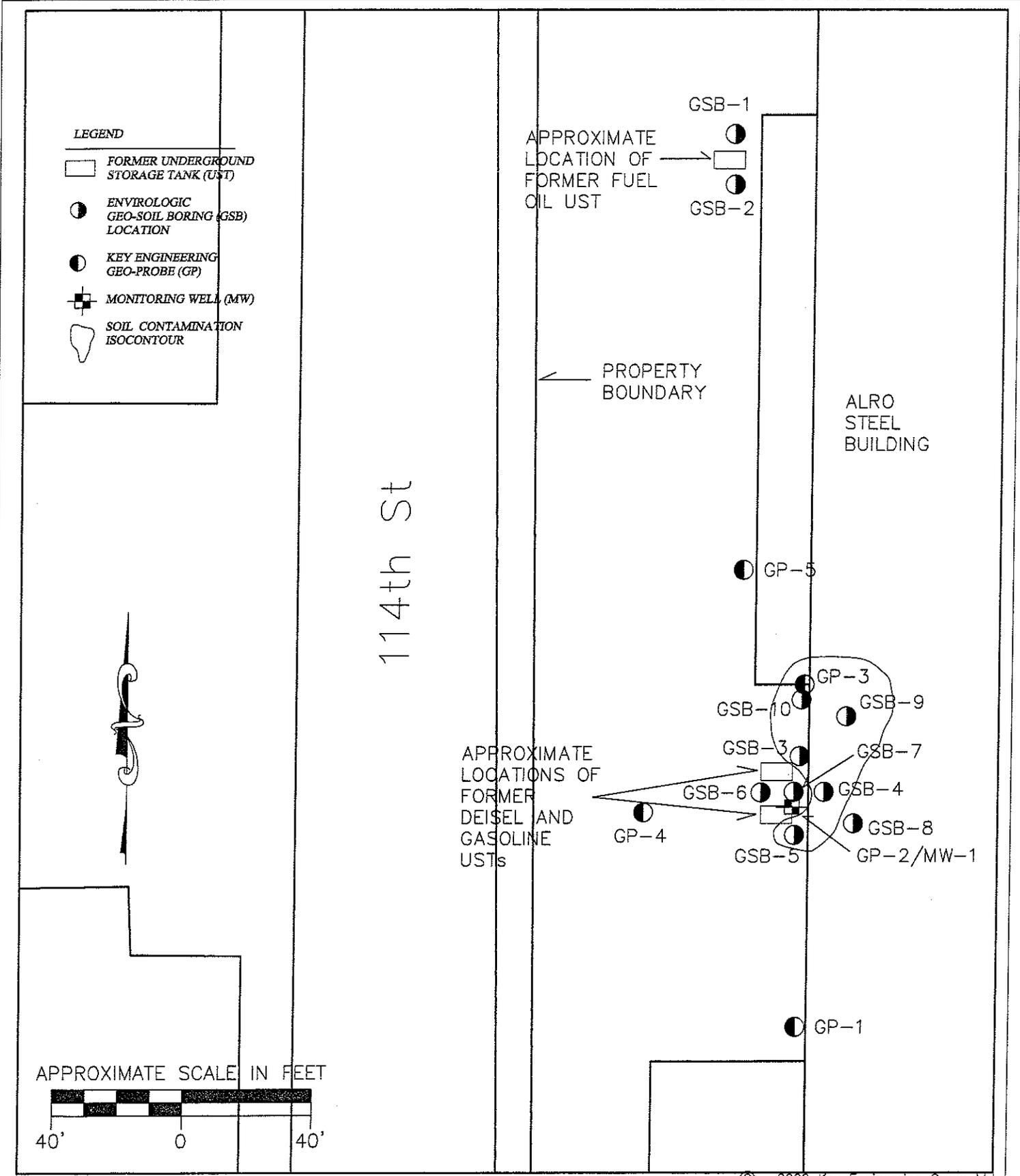


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FIGURE 2
 SITE LAYOUT MAP
 ALRO STEEL
 3000 N 114TH ST
 WAUWATOSA, WISCONSIN

