

GIS REGISTRY INFORMATION

SITE NAME: Wiegand Oil Bulk Facility
BRRTS #: 02-15-106295 **FID # (if appropriate):** _____
COMMERCE # (if appropriate): 54235-8849-87
CLOSURE DATE: 08/15/2006
STREET ADDRESS: 3887 Old Highway Road
CITY: Sturgeon Bay

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):
 X= 729576 Y= 490425

CONTAMINATED MEDIA: Groundwater Soil Both

OFF-SOURCE GW CONTAMINATION >ES: Yes No

IF YES, STREET ADDRESS 1: _____

GPS COORDINATES (meters in WTM91 projection): X= _____ Y= _____

OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL): Yes No

IF YES, STREET ADDRESS 1: _____

GPS COORDINATES (meters in WTM91 projection): X= _____ Y= _____

CONTAMINATION IN RIGHT OF WAY: Yes No

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter or denial letter issued	X
Copy of most recent deed, including legal description, for all affected properties	X
Certified survey map or relevant portion of the recorded plat map (if referenced in the legal description) for all affected properties	X
County Parcel ID number, if used for county, for all affected properties	X
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.	X
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	X
Isoconcentration map(s), if required for site investigation (SI) (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. If not available, include the latest extent of contaminant plume map.	X
GW: Table of water level elevations, with sampling dates, and free product noted if present	X
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	X
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour	X
Geologic cross-sections, if required for SI. (8.5x14" if paper copy)	X
RP certified statement that legal descriptions are complete and accurate	X
Copies of off-source notification letters (if applicable)	NA
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	NA
Copy of (soil or land use) deed restriction(s) or deed notice if any required as a condition of closure	NA
Copy of any maintenance plan referenced in the deed restriction.	NA



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ronald W. Kazmierczak, Regional Director

Northeast Region Headquarters
2984 Shawano Ave., P.O. Box 10448
Green Bay, Wisconsin 54307-0448
Telephone 920-662-5100
FAX 920-662-5413
TTY Access via relay - 711

August 15, 2006

Mr. Dale Wiegand
3887 Old Highway Road
Sturgeon Bay, WI 54235

SUBJECT: Final Case Closure
Wiegand Oil Bulk Facility, 3887 Old Highway Road, Sturgeon Bay, WI
WDNR BRRTS Activity #: 02-15-106295

Dear Mr. Wiegand:

On June 15, 2005, the Wisconsin Department of Natural Resources Northeast Region Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. 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, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time.

Please be aware that pursuant to s. 292.12 Wisconsin Statutes, compliance with the requirements of this letter is a responsibility to which you and any subsequent property owners must adhere. If these requirements are not followed or if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, welfare, or the environment, the Department may take enforcement action under s. 292.11 Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property or this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code. It is the Department's intent to conduct inspections in the future to ensure that the conditions included in this letter including compliance with referenced maintenance plans are met.

Residual soil contamination remains at the former location of GP-11, GP-12 and SW3 as indicated in the information submitted to the Department of Natural Resources. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

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

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 GIS Registry. To review the sites on the GIS Registry web page, visit <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If your property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line <http://www.dnr.state.wi.us/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

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

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Kristin DuFresne at 920-662-5443.

Sincerely,



Bruce G. Urban
Northeast Remediation & Redevelopment Team Supervisor

ec: Matt Oberhofer – Shaw Environmental & Infrastructure, Inc.



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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June 16, 2005

Dale Wiegand
3887 Old Highway Road
Sturgeon Bay, WI 54235

Subject: Conditional Closure Decision with Requirements to Achieve Final Closure for Wiegand Oil Bulk Facility, 3887 Old Highway Road, Sturgeon Bay, Wisconsin WDNR BRRTS # 02-15-106295

Dear Mr. Wiegand:

On June 15, 2005, the Northeast Region Closure Committee reviewed your request for closure of the case described above. The Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Closure Committee has determined that the petroleum contamination on the site from the above ground storage tanks and under ground storage tank appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

MONITORING WELL ABANDONMENT

The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to Kristin DuFresne on Form 3300-5B found at www.dnr.state.wi.us/org/water/dwg/gw/ or provided by the Department of Natural Resources.

PURGE WATER, WASTE AND SOIL PILE REMOVAL

Any remaining purge water, 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 purge water, waste and/or soil piles have been removed once that work is completed.

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. 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 GIS Registry. To review the site on the GIS Registry web page, visit <http://maps.dnr.state.wi.us/brrts>.

If this is a PECFA site, section 101.143, Wis. Stats., requires that PECFA claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received by the

PECFA Program within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (920) 662-5164.

Sincerely,

A handwritten signature in cursive script that reads "Lisa Evenson".

Lisa Evenson
Hydrogeologist
Remediation & Redevelopment Program

cc: Nicholas Glander, Shaw Environmental & Infrastructure,
790 Marvelle Lane, Green Bay, WI 54304

DOCUMENT NO.

497770

STATE BAR OF WISCONSIN FORM 1--1988
WARRANTY DEED

VOL 467 PAGE 349

497770

THIS SPACE RESERVED FOR RECORDING DATA

RECORDED

Time... 11:45 AM

OCT 12 1990

Marilyn Ordine
REGISTRAR OF DEEDS
DOOR COUNTY WIS.

By _____

RETURN TO JHJJ

Joe

This Deed made between Charles E. Wiegand as
husband of Ada Wiegand and in his own right

Grantor,
and Ada Wiegand

Witnesseth, That the said Grantor, for a valuable consideration
\$1.00 and other good and valuable consideration
conveys to Grantee the following described real estate in Door
County, State of Wisconsin:

Tax Parcel No: 022-02-33282631B1

Commencing at the northeast corner of the Northeast Quarter of the
Southwest Quarter, Seccion 33, Township 28, North, of Range 26, East;
Thence Westerly along the north line of said forty acre tract to the
point where said north line intersects the west line of State Highway
42 & 57; Thence proceed South 36 degrees 12 minutes west along the west
line of said State Highway 42 & 57 a distance of 187.3 feet to the
point of beginning of the tract herein to be described; Thence continuing
South 36 degrees 12 minutes West a distance of 275 feet to a point;
Thence proceed North 53 degrees 48 minutes west a distance of 248.8
feet to a point; Thence proceed North 36 degrees 12 minutes East a
distance of 155 feet to a point which is the southwest corner of the
Urban tract as described in 58 of Deeds, page 209; Door County Records;
Thence proceed Southeasterly to the point of beginning.

WIZ
W-3

FEE
\$ 77.25 (8)
EXEMPT

DO NOT PUBLISH

This is not homestead property.
MHI (is not)

Together with all and singular the hereditaments and appurtenances thereto belonging;
And GRANTOR warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except

and will warrant and defend the same.

Dated this 10th day of October, 1990.

(SEAL) *Charles E. Wiegand* (SEAL)

Charles E. Wiegand

(SEAL) _____ (SEAL)

AUTHENTICATION

Signature(s) _____

authenticated this _____ day of _____, 19____

TITLE: MEMBER STATE BAR OF WISCONSIN

(If not, regulated by § 708.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY
Attorney Herbert W. Johnson
Sturgeon Bay, WI 54235-0407

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

ACKNOWLEDGMENT

STATE OF WISCONSIN

Door County, Wis.

