

**GIS REGISTRY COVER SHEET
Commerce Case Closure**

Source Property Information

Closure Date: September 29, 2008
BRRTS #: 03-46-000984
Commerce #: 53074-2328-10-A
Site Name: Ozaukee County Highway Department
Street Address: 410 S. Spring Street
City: Port Washington

Source Property GPS Coordinates: **X = 691122 Y = 325354**
(Coordinates in WTM83, NAD83 (1991))

GPS Coordinates Represent

Approximate Center of Contaminant Source Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media

Groundwater Contamination >Enforcement Standard (236)

Soil Contamination >Residual Contaminant Levels (RCLs), Site-Specific RCLs (SSRCLs) or Direct Contact <4 feet (232)

Groundwater Contamination in Right-of-Way

Soil Contamination in Right-of-Way

Off-Source Groundwater Contamination
(See attached list of impacted off-source properties)

Off-Source Soil Contamination
(See attached list of impacted off-source properties)

Land Use Controls

Soil: maintain industrial zoning (220)

Cover or Barrier (222)

Structural Impediment (224)

Vapor Mitigation (226)

Site-Specific Condition (228)

Maintain Liability Exemption (230)
(For local government or economic development corporation)

Monitoring wells properly abandoned? (234)

Yes

No

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 #: 03-46-000984 PARCEL ID #: 160500702000

ACTIVITY NAME: Ozaukee County Highway Department WTM COORDINATES: X: 691122 Y: 325354

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: Lot 702 Ozaukee County/Ozaukee County LIO**
- 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 Layout**
 - 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: Extent of Soil Contamination (Soil Boring/Soil Sample Location Map-locations not on other)**

BRRTS #: 03-46-000984

ACTIVITY NAME: Ozaukee County Highway Department

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:**

Figure #: **Title:**

- 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 #: **Title:**

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 #: **Title: There are four soil tables**

- 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 #: 03-46-000984

ACTIVITY NAME: Ozaukee County Highway Department

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:



ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
375 City Center, Suite 1
Oshkosh, Wisconsin 54901
Contact Through Relay
Fax #: (920) 424-0217
Jim Doyle, Governor
Jack L. Fischer, A.I.A., Secretary

September 29, 2008

Mr. Robert Dreblow
Ozaukee County
410 S. Spring Street
Port Washington, WI 53074

RE: Final Closure with Land Use Limitation for Improperly Abandoned Monitoring Wells

Commerce # 53074-2328-10-A DNR BRRTS # 03-46-000984
Ozaukee County Highway Department, 410 S. Spring Street, Port Washington

Dear Mr. Dreblow:

On July 23, 2008, the Wisconsin Department of Commerce (Commerce) determined that this site does not pose a significant threat to human health the environment and, consequently, conditionally closed the site with the requirement that all monitoring wells be properly abandoned. Commerce has since been informed that several monitoring wells could not be properly abandoned because they were destroyed during utility work and paving.

Recent changes in state law allow Commerce to grant final closure of your site as long as the current and subsequent property owners adhere to the following limitation:

If monitoring wells MW1, MW2, MW5, MW8 and MW9 are located in the future, they must be properly abandoned in accordance with NR 141, Wis. Administrative Code, and a well abandonment form must be submitted to Commerce at the letterhead address.

Failure to adhere to this limitation may result in financial penalties from \$10 to \$5,000 per day in accordance with section 292.99(1), Wis. Stats. Be aware that property owners may be held liable for any contamination associated with improperly abandoned monitoring wells that create a conduit for contaminants to enter groundwater.

If the lost groundwater monitoring well is found, the then-current owner of the subject property will be required to properly abandon the well in compliance with the requirements in NR 141, Wis. Admin. Code, and to submit the required abandonment documentation to Commerce.

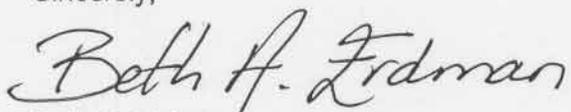
This site is now listed as "closed" on the Commerce database and will be included on the Department of Natural Resources (DNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual soil contamination. You can review all sites on the GIS Registry via the DNR's website at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

It is in your best interest to keep all documentation related to the environmental activities at your site. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required.

If soil is excavated, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation 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.

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 (920) 303-5410.

Sincerely,

A handwritten signature in cursive script that reads "Beth A. Erdman". The signature is written in black ink and is positioned above the typed name and title.

Beth A. Erdman
Senior Hydrogeologist
Site Review Section

cc: Christopher Hatfield-Northern Environmental



ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
2129 Jackson Street
Oshkosh, Wisconsin 54901-1805
TDD #: (608) 264-8777
Fax #: (920) 424-0217
Jim Doyle, Governor
Jack L. Fischer, A.I.A., Secretary

July 23, 2008

Mr. Robert Dreblow
Ozaukee County
410 S. Spring Street
Port Washington, WI 53074

RE: **Conditional Case Closure**

Commerce # 53074-2328-10-A DNR BRRTS # 03-46-000984
Ozaukee County Highway Department, 410 S. Spring Street, Port Washington

Dear Mr. Dreblow:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure prepared by your consultant, Northern Environmental, 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 the environment and human health. No further investigation or remedial action is necessary.

During the final groundwater sampling event conducted on November 16, 2007, the preventive action limit (PAL) for benzene was exceeded at monitoring well MW-11, at 2.1 parts per billion. Commerce is issuing a PAL exemption, per NR 140.28(2), Wis. Adm. Code, for benzene at the referenced property.