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CADFILE G:\ACAD\2005012 XREF LMAN	



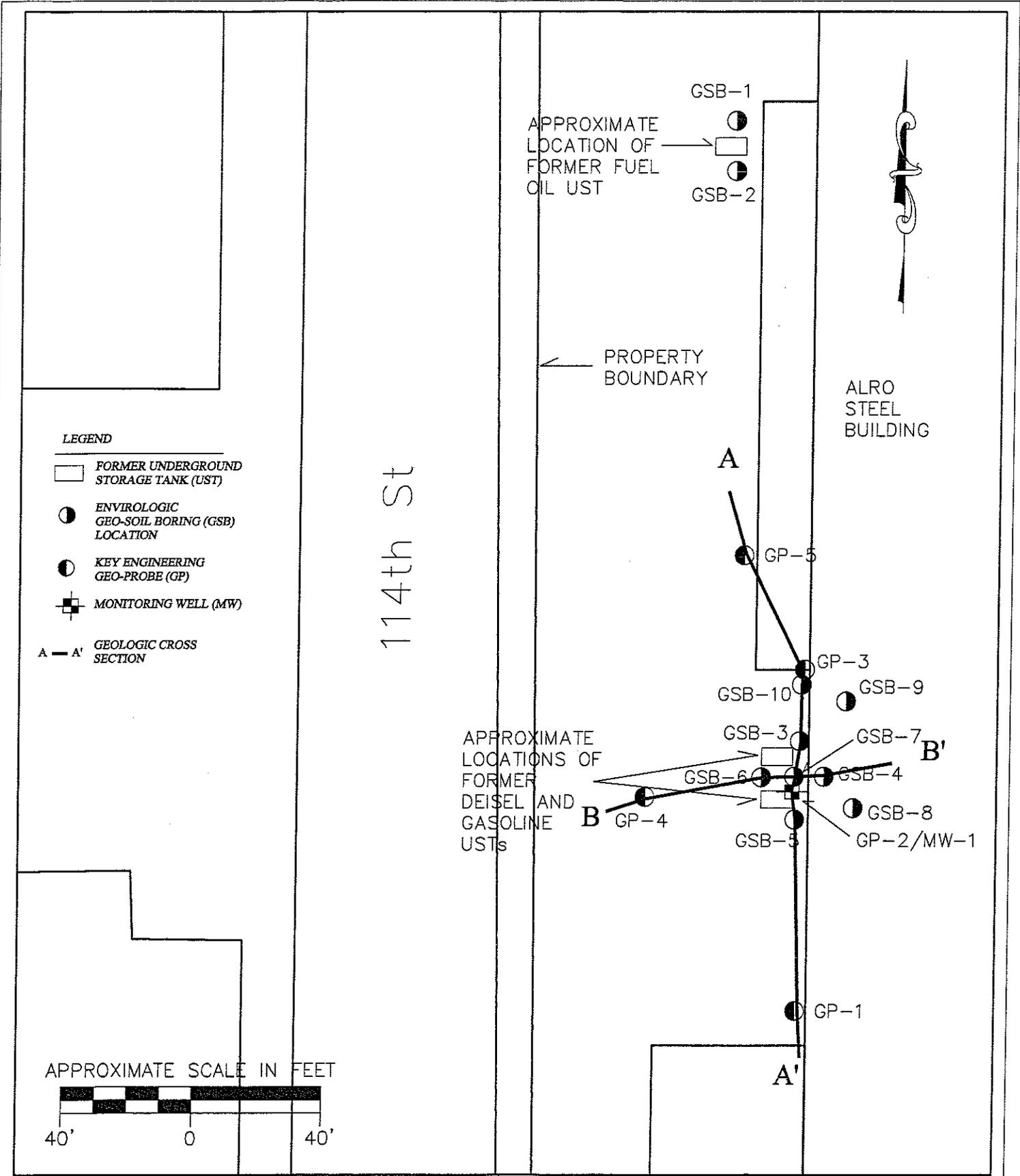


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APPROVED BY DJG	SHEET NO.
CADFILE G:\ACAD\2005012 XREF LMAN	

FIGURE 3
SOIL CONTAMINATION CONTOUR MAP