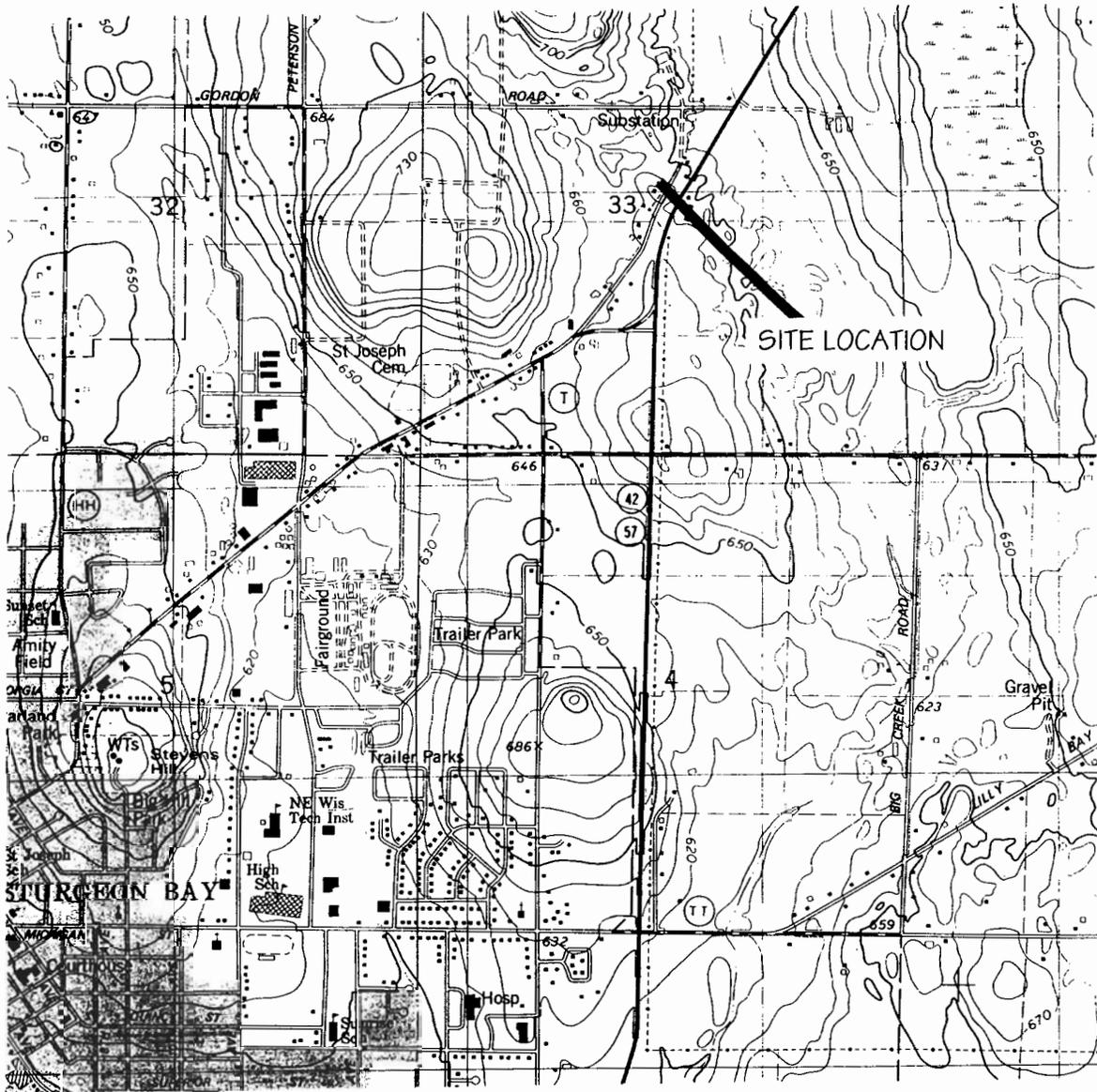
Personally came before me this 10th day of
October, 1990, the above named
Charles E. Wiegand

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

Ann M. Schmitz
Ann M. Schmitz

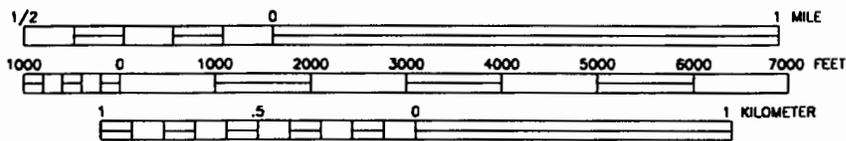
Notary Public, Door County, Wis.
My Commission is permanent (if not, state expiration
9/20, 1992)

*Signatures of persons signing in any capacity should be typed or printed below their signature.



(USGS [1978] 1981)

SCALE
1:24000



CONTOUR INTERVAL 10 FEET



LOCATION



ENVIROGEN

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

790 Marvella Lane
Green Bay, Wisconsin 54455

SITE LOCATION
MAP

WIEGAND OIL-STURGEON BAY BULK PLANT SITE
STURGEON BAY, WISCONSIN

FIGURE NO.

1

DRAWING NO.	96206L1
DRAWN BY:	KFT
CHECKED BY:	01/31/03
APPROVED BY:	
REVISIONS:	
ENGINEER	DATE
ENGINEER	DATE

RELATIVE STATION
 N 384477.56
 E 2655577.68
 LAT. 44°51'35.90"
 LONG. 87°28'16.97"

NE 1/4 - SW 1/4 SEC. 33, T28N-R26E

GRAPHIC SCALE



(IN FEET)
 1 inch = 50 ft.

FMI #

96.206

- MW-1
 N 384320.37
 E 2655575.64
 EL=654.78'
 TC=654.22'
- MW-2
 N 384284.79
 E 2655648.77
 EL=655.42'
 TC=654.96'
- MW-3
 N 384214.42
 E 2655605.45
 EL=655.42'
 TC=654.89'
- MW-4
 N 384294.27
 E 2655504.13
 EL=651.85'
 TC=654.16'
- MW-5
 N 384230.69
 E 2655511.68
 EL=652.40'
 TC=654.98'
- MW-6
 N 384279.47
 E 2655587.77
 EL=655.67'
 TC=655.26'