The following conditions must be satisfied to obtain final closure:

- Submit the completed Wisconsin Department of Natural Resources (WDNR) GIS Registry Checklist (Form 4400-245).
- Documentation (WDNR Abandonment Form 3300-5B) of abandonment of monitoring wells MW-1 through MW-11. If wells cannot be located for abandonment, provide documentation of when and why they were destroyed.

This letter serves as your written notice of "no further action." 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 of 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 (920) 303-5410.

Sincerely,

A handwritten signature in cursive script that reads "Beth A. Erdman".

Beth A. Erdman
Senior Hydrogeologist
Site Review Section

cc: Christopher Hatfield-Northern Environmental

conveyed in said Deed and the title of which is now vested in fee simple in the Shorewood Realty Co. plaintiff herein,

Dated this 1st day of March, 1927.

BY THE COURT, C.M. DAVISON CLERK.

Recorded March 10-1927 at 2:30 o'clock P.M. Wm. Ahlhauser, Register.

NELL DONAHUE ESSER ET AL TO NO. 94196 DEED OZAUKEE COUNTY

THIS INDENTURE, made this 15th day of March, A.D. 1927, by and between NELL DONAHUE ESSER and FRANK P. DONAHUE, as testamentary trustees under the last will and testament of John Donahue, deceased, late of Milwaukee County, parties of the first part, and OZAUKEE COUNTY, a municipal corporation, party of the second part,

WITNESSETH:

WHEREAS, the said John Donahue died testate on the 20th day of September, A.D. 1915, seized and possessed of the real estate hereinafter described, and

WHEREAS, the last will and testament of the said John Donahue was duly proved allowed and admitted to Probate in the County Court of Milwaukee County, State of Wisconsin, on the 14th day of October, A.D. 1915, and

WHEREAS, the said Nell Donahue Esser and Frank P. Donahue of said Milwaukee County, were, by the said last will and testament of said John Donahue, named as testamentary trustees under said Will, and duly qualified as such trustees, and letters of trust were issued to them as such by order of said court, dated the 26th day of November, A.D. 1917, and

WHEREAS, by said Will, said trustees are given and have full power to sell and convey any or all of the estate of said John Donahue, and upon such terms and for such consideration as they, in their judgment, may deem proper;

NOW THEREFORE, by virtue of the power and authority and in the exercise of the discretion so given by said will, and in consideration of the sum of One (\$1.00) Dollar and other valuable considerations, then in hand paid as such trustees, by the said Ozaukee County, a municipal corporation, party of the second part, the receipt whereof is hereby confessed and acknowledged, we the said Nell Donahue Esser and Frank P. Donahue, as such trustees, have given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents do give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said Ozaukee County, a municipal corporation, party of the second part, its successors and assigns forever, the following described real estate, to-wit:

The following piece or parcel of land lying and being situated in Ozaukee County, Wisconsin, being the north five and one-third (5 1/3) acres of that part of the North West Quarter of the North East Quarter of Section Thirty-two (32), Township Eleven (11) North, of Range Twenty-two (22) East, lying and being between the West line of the Chicago and North Western Railway Company, and the East line of the Grafton Road, more particularly described as follows: - Commencing at a point eighty-eight (88) feet south of where the south corporation line of the City of Port Washington intersects the East line of the Grafton Road, and running thence easterly to the West line of the Right of Way of the C. & N.W. Ry., thence southerly six hundred (600) feet along said Right of Way thence westerly to the East line of the Grafton Road, thence northerly six hundred (600) feet along said line to the place of beginning, the same being Five and one-third (5 1/3) acres more or less.

Excepting that part conveyed to the Milwaukee Northern Railway Co. recorded in the Register of Deeds Office of Ozaukee County, in Volume 49 of Deeds, on Page 536, together with reservations therein contained.

Hereby intending to convey all of the land of said Five and one-third (5 1/3) acres heretofore not conveyed.

TO HAVE AND TO HOLD, to the said Ozaukee County, a municipal corporation, and to its successors and assigns forever.

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals as such trustees on the day and year first above written.

In Presence of:

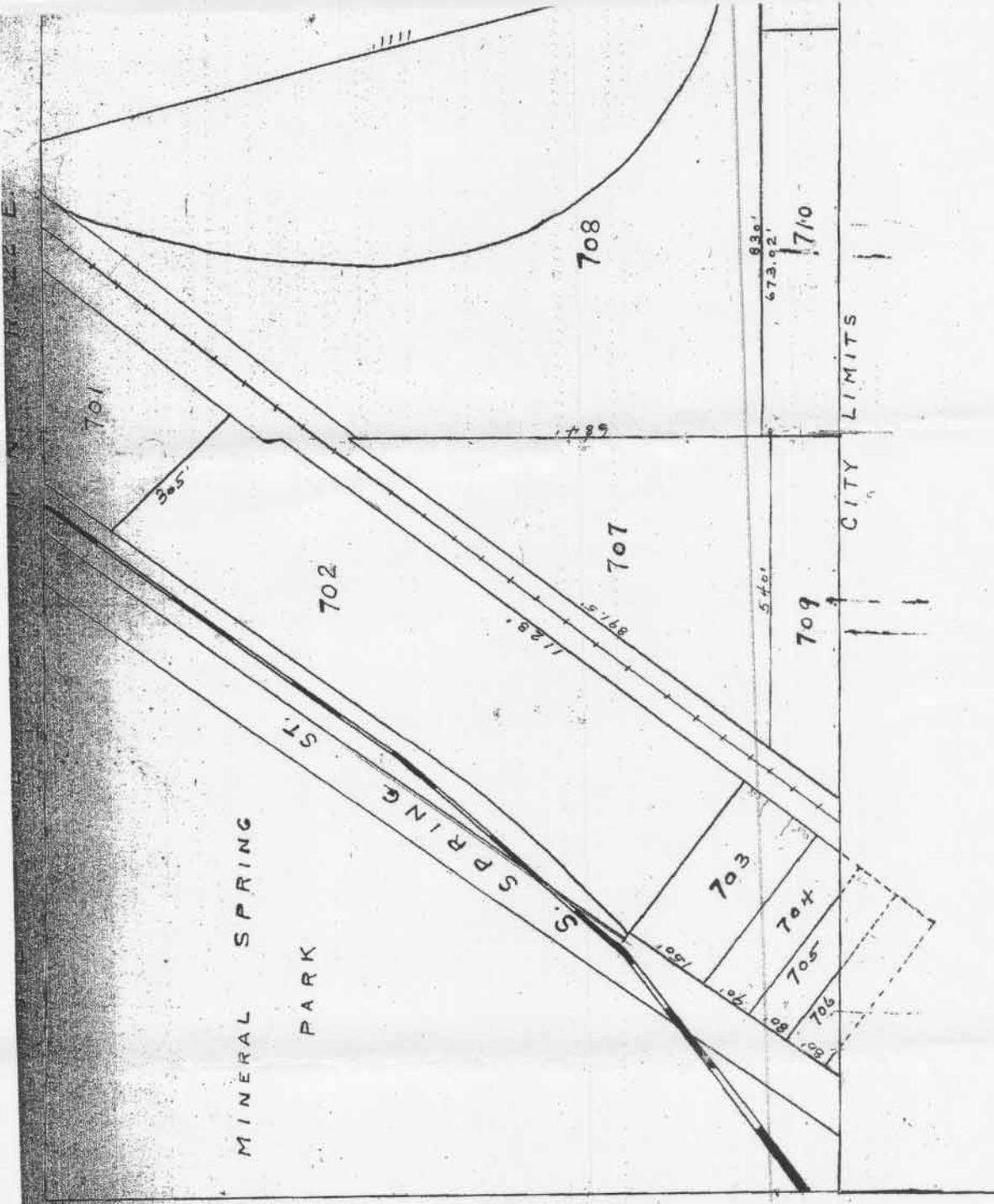
G. J. CARROLL

J. C. DONNELLY

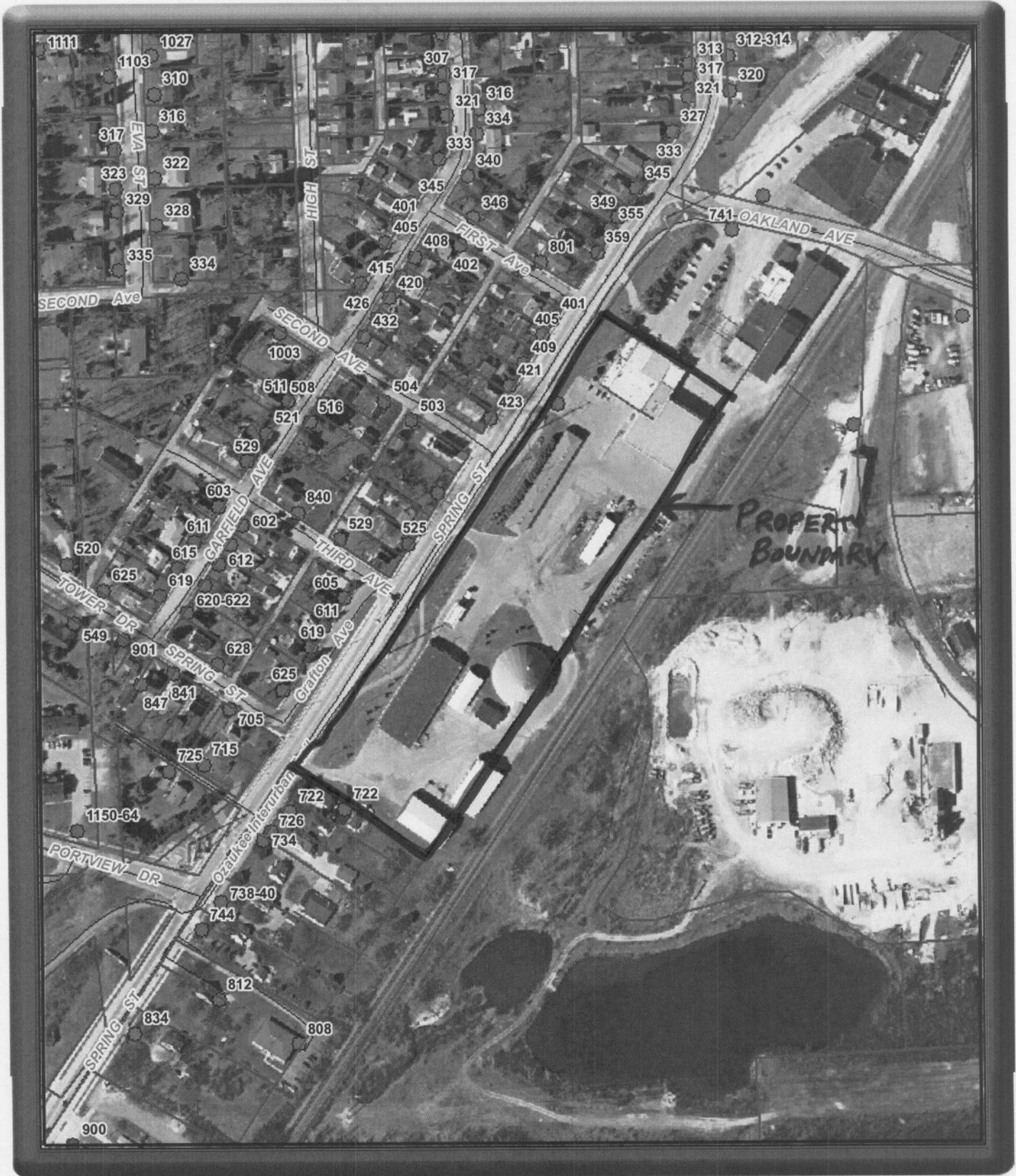
FRANK P. DONAHUE (SEAL) NELL DONAHUE ESSER (SEAL) Testamentary trustees under the Last Will and Testament of John Donahue, deceased.