ALRO STEEL
3000 N 114TH ST
WAUWATOSA, WISCONSIN



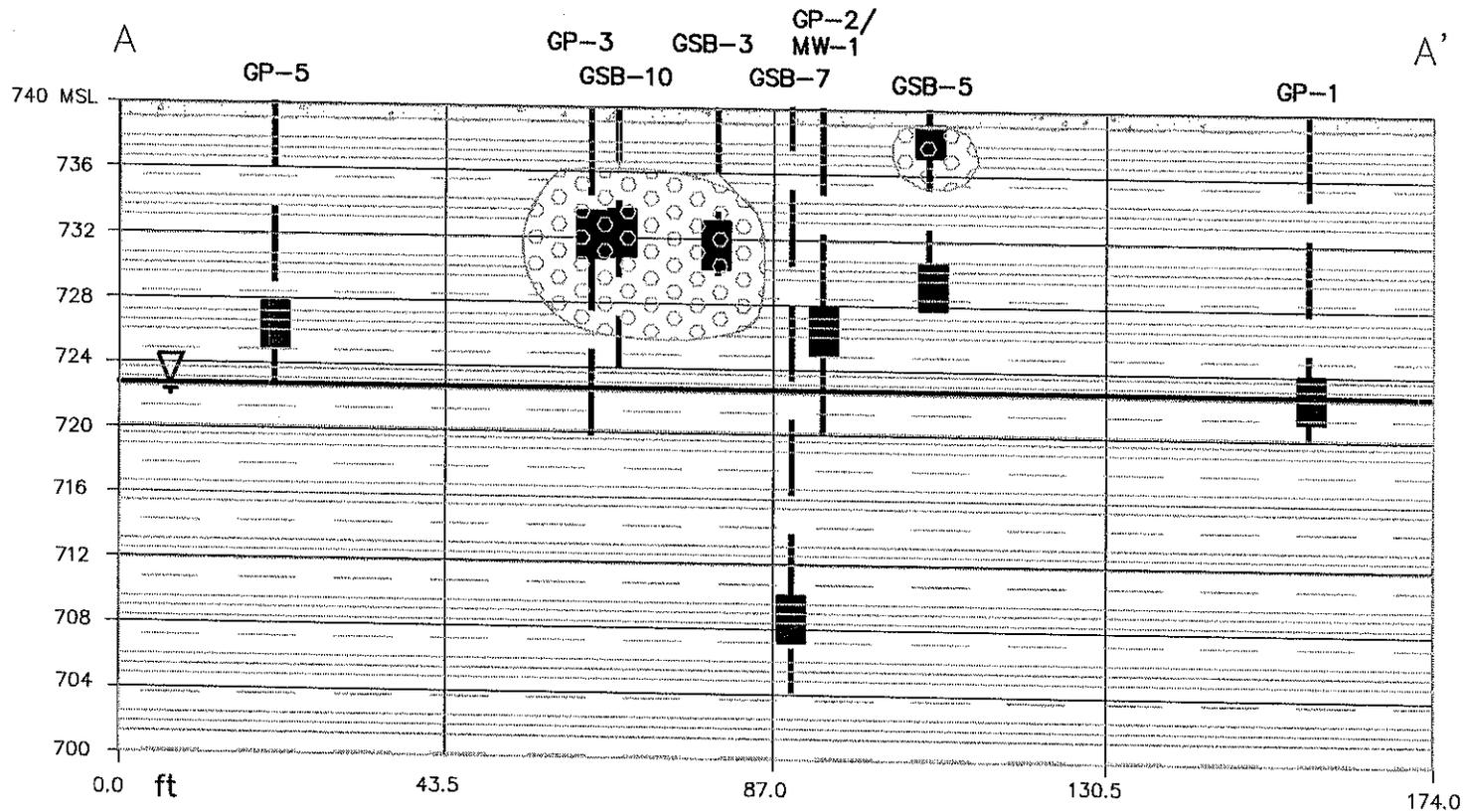


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DRAWN BY DMO	PROJECT 2005012
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CADFILE G:\ACAD\2005012 XREF LMAN	