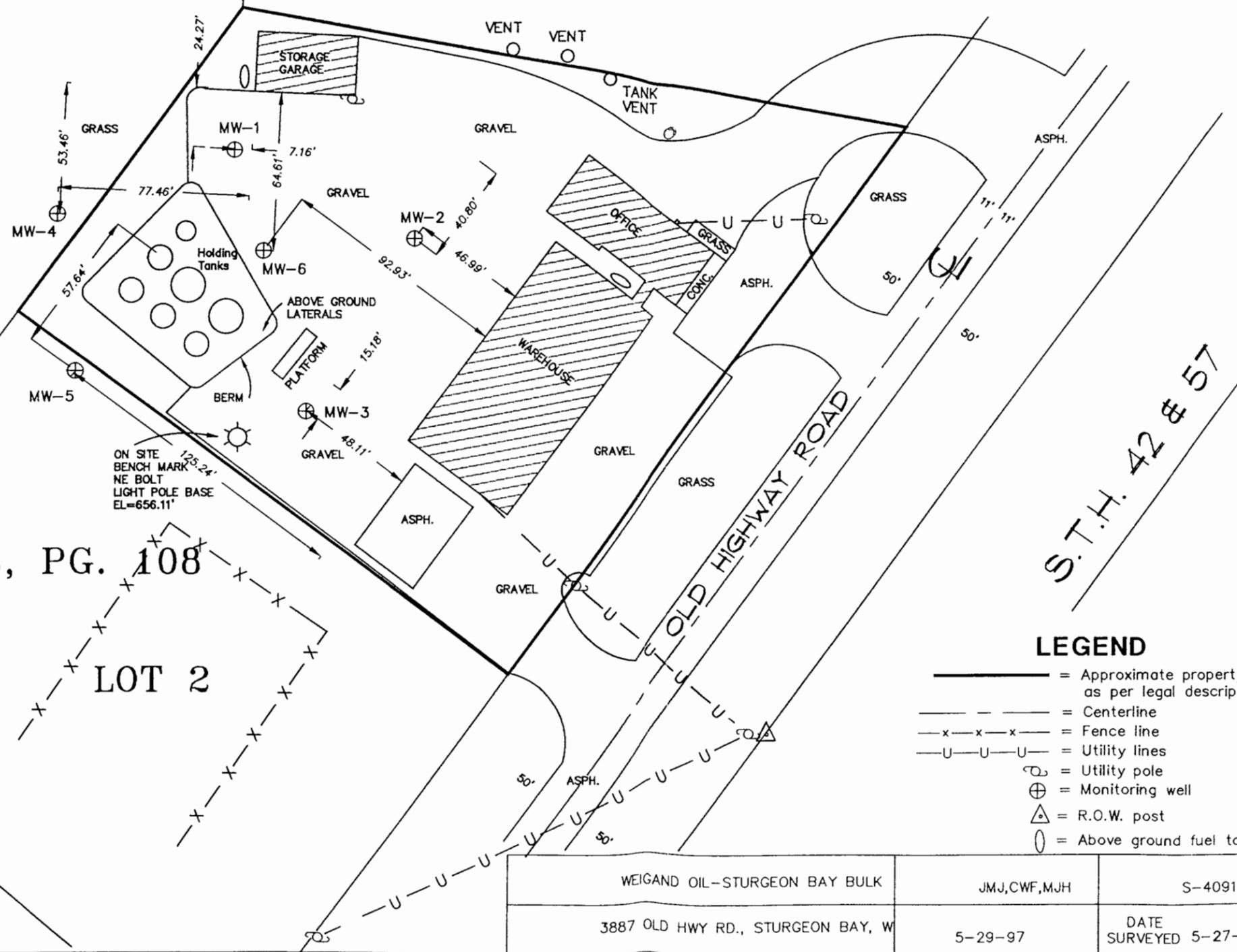
MW-4, MW-5
 WERE ABOVE GROUND WELLS

ON SITE BENCH MARK
 NE BOLT LIGHT POLE
 BASE EL=656.11'

LOT 1

C.S.M. VOL. 3, PG. 108

LOT 2



LEGEND

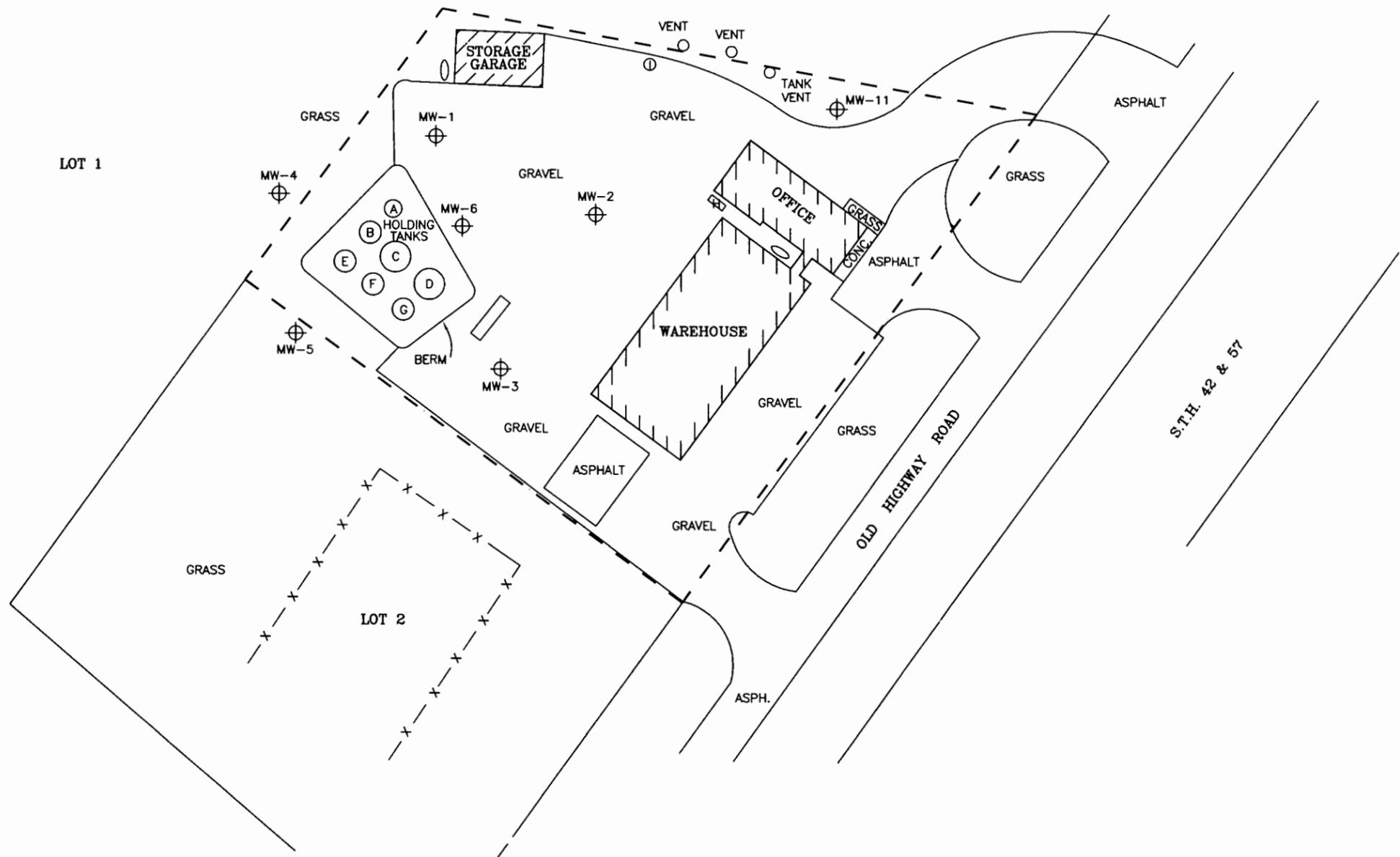
- = Approximate property lines as per legal description
- - - = Centerline
- x-x-x- = Fence line
- U-U-U- = Utility lines
- ⊙ = Utility pole
- ⊕ = Monitoring well
- △ = R.O.W. post
- = Above ground fuel tanks

WEIGAND OIL-STURGEON BAY BULK	JMJ,CWF,MJH	S-4091
3887 OLD HWY RD., STURGEON BAY, W	5-29-97	DATE SURVEYED 5-27-97

MW-10

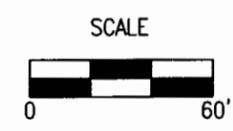
LEGEND

- — — PROPERTY BOUNDARY
- ⊕ MONITORING WELL
- AST ABOVEGROUND STORAGE TANK
- UST UNDERGROUND STORAGE TANK



TANK LEGEND

- A ACTIVE 16,000 GALLON LOW SULFUR DIESEL AST
- B ACTIVE 10,000 GALLON UNLEADED GASOLINE AST
- C ACTIVE 40,000 GALLON UNLEADED GASOLINE AST
- D ACTIVE 40,000 GALLON FUEL OIL AST
- E ACTIVE 10,000 GALLON LOW SULFUR DIESEL AST
- F ACTIVE 16,000 GALLON KEROSENE AST
- G ACTIVE 16,000 GALLON LOW SULFUR DIESEL AST
- H FORMER 300 GALLON UNLEADED GASOLINE UST
- I FORMER 2,000 GALLON DIESEL AST