STATE OF WISCONSIN) SS. MILWAUKEE COUNTY }

On this 15th day of March, A.D. 1927, personally came before me Nell Donahue Esser and Frank P. Donahue to me known to be the testamentary trustees under the last will and testament of John Donahue, and the persons who executed the foregoing instrument, and acknowledged that they executed the same as such trustees.



LOT 702
 Ozaukee County



-  Parcel Areas
-  Ozaukee Floodplain
-  Sections
-  Quarter Sections

-  Ozaukee Address Points
-  Easements
-  Easement Arcs
-  Original Plat Lines
-  Ozaukee Centerline

Ozaukee County LIO

1 inch equals 266.20 feet





Ozaukee County Highway Department

410 South Spring Street

P.O. Box 994

Port Washington, Wisconsin 53074-0994

Robert R. Dreblow, PE – Highway Commissioner

Phone 262-238-8331

Fax 262-238-8343

Mr. Christopher Hatfield
Northern Environmental Technologies, Inc.
12075 North Corporate Parkway, Suite 210
Mequon, WI 53092

Re: Signed Statement; Ozaukee County Highway Commission
410 South Spring Street
Port Washington, WI 53074

Dear Mr. Hatfield:

The parcel ID number for the above referenced site from the Ozaukee County Register of Deeds is 160500702000. The most recent deed to the property is enclosed. The legal description and attachments to this statement are, to the best of my knowledge, complete and accurate.

Sincerely,

Robert R. Dreblow, PE
Highway Commissioner



SITE LOCATION MAP

**OZAUKEE COUNTY HIGHWAY DEPARTMENT
410 SOUTH SPRING STREET
PORT WASHINGTON, WI**

SCALE: 1" = 2000'

DATE: 1-16-95

PROJECT MGR: DGV

DRAWN BY: PMW

JOB NUMBER: 948535

REVISION DATE:

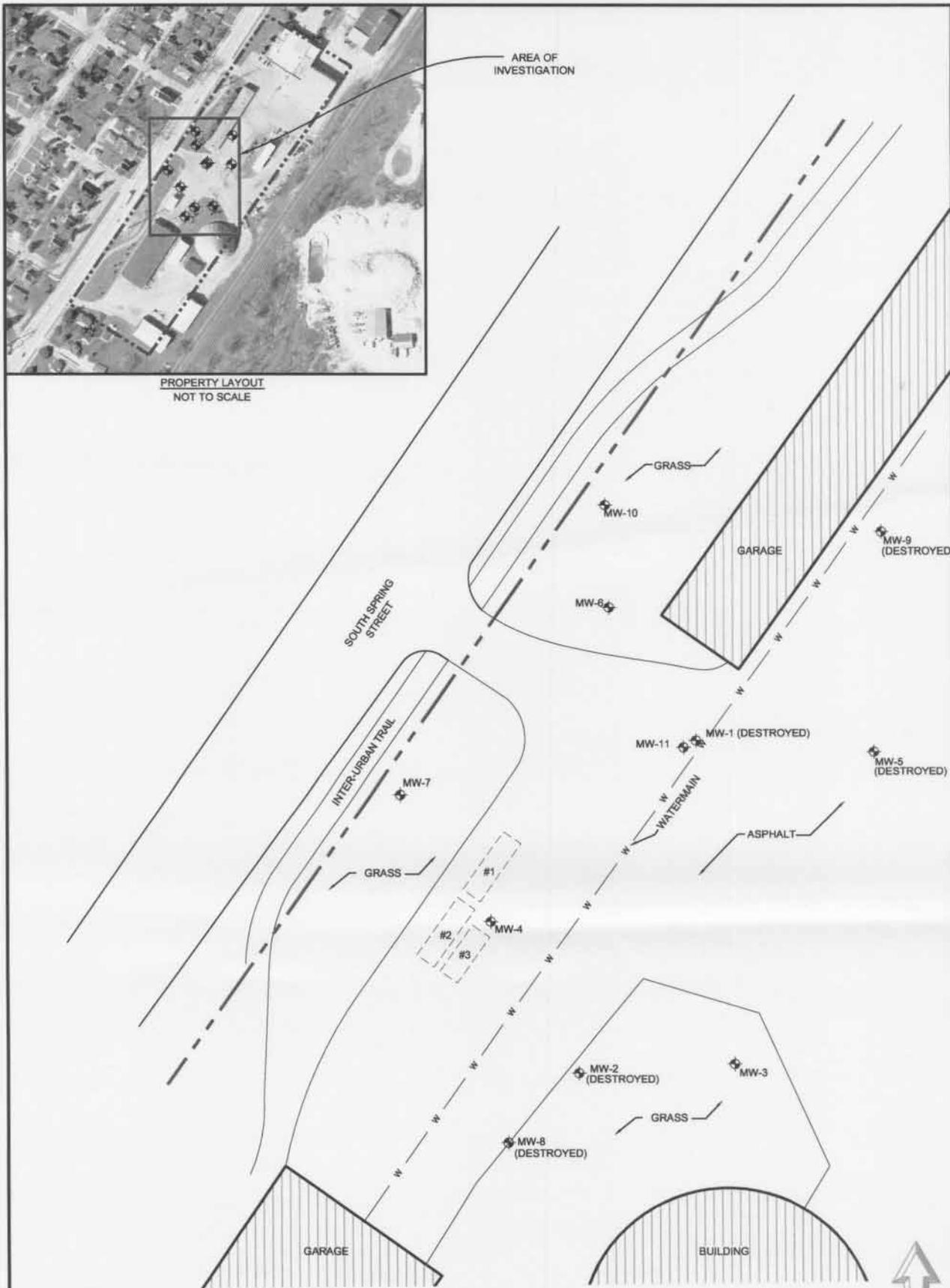


**GRAEF
ANHALT
SCHLOEMER**
and Associates Inc.
ENGINEERS & SCIENTISTS



PROPERTY LAYOUT
NOT TO SCALE

AREA OF INVESTIGATION



LEGEND

- PROPERTY BOUNDARY
- MW-1 MONITORING WELL LOCATION AND IDENTIFICATION
- #1 = FORMER 15,000 GALLON LEADED GASOLINE UST
- #2 = FORMER 15,000 GALLON LEADED DIESEL FUEL UST
- #3 = FORMER 15,000 GALLON UNLEADED GASOLINE UST

2005 SOURCE BASE AERIAL: WISCONSIN SOUTHEASTERN REGIONAL PLANNING COMMISSION

Northern Environmental

Hydrologists • Engineers • Surveyors • Scientists
12075 North Corporate Parkway, Suite 210, Mequon, Wisconsin 53092
Phone: 800-776-7140 Fax: 262-241-8222