FIGURE 4A
GEOLOGIC CROSS SECTION LAYOUT MAP
ALRO STEEL
3000 N 114TH ST
WAUWATOSA, WISCONSIN





-  ASPHALT
-  CLAY
-  SOIL CONTAMINATION ABOVE GENERIC RCLs
-  SOIL SAMPLE DEPTHS
-  GEOPROBE LOCATION
-  STATIC WATER LEVEL

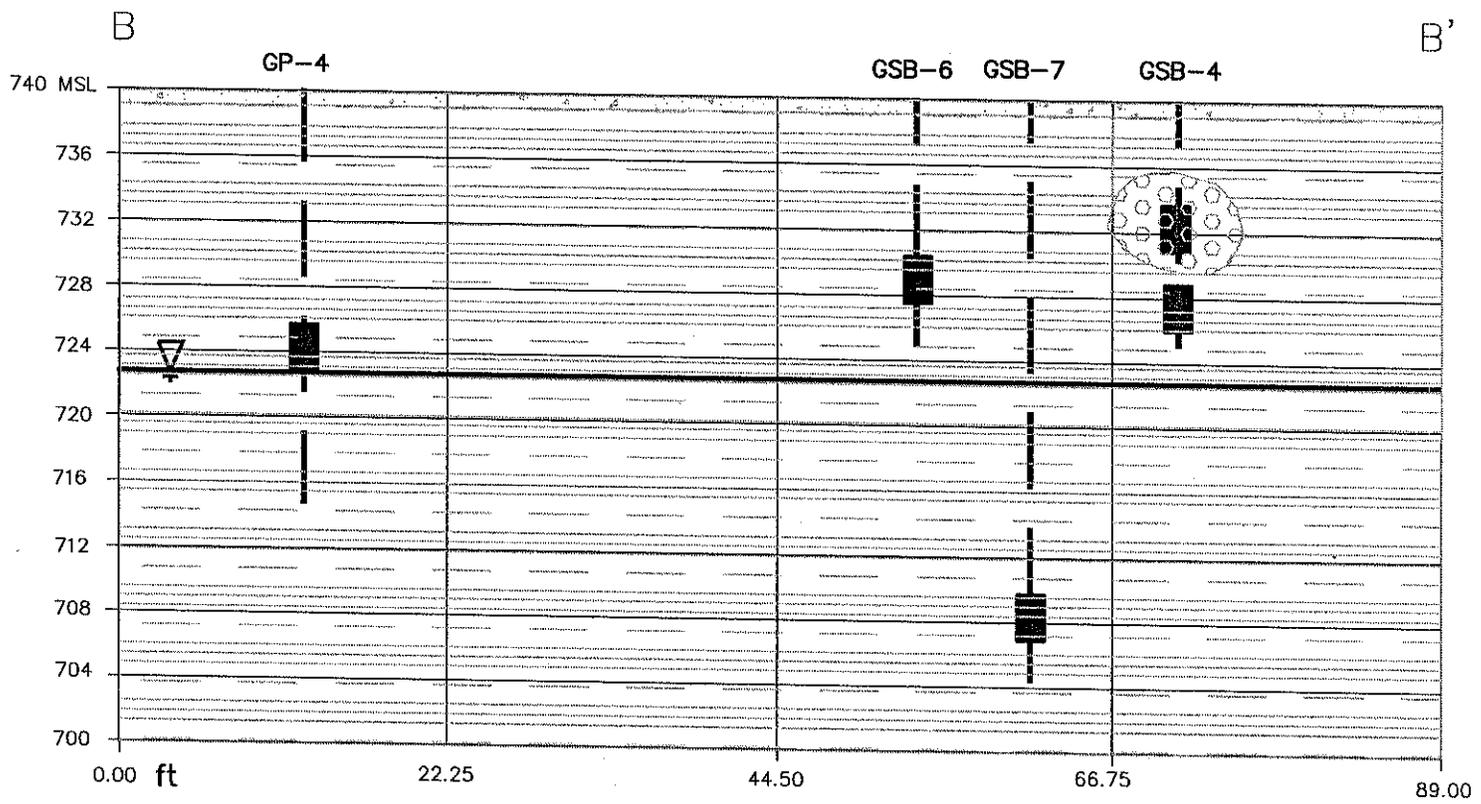
VE = 4.35

DESIGNED BY DMO	DATE 6/17/2010
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APPROVED BY DMO	SHEET NO. 1
CADFILE G:\ACAD\2005012 XREF G:\ACAD\2005012 LMAN	