		790 Marvella Lane Green Bay, WI 54304 (920) 497-8910	
		Show Environmental, Inc.	
REV. NO.:	DRAWING DATE:	ACAD FILE:	
	3/3/05	96206L102	
SITE PLAN VIEW			
SITE: WIEGAND OIL- STURGEON BAY BULK PLANT SITE			PM:
LOCATION: STURGEON BAY, WISCONSIN			PE/RG:
DESIGNED:	DETAILED:	PROJECT NO.:	FIGURE:
NMG	KFK	96206	2

TABLE 1
Groundwater Sample Laboratory Analytical Results
Wiegand Oil Sturgeon Bay Bulk Plant Site
Sturgeon Bay, Wisconsin

Well	Sample Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naphthalene	1,2,4-TMB	1,3,5-TMB	Dissolved Lead
MW-1	5/13/1997	32	20	40	136	2.0	8.0	75	8.4	<1.0
	8/7/1997	9.1	1.1	11	7.0	5.8	NA	16	<0.27	NA
	11/17/1997	0.19	<0.062	<0.068	<0.17	<0.18	<0.15	<0.063	<0.1	NA
	3/19/1998	29	6.4	42	6.4	2.0	9.2	68	10	NA
	8/16/2001	2.8	<0.41	<0.22	<0.69	<0.46	<0.69	<0.26	<0.34	NA
	5/15/2002	<i>0.86"J"</i>	<0.63	1.3"J"	3.4"J"	<0.49	<1.4	1.2"J"	<0.72	NA
	2/26/2003	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	NA
MW-2	5/13/1997	290	6.8	20	30.6	43	2.9	20	6.1	<1.0
	8/7/1997	620	8.2	9.6	10	48	NA	4.6	<2.7	NA
	11/17/1997	600	8.3	16	11	55	<1.5	2.0	<1.0	NA
	3/19/1998	460	8.3	20	15	28	<7.3	4.4	<3.6	NA
	8/16/2001	600	<4.1	7.5	<6.9	49	<6.9	<2.6	<3.4	NA
	5/15/2002	200	42	530	870	<4.9	120	920	240	NA
	2/26/2003	810	35	45	74	42	<5.0	19	<5.0	NA
10/9/2003	670	21	22	17	46	<2.9	4.4	<2.6	NA	
MW-3	5/13/1997	<0.10	0.1	<0.07	0.09	1.82	<0.1	<0.063	<0.097	<1.0
	8/7/1997	0.43	<0.48	<0.21	<0.56	1.1	NA	<0.32	<0.27	NA
	11/17/1997	0.28	<0.062	<0.07	<0.17	0.82	<0.15	<0.063	<0.1	NA
	3/19/1998	<0.25	<0.38	<0.32	<1.0	0.35	<0.73	<0.34	<0.36	NA
	8/16/2001	<0.21	<0.41	<0.22	<0.69	0.92"J"	<0.69	<0.26	<0.34	NA
	5/15/2002	<0.43	<0.63	<8.49	<15	<0.49	<1.4	<0.42	<0.72	NA
	2/26/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	5/13/1997	<0.10	<0.062	<0.066	<0.017	<0.18	<0.1	<0.063	0.36	<1.0
	8/7/1997	<0.21	<0.48	<0.21	<0.56	0.39	NA	<0.32	<0.27	NA
	11/17/1997	<0.10	<0.062	<0.068	<0.17	<0.18	0.2	<0.063	<0.1	NA
	3/19/1998	<0.25	<0.38	<0.32	<1.0	<0.21	<0.73	<0.34	<0.36	NA
	8/16/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/15/2002	<0.43	<0.63	<0.49	<1.5	<0.49	<1.4	<0.42	<0.72	NA
	2/26/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA
NR 140 ES		5	1000	700	10,000	60	40	480		15
NR 140 PAL		0.5	200	140	1,000	12	8	96		1.5

Notes: All results are reported in ppb unless otherwise noted

BOLD indicates value equals or exceeds the NR 140 enforcement standard

ITALIC indicates value equals or exceeds the NR 140 preventive action limit

(J): Analyte detected between limit of detection and limit of quantification

(*): NR 140 Enforcement Standard and NR 140 Preventive Action Limit based on total TMB concentrations.

DCA: Dichloroethane

MTBE: Methyl t-butyl ether

PAL: Preventive action limit

ES: Enforcement standard

NA: Not analyzed

TMB: Trimethylbenzene

(Continued)

TABLE 1 (Continued)
Groundwater Sample Laboratory Analytical Results
Wiegand Oil Sturgeon Bay Bulk Plant Site
Sturgeon Bay, Wisconsin

Well	Sample Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naphthalene	1,2,4-TMB	1,3,5-TMB	Dissolved Lead
MW-5	5/13/1997	<0.10	0.28	0.09	0.16	0.19	0.1	0.18	<0.097	<1.0
	8/7/1997	<0.21	<0.48	<0.21	<0.56	0.81	NA	<0.32	<0.27	NA
	11/17/1997	<0.1	<0.062	<0.068	<0.17	<0.18	<0.15	<0.063	<0.1	NA
	3/19/1998	<0.25	<0.38	<0.32	<1.0	<0.21	<0.73	<0.34	<0.36	NA
	8/16/2001	<0.21	<0.41	<0.22	<0.69	1.9	<0.69	<0.26	<0.34	NA
	5/15/2002	<0.43	<0.63	<0.49	<1.5	1.2"J"	<1.4	<0.42	<1.5	NA
	2/26/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	5/13/1997	72	2.4	27	14.4	27	3	14	3.4	<1.0
	8/7/1997	360	13	110	42	48	NA	30	3.3	NA
	11/17/1997	240	9.3	71	30	35	2.1	24	3.3	NA
	3/19/1998	4.3	<0.38	0.33	<1.0	16	<0.73	<0.34	<0.36	NA
	8/16/2001	1.3	<0.41	<0.22	<0.69	12	<0.69	<0.26	<0.34	NA
	5/15/2002	1.7	<0.63	<0.49	1.9"J"	<0.49	<1.4	<0.42	<0.72	NA
	2/26/2003	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
10/9/2003	<0.30	<0.58	<0.60	<1.84	19	<0.58	<0.66	<0.52	NA	
MW-10	8/7/1997	<0.10	<0.06	<0.07	<0.17	<0.18	<0.15	<0.06	<0.1	<1.0
	11/17/1997	0.15	<0.062	<0.068	<0.17	<0.18	1.7	0.16	<0.1	NA
	3/19/1998	<0.25	<0.38	<0.32	<1.0	NA	<0.73	<0.34	<0.36	NA
	8/16/2001	<0.21	<0.41	<0.22	<0.69	<0.46	<0.69	<0.26	<0.34	NA
	5/15/2002	<0.43	<0.63	<0.49	<1.5	<0.49	<1.4	<0.42	<0.72	NA
	2/26/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-11	8/7/1997	2	1.4	1.1	63.6	<0.179	0.58	29	35	NA
	11/17/1997	0.5	0.36	1	39	0.5	0.18	110	93	NA
	3/19/1998	20	16	61	780	<2.1	22	700	290	NA
	8/16/2001	0.5"J"	0.51"J"	1.6	5.78	<0.46	1.8	24	15	NA
	5/15/2002	<0.43	<0.63	<0.49	<1.5	<0.49	<1.4	<0.42	<0.72	NA
	2/26/2003	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	NA
NR 140 ES		5	1000	700	10,000	60	40	480		15
NR 140 PAL		0.5	200	140	1,000	12	8	96		1.5