WISCONSIN • MICHIGAN • ILLINOIS • IOWA

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SCALE IN FEET



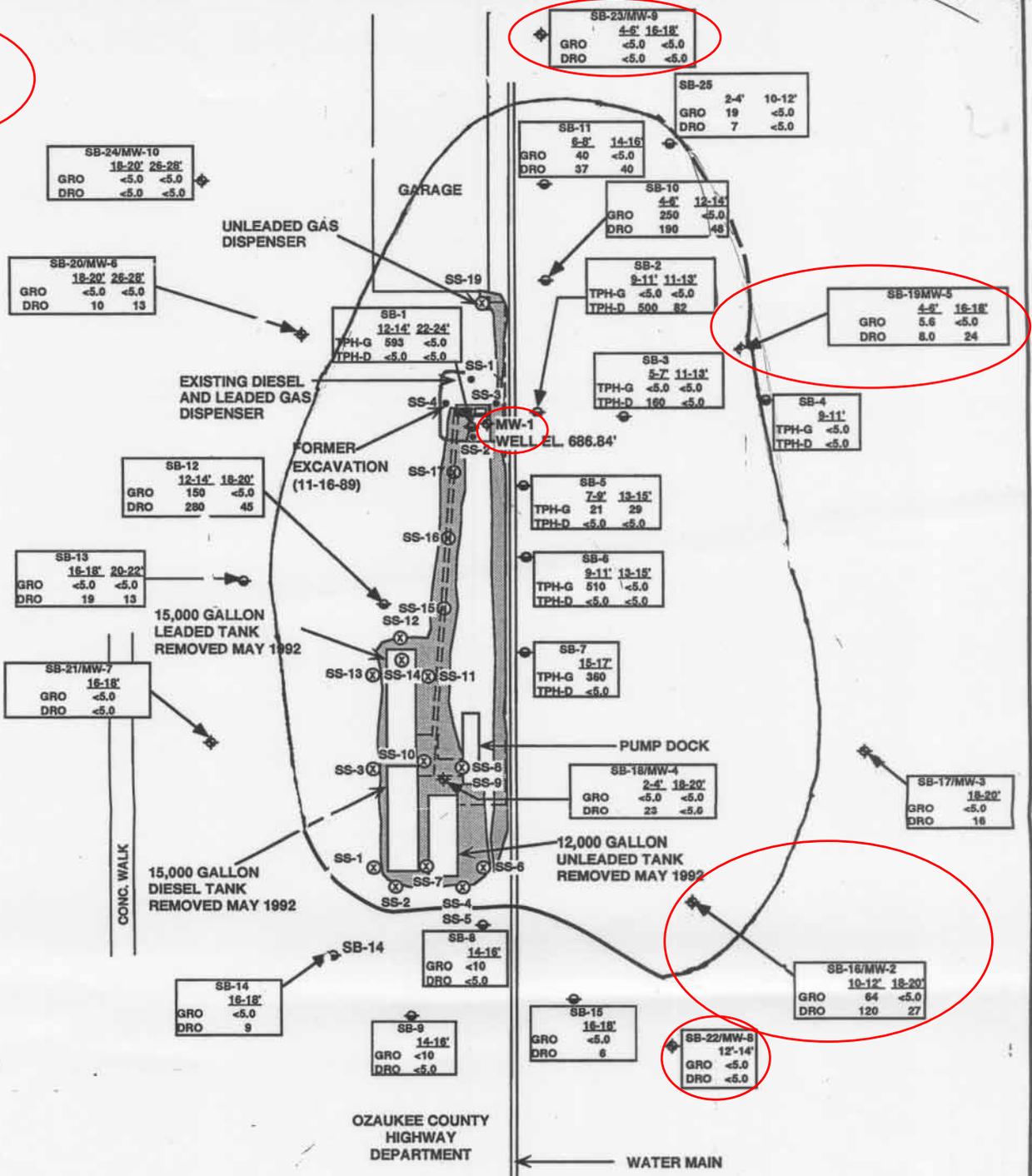
SITE LAYOUT

OZAUKEE COUNTY HIGHWAY DEPARTMENT
PORT WASHINGTON, WISCONSIN

PROJECT NUMBER: OCH 01-2200-3093 FIGURE 1

DATE: 08/27/08 DRAWN BY: BWP TASK NUMBER: 2

**LOST
MONITORING
WELLS**



KEY

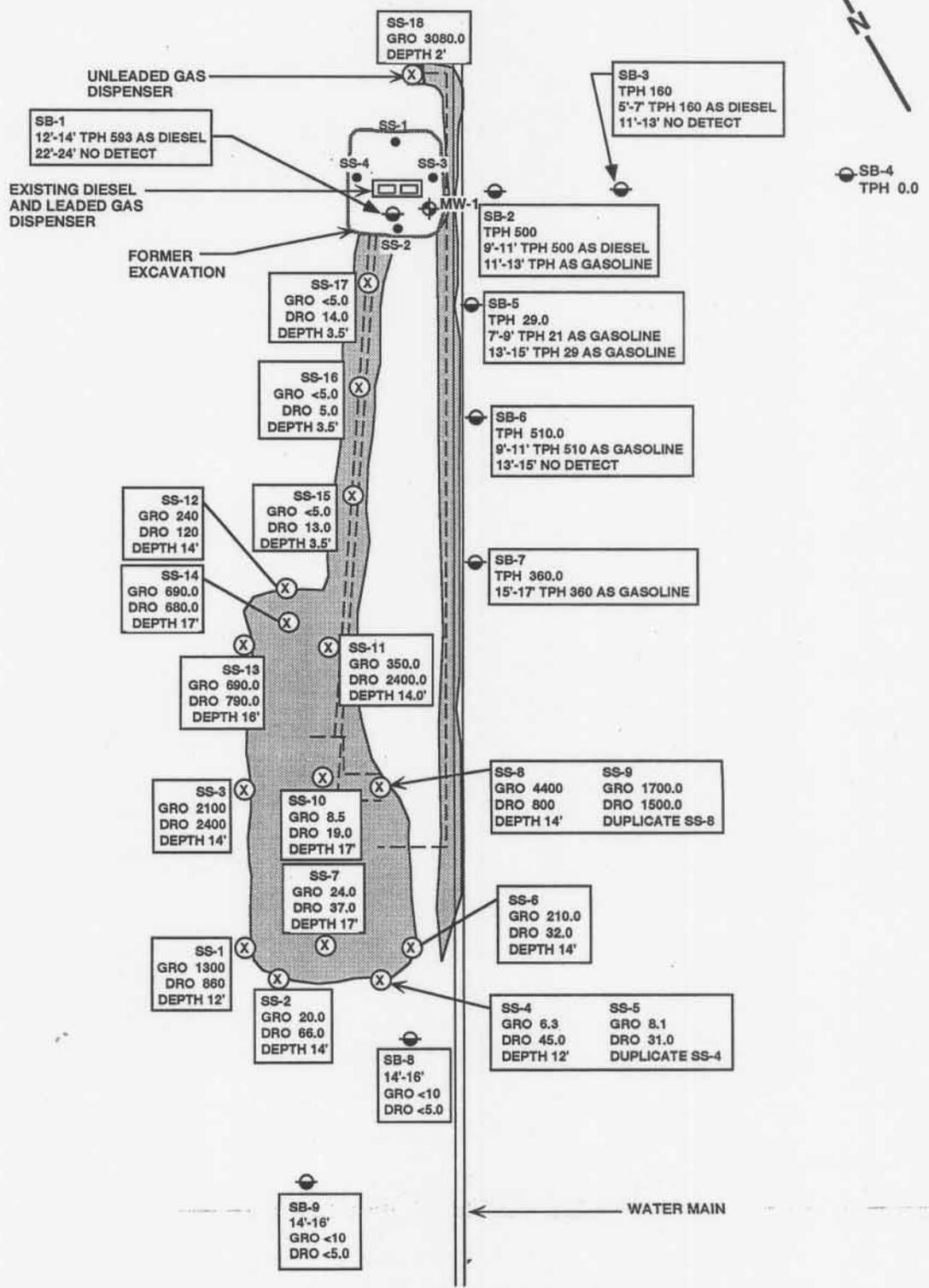
- LIMITS OF FORMER EXCAVATION (6-2-92)
- SOIL BORING
- MONITORING WELL (SAMPLED 8/92)
- SOIL SAMPLE (11-16-89)
- SOIL SAMPLE (5-29 / 6-2-92)
- GRO** GASOLINE RANGE ORGANICS (PPM)
- DRO** DIESEL RANGE ORGANICS (PPM)
- TPH-G** TOTAL PETROLEUM HYDROCARBONS-GASOLINE (PPM)
- TPH-D** TOTAL PETROLEUM HYDROCARBONS-DIESEL (PPM)
- LIMITS OF PETROLEUM CONTAMINATED SOIL GREATER THAN 10 PPM (DASHED WHERE APPROXIMATE)