FIGURE 4B
SOIL CONTAMINATION GEOLOGIC CROSS SECTION A-A'
ALRO STEEL
3000 N 114TH ST
WAUWATOSA, WISCONSIN

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 ASPHALT
  CLAY
  SOIL CONTAMINATION ABOVE GENERIC RCLs

 SOIL SAMPLE DEPTHS
  GEOPROBE LOCATION
  STATIC WATER LEVEL

VE = 9.20

DESIGNED BY DMO	DATE 6/17/2010
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APPROVED BY DMO	SHEET NO. 1
CADFILE G:\ACAD\2005012 XREF G:\ACAD\2005012 LMAN	

FIGURE 4C
 SOIL CONTAMINATION GEOLOGIC CROSS SECTION B-B'
 ALRO STEEL
 3000 N 114TH ST
 WAUWATOSA, WISCONSIN

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TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS

ALRO STEEL
 3000 North 114th Street
 Wauwatosa, Wisconsin

PARAMETERS	SAMPLE IDENTIFICATION								NR 720.09 (Table 1) PROTECTION OF GROUNDWATER	NR 746 (Petroleum UST only)		WDNR PAH INTERIM GUIDANCE (1)	
	GSB-1	GSB-2		GSB-3	GSB-4		GSB-5			TABLE 1 PETROLEUM IN PORES	TABLE 2 DIRECT CONTACT	DIRECT CONTACT (NON-INDUSTRIAL)	GROUNDWATER PATHWAY
Date Collected	11/23/09	11/23/09	11/23/09	11/23/09	11/23/09	11/23/09	11/24/09	11/24/09					
Depth (feet bgs)	12	12	15	9	8	14	2	12					
GRO (mg/kg)	<5	80	<5	280	260	<5	210	<5	100 / 250				
DRO (mg/kg)	8.4	79	33	320	420	30	75	41	100 / 250				
Detected VOCs (µg/kg)													
Benzene	<50	<50	<50	<50	<50	<50	<50	<50	5.5	8,500	1,100		
n-Butylbenzene													
sec-Butylbenzene													
1,2-Dibromoethane	<250	<250	<250	<250	<250	<250	<250	<250					
1,2-Dichloroethane	<50	<50	<50	<50	<50	<50	<50	<50	4.9	600	540		
Ethylbenzene	<50	<50	<50	<50	<50	<50	<50	<50	2,900	4,600			
Methyl tert-butyl Ether	<250	<250	<250	<250	<250	<250	<250	<250					
Naphthalene									400	2,700			
Toluene	<100	<100	<100	<100	<100	<100	<100	<100	1,500	38,000		20,000	
1,2,4-Trimethylbenzene	<100	<100	<100	<100	<100	<100	<100	<100		83,000			
1,3,5-Trimethylbenzene	<100	<100	<100	<100	<100	<100	<100	<100		11,000			
Xylenes	<150	<150	<150	<150	<150	<150	<150	<150	4,100	42,000			
Detected PAHs (µg/kg)													
Acenaphthene	<330	<330	<330	<330	<330	<330	<330	<330					
Acenaphthylene	<330	<330	<330	<330	<330	<330	<330	<330				900,000	38,000
Anthracene	<330	<330	<330	<330	<330	<330	<330	<330				18,000	700
Benzo(b)fluoranthene	<330	<330	<330	<330	<330	<330	<330	<330				5,000,000	3,000,000
Chrysene	<330	<330	<330	<330	<330	<330	<330	<330				88	360,000
Fluorene	<330	<330	<330	<330	<330	<330	<330	<330				8,800	37,000
1-methyl naphthalene												600,000	100,000
2-methyl naphthalene	<330	<330	<330	<330	1,100	<330	<330	<330				1,100,000	23,000
Naphthalene	<330	<330	<330	720	<330	<330	<330	<330				600,000	20,000
Phenanthrene	<330	<330	<330	620	720	<330	620	<330		2,700		20,000	400
Pyrene	<330	<330	<330	<330	<330	<330	3,200	<330				18,000	1,800
												500,000	8,700,000