Notes: All results are reported in ppb unless otherwise noted
BOLD indicates value equals or exceeds the NR 140 enforcement standard
ITALIC indicates value equals or exceeds the NR 140 preventive action limit
(J): Analyte detected between limit of detection and limit of quantification
(*): NR 140 Enforcement Standard and NR 140 Preventive Action Limit based on total TMB concentrations.
DCA: Dichloroethane MTBE: Methyl t-butyl ether PAL: Preventive action limit
ES: Enforcement standard NA: Not analyzed TMB: Trimethylbenzene

TABLE 2
Soil Sample Laboratory Analytical Results
Wiegand Oil Sturgeon Bay Bulk Plant Site
Sturgeon Bay, Wisconsin

Sample Location	Date	Sample Depth (feet bls)	GRO (ppm)	DRO (ppm)	Benzene	Ethyl-benzene	Toluene	1,2,4-TMB	1,3,5-TMB	Total Xylenes	Naphthalene	Benz(a)pyrene	Flourene	Lead (ppm)
GP-1	4/29/1997	0.5'-2.5'	<10	<10	<25	<25	<25	<25	<25	<50	<25	NA	NA	10
GP-2	4/29/1997	0.5'-2.5'	<10	210	<25	<25	<25	<25	<25	<50	<25	NA	NA	9
GP-3	4/29/1997	0.5'-2.5'	<10	<10	<25	<25	<25	<25	<25	<50	<25	NA	NA	4
GP-4	4/29/1997	0.5'-2.5'	<10	62	<25	<25	<25	<25	<25	<50	<25	NA	NA	9
GP-6	4/29/1997	0.5'-2.5'	<10	<10	<25	<25	<25	<25	<25	<50	<17*	31	<27	10
GP-7	4/29/1997	0.5'-2.5'	<10	<10	<25	<25	<25	<25	<25	<50	<25	NA	NA	17
GP-8	4/29/1997	2.5'-4.5'	<10	<10	<25	<25	<25	<25	<25	<50	<25	NA	NA	9
GP-9	4/29/1997	0.5'-2.5'	<10	<10	<25	<25	<25	<25	<25	<50	<25	NA	NA	10
GP-10	4/29/1997	0.5'-2.5'	<10	65	<25	<25	70	<25	<25	40	35*	78	<27	34
GP-11	4/29/1997	2.0'-4.0'	<10	<10	<25	<25	<25	<25	<25	<50	<25	NA	NA	117
GP-12	4/29/1997	0'-2.0'	610	7,700	<500	<500	<500	16,000	11,000	17,000	210*	370	3,400	9
GP-12	4/29/1997	2.0'-4.0'	1,100	13,000	<500	800	<500	50,000	22,000	58,000	40,000	NA	NA	9
GP-13	4/29/1997	0.5'-2.0'	<10	<10	<25	<25	<25	<25	<25	<50	<25	NA	NA	5
GP-14	4/29/1997	0'-2.0'	<10	<10	<25	<25	<25	<25	<25	<50	<17*	105	<27	4
HA-1	6/10/1996	0.5'-1.0'	190	1,400	<100	110	<100	2,900	950	640	NA	NA	NA	NA
HA-2	4/30/1997	1.0'-1.5'	1,000	3,500	<250	500	<250	10,000	5,000	3,800	11,000	NA	NA	14
HA-3	4/30/1997	1.0'-1.5'	19	320	<25	<25	<25	<25	<25	<50	<25	NA	NA	46
HA-4	4/30/1997	1.0'-1.5'	<10	510	<25	<25	<25	<25	<25	<50	<25	NA	NA	14
NR 720 Generic Soil Standard			100	100	5.5	2,900	1,500	NS	NS	4,100	NS	NS	NS	50

Notes: All results are reported in ppb, unless otherwise noted
BOLD indicates value equals or exceeds the NR 720 generic soil standard
Only regulated VOC's with concentrations exceeding reporting limits are listed. For a complete list of compounds analyzed, see Appendix E.
Non-regulated compounds with concentrations above reporting limits include n-butylbenzene, sec-butylbenzene, p-isopropyltoluene, n-propylbenzene, isopropylbenzene, 1, 2, 3-trichlorobenzene and polynuclear aromatic hydrocarbons

bls:	Below land surface	NA:	Not analyzed
DRO:	Diesel range organics	NS:	No standard
GRO:	Gasoline range organics	VOCs:	Volatile organic compounds
TMB:	Trimethylbenzene		

TABLE 3

Excavation Soil Sample Laboratory Analytical Results
 Wiegand Oil Sturgeon Bay Bulk Plant Site
 Sturgeon Bay, Wisconsin

Sample	Date	Sample Depth (feet bls)	DRO (ppm)	GRO (ppm)	Benzene	Ethyl-benzene	MTBE	Toluene	1,2,4-TMB	1,3,5-TMB	Total Xylenes
SW-1	12/13/02	3.0	16	<10	<25	<25	<25	32	360	150	84
SW-2	12/13/02	3.0	<10	<10	<25	<25	<25	<25	35	<25	<75
SW-3	12/13/02	2.5	15,000	6,700	<1,300	<1,300	<1,300	2,800	280,000	130,000	60,000
SW-4	12/13/02	3.0	12	<10	<25	<25	<25	<25	<25	<25	<75
NR 720 Generic Soil Standard			100	100	5.5	2,900	NS	1,500	NS	NS	4,100

Notes: All results are reported in ppb, unless otherwise noted
BOLD indicates value equals or exceeds the NR720 generic soil standard

- bls: Below land surface
- PID: Photoionization detector
- DRO: Diesel Range Organics
- GRO: Gasoline Range Organics
- MTBE: Methyl t-butyl ether
- TMB: Trimethylbenzene
- NA: Not analyzed
- NS: No standard