EXTENT OF SOIL CONTAMINATION

OZAUKEE COUNTY HIGHWAY DEPARTMENT
PORT WASHINGTON, WISCONSIN

GARAGE

SCALE:
DATE:
PROJ. MNGR:
DRAWN BY:
JOB NUMBER:
REVISION DATE:



LEGEND	
	LIMITS OF EXCAVATION
	SOIL BORING
	MONITORING WELL
	SOIL SAMPLE (11-16-89)
	SOIL SAMPLE (5-29 / 6-2-92)

SOIL BORING/SOIL SAMPLE LOCATION MAP

OZAUKEE COUNTY
HIGHWAY DEPARTMENT
PORT WASHINGTON, WISCONSIN

SCALE: 1" = 20'
DATE: 10-8-91
PROJ. MNGR: DGV
DRAWN BY: JDJ
JOB NUMBER: 928512
REVISION DATE: 6-29-92

**GRAEF
ANHALT
SCHLOEMER**
and Associates Inc.
ENGINEERS & SCIENTISTS

The final dimensions of the excavation measured roughly 15 feet by 15 feet by 15 feet deep. Approximately 120 cubic yards of soils were removed from the excavation. Soils were transported to the Highway Department's Lakeland asphalt plant, located in the Town of Saukville. Highway Department officials were notified to stage soils on, and cover with, plastic sheeting to prevent leaching of contaminants. The Ozaukee County Highway Department is currently seeking a permit to process contaminated soils at the Lakeland asphalt plant.

ANALYTICAL RESULTS

The soil samples were analyzed by Gabriel Midwest Laboratory for their content of total petroleum hydrocarbons (TPH). Soil samples of the bottom and east wall contain TPH contamination greater than 10 ppm (Appendix A). TPH concentrations in parts per million (ppm) were detected in the soil samples as follows:

Dispenser Upgrade Soil Sample Results

Lab Sample Number	Sample Location	Depth (feet)	TPH (ppm)
SS1	North wall	6	7.4
SS2	South Wall	6	ND
SS3	East Wall	6	33.6
SS4	West Wall	6	ND
SS5	Bottom	15	47.4

ND=not detected

ND indicates that the TPH concentration does not exceed the 5 ppm detection limit. TPH concentrations are below 10 ppm along the north, south and west walls.

TABLE 2

SOIL SAMPLE ANALYTICAL RESULTS - TANK REMOVALS
MAY 29 - JUNE 2, 1992

OZAUKEE COUNTY HIGHWAY DEPARTMENT
PORT WASHINGTON, WISCONSIN

SAMPLE NUMBER*	DEPTH (feet)	FIELD SCREENING OVM (IU)	LABORATORY RESULTS in ppm								
			GRO	DRO	B	EB	MTBE	T	1,2,4-TMB	1,3,5-TMB	X
SS-1	12.0	366.0	1,300	860	<1.0	24	<1.0	<1.0	56	19	97
SS-2	14.0	287.0	20	66	<0.1	<0.1	<0.1	<0.1	0.9	0.3	0.2
SS-3	14.0	565.0	2,100	2,900	<1.0	13	<1.0	1.6	81	27	82
SS-4	12.0	72.0	6.3	45	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	0.1
SS-5	12.0	72.0	8.1	31	<0.1	<0.1	<0.1	<0.1	0.2	0.1	0.1
SS-6	14.0	40.7	210	32	<0.1	0.8	<0.1	0.1	20	6.4	8.2
SS-7	17.0	9.9	24	37	<0.1	0.2	<0.1	<0.1	1.4	0.5	1.1
SS-8	14.0	785.0	4,400	800	<10	34	<10	21	240	82	340
SS-9	14.0	785.0	1,700	1,500	<1.0	11	<1.0	2.2	140	46	120
SS-10	17.0	6.9	8.5	19	<0.1	0.2	<0.1	<0.1	0.6	0.2	0.4
SS-11	14.0	721.0	350	2,400	<0.1	8.9	<0.1	8.4	21	7.2	58
SS-12	14.0	778.0	240	120	<0.1	3.6	<0.1	1.3	17	5.6	25
SS-13	16.0	660.0	690	790	<0.1	5.0	<1.0	2.9	34	12	44
SS-14	17.0	660.0	690	680	<1.0	6.4	<1.0	4.6	34	12	49
SS-15	3.5	0.2	<5.0	13	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
SS-16	3.5	1.0	<5.0	5	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	0.1
SS-17	3.5	0.6	<5.0	14	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SS-18	2.0	277.0	240	3,080	4.3	14	2.2	44	180	60	240