Notes:

Bold concentrations exceed NR 720.11 direct contact non-industrial and WDNR PAH Interim Guidance for direct contact non-industrial
 Boxed concentrations exceed NR 720.09 protection of groundwater and WDNR PAH Interim Guidance for groundwater pathway
 --- not analyzed or no standard established

(1) - WDNR PUB RR-519-97

- bgs - below ground surface
- DRO - diesel range organics
- GRO - gasoline range organics
- mg/kg - milligrams per kilogram
- mg/l - milligrams per liter
- PAHs - polynuclear aromatic hydrocarbons
- GRCL - generic residual contaminant level
- µg/kg - micrograms per kilogram
- VOCs - volatile organic compounds

TABLE 1 (CONTINUED)
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS

ALRO STEEL
3000 North 114th Street
Wauwatosa, Wisconsin

PARAMETERS	SAMPLE IDENTIFICATION					NR 720.09 (Table 1) PROTECTION OF GROUNDWATER	NR 746 (Petroleum UST only)		WDNR PAH INTERIM GUIDANCE (1)	
	GSB-6	GSB-7	GSB-8	GSB-9	GSB-10		TABLE 1 PETROLEUM IN PORES	TABLE 2 DIRECT CONTACT	DIRECT CONTACT (NON-INDUSTRIAL)	GROUNDWATER PATHWAY
Date Collected	11/24/09	1/20/10	1/20/10	1/20/10	1/20/10					
Depth (feet bgs)	12	32	8	10	8					
GRO (mg/kg)	<5	<5	<5	420	620	100 / 250				
DRO (mg/kg)	35	19	<4	160	1,400	100 / 250				
Detected VOCs (µg/kg)										
Benzene	<50	---	---	---	---	5.5	8,500	1,100	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	<250	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	<50	---	---	---	---	---	---	---	---	---
Ethylbenzene	<50	---	---	---	---	4.9	600	540	---	---
Methyl tert-butyl Ether	<250	---	---	---	---	2,900	4,600	---	---	---
Naphthalene	---	---	---	---	---	---	---	---	---	---
Toluene	<100	---	---	---	---	400	2,700	---	20,000	---
1,2,4-Trimethylbenzene	<100	---	---	---	---	1,500	38,000	---	---	---
1,3,5-Trimethylbenzene	<100	---	---	---	---	---	83,000	---	---	---
Xylenes	<150	---	---	---	---	---	11,000	---	---	---
Detected PAHs (µg/kg)						4,100	42,000	---	---	---
Acenaphthene	<330	---	---	---	---	---	---	---	---	---
Acenaphthylene	<330	---	---	---	---	---	---	---	900,000	38,000
Anthracene	<330	---	---	---	---	---	---	---	18,000	700
Benzo(b)fluoranthene	<330	---	---	---	---	---	---	---	5,000,000	3,000,000
Chrysene	<330	---	---	---	---	---	---	---	88	360,000
Fluorene	<330	---	---	---	---	---	---	---	8,800	37,000
1-methyl naphthalene	---	---	---	---	---	---	---	---	600,000	100,000
2-methyl naphthalene	<330	---	---	---	---	---	---	---	1,100,000	23,000
Naphthalene	<330	---	---	---	---	---	---	---	600,000	20,000
Phenanthrene	<330	---	---	---	---	---	2,700	---	20,000	400
Pyrene	<330	---	---	---	---	---	---	---	18,000	1,800
									500,000	8,700,000

Notes:

Bold concentrations exceed NR 720.11 direct contact non-industrial and WDNR PAH Interim Guidance for direct contact non-industrial
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PAHs - polynuclear aromatic hydrocarbons

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VOCs - volatile organic compounds

TABLE 1 (CONTINUED)
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS

ALRO STEEL
3000 North 114th Street
Wauwatosa, Wisconsin

PARAMETERS	SAMPLE IDENTIFICATION					NR 720.09 (Table 1) PROTECTION OF GROUNDWATER	NR 746 (Petroleum UST only)		WDNR PAH INTERIM GUIDANCE (1)	
	GP-1	GP-2	GP-3	GP-4	GP-5		TABLE 1 PETROLEUM IN PORES	TABLE 2 DIRECT CONTACT	DIRECT CONTACT (NON-INDUSTRIAL)	GROUNDWATER PATHWAY
Date Collected	5/25/10	5/25/10	5/25/10	5/25/10	5/25/10	---	---	---	---	---
Depth (feet bgs)	15-17.5	12.5-15	7.5-10	15-17.5	12.5-15	---	---	---	---	---
GRO (mg/kg)	<2.8	<2.8	87.3	<2.9	5.2	100 / 250	---	---	---	---
DRO (mg/kg)	10.1	9.6	1,170	6.4	3.4	100 / 250	---	---	---	---
Detected VOCs (µg/kg)										
Benzene	<25.0	<25.0	<50.0	<25.0	<25.0	5.5	8,500	1,100	---	---
n-Butylbenzene	<40.4	<40.4	498	<40.4	<40.4	---	---	---	---	---
sec-Butylbenzene	<25.0	<25.0	223	<25.0	<25.0	---	---	---	---	---
1,2-Dibromoethane	<25.0	<25.0	<50.0	<25.0	<25.0	---	---	---	---	---
1,2-Dichloroethane	<25.0	<25.0	<50.0	<25.0	<25.0	4.9	600	540	---	---
Ethylbenzene	<25.0	<25.0	<50.0	<25.0	<25.0	2,900	4,600	---	---	---
Methyl tert-butyl Ether	<25.0	<25.0	<50.0	<25.0	<25.0	---	---	---	---	---
Naphthalene	<25.0	<25.0	1,770	<25.0	<25.0	400	2,700	---	20,000	---
Toluene	<25.0	<25.0	<50.0	<25.0	<25.0	1,500	38,000	---	---	---
1,2,4-Trimethylbenzene	<25.0	<25.0	<50.0	<25.0	<25.0	---	83,000	---	---	---
1,3,5-Trimethylbenzene	<25.0	<25.0	<50.0	<25.0	<25.0	---	11,000	---	---	---
Xylenes	<75.0	<75.0	<150	<75.0	<75.0	4,100	42,000	---	---	---
Detected PAHs (µg/kg)										
Acenaphthene	<2.6	<2.6	204	<2.7	<2.6	---	---	---	900,000	38,000
Acenaphthylene	<3.0	<2.9	61.9 J	<3.1	<3.0	---	---	---	18,000	700
Anthracene	<4.4	<4.3	92.3 J	<4.5	<4.4	---	---	---	5,000,000	3,000,000
Benzo(b)fluoranthene	8.7 J	9.5 J	70.8 J	<3.4	8.8 J	---	---	---	88	360,000
Chrysene	<3.4	3.7 J	<27.6	<3.5	<3.4	---	---	---	8,800	37,000
Fluorene	<4.7	<4.6	234	<4.8	<4.7	---	---	---	600,000	100,000
1-methyl naphthalene	<2.9	<2.8	1,960	<3.0	<2.9	---	---	---	1,100,000	23,000
2-methyl naphthalene	<2.9	<2.8	2,990	<3.0	<2.9	---	---	---	600,000	20,000
Naphthalene	<3.3	<3.2	781	<3.4	<3.3	---	2,700	---	20,000	400
Phenanthrene	<4.1	4.3 J	589	<4.3	<4.1	---	---	---	18,000	1,800
Pyrene	<3.4	<3.4	<27.9	<3.6	<3.4	---	---	---	500,000	8,700,000

Notes:

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