Checked by: _____
 Approved by: _____

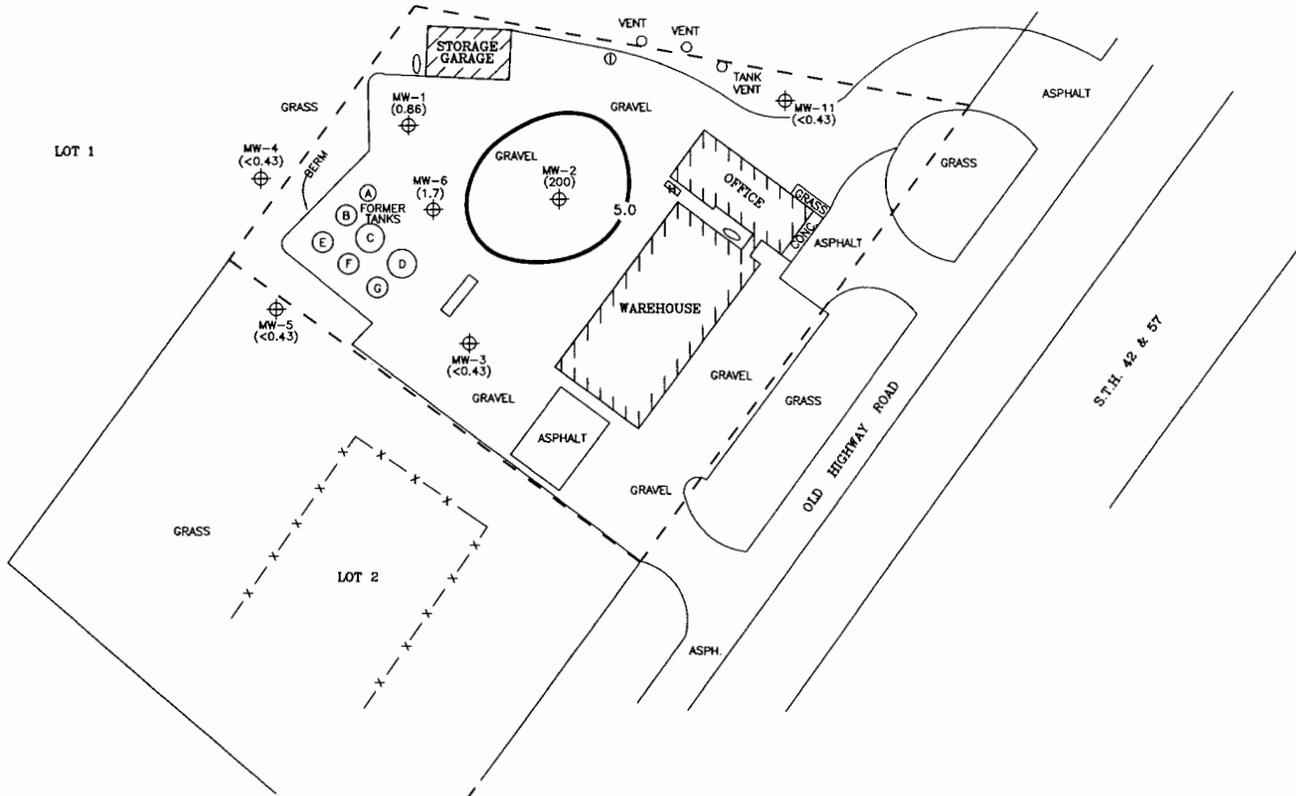
See table 1
12/14

MW-10
(<0.43)

- LEGEND**
- PROPERTY BOUNDARY
 - ⊕ MONITORING WELL
 - AST ABOVEGROUND STORAGE TANK
 - () GROUNDWATER BENZENE CONCENTRATION IN ppb
 - 5.0 ISOCONCENTRATION CONTOUR



NOTE:
THE NR140 ENFORCEMENT STANDARD
FOR BENZENE IS 5.0 ppb



- TANK LEGEND**
- A FORMER 15,000 GALLON LOW SULFUR DIESEL AST
 - B FORMER 10,000 GALLON UNLEADED GASOLINE AST
 - C FORMER 40,000 GALLON UNLEADED GASOLINE AST
 - D FORMER 40,000 GALLON FUEL OIL AST
 - E FORMER 10,000 GALLON LOW SULFUR DIESEL AST
 - F FORMER 16,000 GALLON KEROSENE AST
 - G FORMER 16,000 GALLON LOW SULFUR DIESEL AST
 - H FORMER 300 GALLON UNLEADED GASOLINE UST
 - I FORMER 2,000 GALLON DIESEL AST

		790 Marvella Lane Green Bay, WI 54304 (920) 497-8910	
		Shaw Environmental, Inc.	
REV. NO.:	DRAWING DATE: 3/3/05	ACAD FILE: 96206L107	
GROUNDWATER BENZENE DISTRIBUTION (05/15/02)			
SITE: WIEGAND OIL- STURGEON BAY BULK PLANT SITE		PM:	
LOCATION: STURGEON BAY, WISCONSIN		PE/RG:	
DESIGNED: NMG	DETAILED: KFK	PROJECT NO.: 96206	FIGURE: 7



TABLE 2
Groundwater Elevation Data
Wiegand Oil Sturgeon Bay Bulk Plant Site
Sturgeon Bay, Wisconsin

Well	Top-of-Casing Elevation	Top-of-Screen Elevation	Date	Top-of-Casing to Water (feet)	Groundwater Elevation
MW-1	654.22	649.78	5/13/1997	9.03	645.19
			5/16/1997	9.39	644.83
			7/29/1997	9.41	644.81
			8/7/1997	13.47	640.75
			8/14/1997	14.42	639.80
			11/17/1997	9.21	645.01
			3/19/1998	9.01	645.21
			8/16/2001	13.87	640.35
			5/15/2002	8.76	645.46
			2/26/2003	19.01	635.21
MW-2	654.96	649.96	5/13/1997	11.17	643.79
			5/16/1997	12.05	642.91
			7/29/1997	13.97	640.99
			8/7/1997	14.51	640.45
			8/14/1997	14.72	640.24
			11/17/1997	14.64	640.32
			3/19/1998	11.96	643.00
			8/16/2001	14.79	640.17
			5/15/2002	8.75	646.21
			2/26/2003	17.53	637.43
MW-3	654.89	649.42	5/13/1997	12.50	642.39
			5/16/1997	13.32	641.57
			7/29/1997	15.03	639.86
			8/7/1997	15.35	639.54
			8/14/1997	15.48	639.41
			11/17/1997	15.71	639.18
			3/19/1998	13.24	641.65
			8/16/2001	15.63	639.26
			5/15/2002	7.75	647.14
			2/26/2003	NA	NA
MW-4	654.16	645.85	5/13/1997	12.10	642.06
			5/16/1997	12.97	641.19
			7/29/1997	20.67	633.49
			8/7/1997	21.62	632.54
			8/14/1997	23.05	631.11
			11/17/1997	21.77	632.39
			3/19/1998	11.74	642.42
			8/16/2001	22.47	631.69
			5/15/2002	9.39	644.77
			2/26/2003	NA	NA

Notes: Elevations are in feet above mean seal level

(Continued)

NA: Not available
 NI: Not Installed

TABLE 2 (Continued)
Groundwater Elevation Data
Wiegand Oil Sturgeon Bay Bulk Plant Site
Sturgeon Bay, Wisconsin

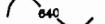
Well	Top-of-Casing Elevation	Top-of-Screen Elevation	Date	Top-of-Casing to Water (feet)	Groundwater Elevation
MW-5	654.98	646.40	5/13/1997	12.54	642.44
			5/16/1997	13.42	641.56
			7/29/1997	15.37	639.61
			8/7/1997	15.68	639.30
			8/14/1997	15.85	639.13
			11/17/1997	15.84	639.14
			3/19/1998	13.11	641.87
			8/16/2001	15.83	639.15
			5/15/2002	9.80	645.18
			2/26/2003	NA	NA
MW-6	655.26	650.67	5/13/1997	11.91	643.35
			5/16/1997	12.82	642.44
			7/29/1997	14.83	640.43
			8/7/1997	15.23	640.03
			8/14/1997	15.44	639.82
			11/17/1997	15.74	639.52
			3/19/1998	12.81	642.45
			8/16/2001	14.15	641.11
			5/15/2002	7.85	647.41
			2/26/2003	DRY	DRY
MW-10	NA	NA	5/13/1997	NI	NI
			5/16/1997	NI	NI
			7/29/1997	NI	NI
			8/7/1997	12.33	NA
			8/14/1997	12.56	NA
			11/17/1997	11.45	NA
			3/19/1998	9.67	NA
			8/16/2001	13.82	NA
			5/15/2002	8.45	NA
			2/26/2003	NA	NA
MW-11	NA	NA	5/13/1997	NI	NI
			5/16/1997	NI	NI
			7/29/1997	NI	NI
			8/7/1997	17.02	NA
			8/14/1997	17.48	NA
			11/17/1997	16.19	NA
			3/19/1998	12.76	NA
			8/16/2001	16.00	NA
			5/15/2002	7.75	NA
			2/26/2003	19.39	NA

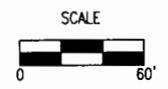
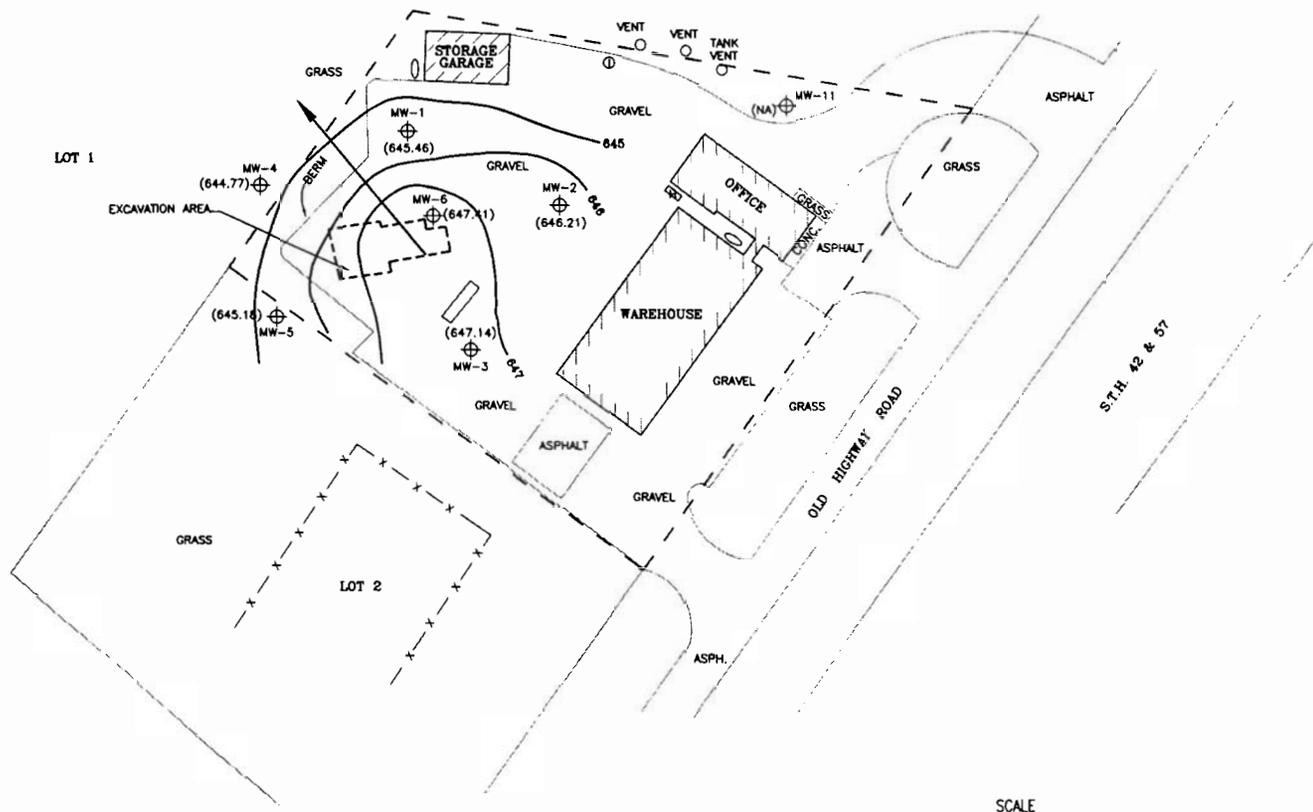
Notes: Elevations are in feet above mean seal level

NA: Not available
 NI: Not Installed

(NA)
MW-10

LEGEND

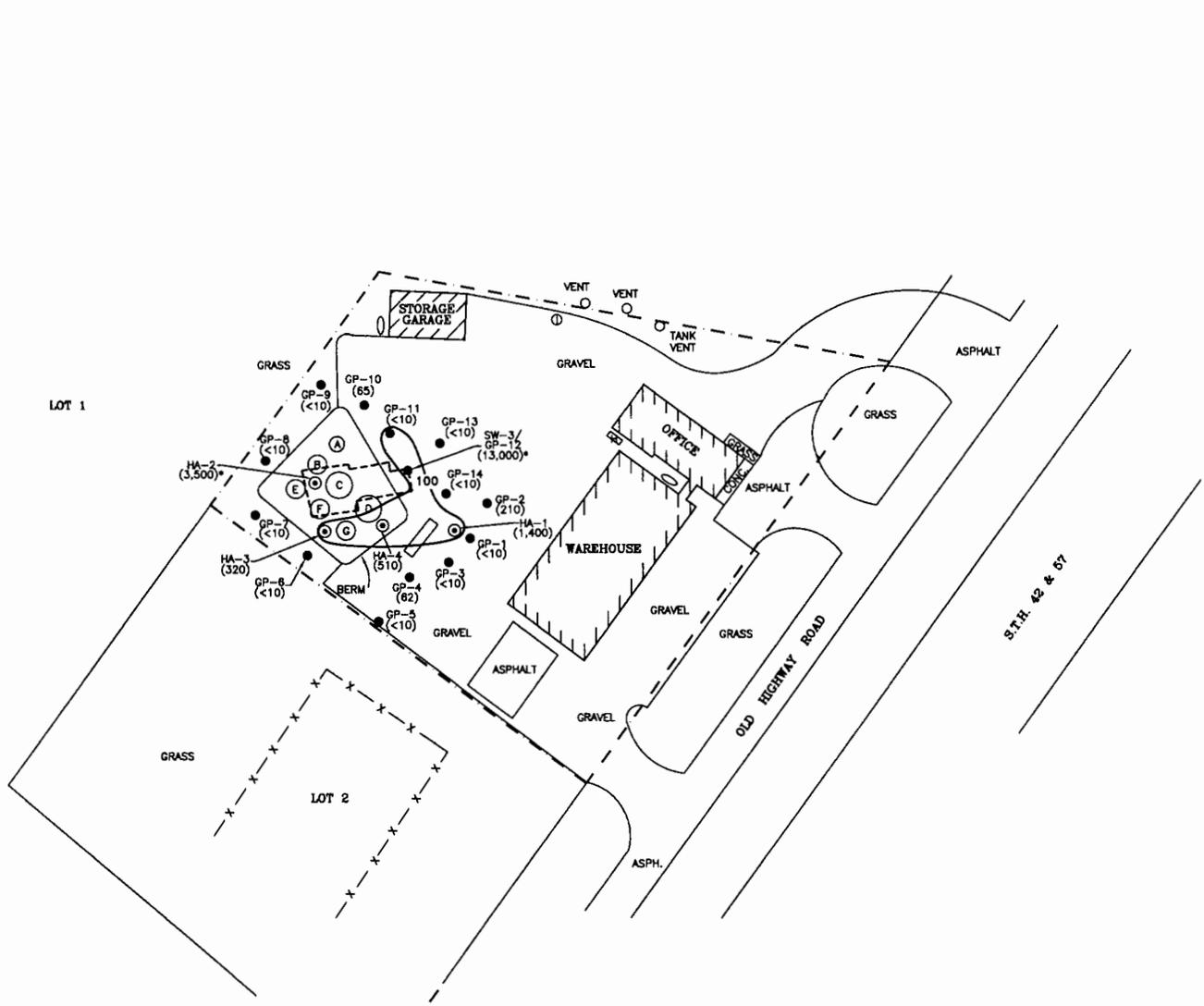
-  MONITORING WELL
-  PROPERTY BOUNDARY
-  EXCAVATION LIMITS
-  GROUNDWATER ELEVATION CONTOUR



ENVIROGEN
 COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT
 790 Marvella Lane
 Green Bay, Wisconsin 54304

POTENTIOMETRIC SURFACE MAP (8/16/01)	FIGURE NO
WIEGAND OIL-STURGEON BAY BULK PLANT SITE STURGEON BAY, WISCONSIN	5

DATE	ENGINEER
DATE	ENGINEER
REVISIONS:	
APPROVED BY:	
CHECKED BY:	
02/06/03	BFB
DRAWN BY:	
96206.005	
DRAWING NO	



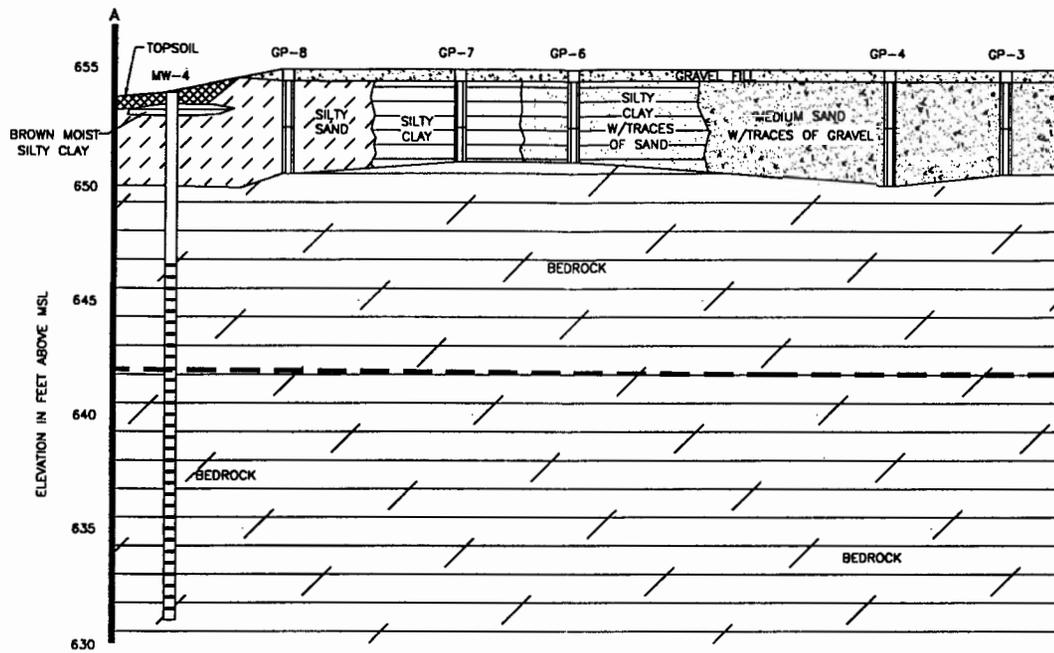
- LEGEND**
- — — — — PROPERTY BOUNDARY
 - - - - - EXCAVATION LIMITS
 - ⊙ HAND AUGER SAMPLING LOCATION
 - GEOPROBE LOCATION
 - AST ABOVEGROUND STORAGE TANK
 - UST UNDERGROUND STORAGE TANK
 - * SOIL FROM BORING WAS REMOVED DURING EXCAVATION
 - () SOIL DRO CONCENTRATION IN ppm
 - 100 ISOCONCENTRATION CONTOUR

NOTES: HA-1 HAND AUGER (6/10/96).
 HA-2 THROUGH HA-4 HAND AUGER (4/30/97).
 GP-1 THROUGH GP-14 GEOPROBE BORINGS (4/28/97).
 MW-1 THROUGH MW-4 MONITORING WELLS (5/5/97).
 MW-5 AND MW-6 MONITORING WELLS (5/6/97).
 MW-10 AND MW-11 MONITORING WELLS (7/29/97).

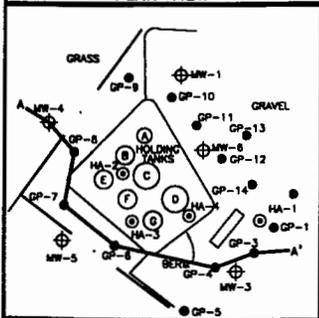
- TANK LEGEND**
- A ACTIVE 16,000 GALLON LOW SULFUR DIESEL AST
 - B ACTIVE 10,000 GALLON UNLEADED GASOLINE AST
 - C ACTIVE 40,000 GALLON UNLEADED GASOLINE AST
 - D ACTIVE 40,000 GALLON FUEL OIL AST
 - E ACTIVE 10,000 GALLON LOW SULFUR DIESEL AST
 - F ACTIVE 16,000 GALLON KEROSENE AST
 - G ACTIVE 16,000 GALLON LOW SULFUR DIESEL AST
 - H FORMER 300 GALLON UNLEADED GASOLINE UST
 - I FORMER 2,000 GALLON DIESEL AST



		790 Marvella Lane Green Bay, WI 54304 (920) 497-8910	
		REV. NO.:	DRAWING DATE:
		07/27/06	96206L301
SOIL DRO DISTRIBUTION			
SITE:	WIEGAND OIL - STURGEON BAY BULK PLANT SITE		PM:
LOCATION:	STURGEON BAY, WISCONSIN		PE/RG:
DESIGNED:	DETAILED:	PROJECT NO.:	FIGURE:
NMG	KFK	96206	1



PLAN VIEW



LEGEND

- SAMPLE INTERVAL
- WELL SCREEN
- GROUNDWATER TABLE (5/13/97)

SCALE
 HORIZONTAL: 1" = 20'
 VERTICAL: 1" = 5'



GEOLOGICAL CROSS-SECTION
 A-A'
 WIEGANO OIL-STURGEON BAY BULK PLANT SITE
 STURGEON BAY, WISCONSIN

FIGURE NO.
2

DESIGNED BY:	DATE:
CHECKED BY:	DATE:
APPROVED BY:	DATE:
REVISIONS:	
CHECKED BY:	DATE:
APPROVED BY:	DATE:
CHECKED BY:	DATE:
03/29/01	
KFT	
DRAWN BY:	
620612	
DRAWING NO.	

CERTIFICATE OF LEGAL DESCRIPTION

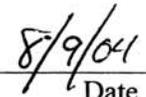
I hereby certify on behalf of the Mr. Dan Weigand, the responsible party, the legal description provided below is a true and accurate description of the property located at 3887 Old Highway Road, City of Sturgeon Bay, Door County, Wisconsin.

Commencing at the northeast corner of the Northeast Quarter of the Southwest Quarter, Section 33, Township 28, North, of Range 26, East; Thence Westerly along the north line of said forty acre tract to the point where said north line intersects the west line of State Highway 42 & 57; Thence proceed South 36 degrees 12 minutes west along the west line of said State Highway 42 & 57 a distance of 187.3 feet to the point of beginning of the tract herein to be described; Thence continuing South 36 Degree 12 minutes West a distance of 275 feet to a point; Thence proceed North 53 degrees 48 minutes west a distance of 248.8 feet to a point; Thence proceed North 36 degrees 12 minutes East a distance of 155 feet to a point which is the southwest corner of the Urban tract as described in 58 of Deeds, page 209; Door County Records; Thence proceed Southeasterly to the point of beginning.

TAX KEY NUMBER 022-02-33282631B1



Signature



Date