SS = Soil Sample

* For sample locations, refer to Figure 2

IU = Instrument Units

ppm = parts per million

OVM = Organic Vapor Meter

Bold values indicate laboratory detections

GRO = gasoline range organics

DRO = diesel range organics

B = benzene

EB = ethylbenzene

MTBE = methyl-tert-butyl ether

T = toluene

1,2,4-TMB = 1,2,4-trimethylbenzene

1,3,5-TMB = 1,3,5-trimethylbenzene

X = xylene

NA = Not Analyzed

TABLE 3

SOIL SAMPLE ANALYTICAL RESULT - SOIL BORINGS
AUGUST 24 - SEPTEMBER 1, 1992

OZAUKEE COUNTY HIGHWAY DEPARTMENT
PORT WASHINGTON, WISCONSIN

SAMPLE NUMBER	SAMPLE LOCATION	DEPTH (feet)	FIELD SCREENING OVM (IU)	LABORATORY RESULTS in ppm								
				GRO	DRO	B	EB	MTBE	T	1,2,4-TMB	1,3,5-TMB	X
SS-1	SB-10	4-6	915.0	250	190	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SS-2	SB-10	12-14	11.0	<5.0	48	<0.1	6.5	<0.1	5.4	24	6.4	33
SS-3	SB-11	6-8	343.0	40	37	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SS-4	SB-11	14-16	4.3	<5.0	40	<0.1	1.1	<0.1	0.2	4.4	1.4	6.2
SS-5	SB-12	12-14	766.0	150	280	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SS-6	SB-12	18-20	4.3	<5.0	45	<0.1	0.9	<0.1	<0.1	10	0.5	65
SS-7	SB-13	16-18	25.7	<5.0	19	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SS-8	SB-13	20-22	1.9	<5.0	13	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1
SS-9	SB-14	16-18	0.0	<5.0	9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SS-10	SB-15	16-18	1.3	<5.0	6	<0.1	<0.1	<0.1	<0.2	0.1	<0.1	0.5
SS-11	SB-16	10-12	767.0	64	120	<0.1	0.6	<0.1	<0.1	6.8	2.1	5.0
SS-12	SB-16	18-20	1.2	<5.0	27	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SS-13	SB-17	18-20	0.2	<5.0	16	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SS-14	SB-18	2-4	56.5	<5.0	23	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SS-15	SB-18	18-20	2.4	<5.0	<5.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SS-16	SB-19	4-6	40.8	8.0	5.6	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SS-17	SB-19	16-18	0.4	<5.0	24	<0.1	0.2	<0.1	<0.1	0.4	<0.1	0.3
SS-18	SB-20	18-20	115.0	<5.0	10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SS-19	SB-20	26-28	0.8	<5.0	13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SS-20	SB-21	16-18	0.3	<5.0	<5.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

SS = Soil Sample

SB = Soil Boring

IU = Instrument Units

ppm = parts per million

OVM = Organic Vapor Meter

Bold values indicate laboratory detections

GRO = gasoline range organics

DRO = diesel range organics

B = benzene

EB = ethylbenzene

MTBE = methyl-tert-butyl ether

T = toluene

1,2,4-TMB = 1,2,4-trimethylbenzene

1,3,5-TMB = 1,3,5-trimethylbenzene

X = xylene

TABLE 5

SOIL SAMPLE ANALYTICAL RESULTS - SOIL BORINGS
DECEMBER 7-8, 1992

OZAUKEE COUNTY HIGHWAY DEPARTMENT
PORT WASHINGTON, WISCONSIN

SAMPLE NUMBER	SAMPLE LOCATION	DEPTH (feet)	FIELD SCREENING OVM (IU)	LABORATORY RESULTS in ppm									
				GRO	DRO	B	EB	MTBE	T	1,2,4-TMB	1,3,5-TMB	X	
SS-1	SB-22	12-14	4.0	<5.0	<5.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3
SS-2	SB-24	18-20	1.0	<5.0	<5.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3
SS-3	SB-24	26-28	1.0	<5.0	<5.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3
SS-4	SB-23	4-6	130.0	<5.0	<5.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3
SS-5	SB-23	16-18	0.4	<5.0	<5.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3
SS-6	SB-25	2-4	299.0	19	7	1.7	0.6	0.2	0.2	<0.1	<0.1	<0.1	0.6
SS-7	SB-25	10-12	14.0	<5.0	<5.0	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3

SS = Soil Sample

SB = Soil Boring

IU = Instrument Units

ppm = parts per million

OVM = Organic Vapor Meter

Bold values indicate laboratory detections

GRO = gasoline range organics

DRO = diesel range organics

B = benzene

EB = ethylbenzene

MTBE = methyl-tert-butyl ether

T = toluene

1,2,4-TMB = 1,2,4-trimethylbenzene

1,3,5-TMB = 1,3,5-trimethylbenzene

X = xylene

Table 4 Soil Sample Field Screening and Laboratory Analytical Results, Ozaukee County Highway Department, Port Washington, Wisconsin

Borehole Number	Sample Number	Date Sampled	Sample Depth (feet)	PID Response (iui)	Description	Lead (mg/kg)	Detected Polynuclear Aromatic Hydrocarbon Analytical Results (micrograms per kilogram)						
							Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(g, h, i) perylene	Chrysene	Indeno(1,2,3-cd) pyrene	Pyrene
Section NR 720.11, Wis. Adm. Code Residual Contaminant Levels					Non-Industrial	50	NE	NE	NE	NE	NE	NE	NE
					Industrial	500	NE	NE	NE	NE	NE	NE	NE
Suggested Generic Residual Contaminant Levels for Protection from Direct Contact					Non-Industrial	NE	88	8.8	88	1800	8800	88	500,000
					Industrial	NE	3900	390	3900	39,000	390,000	3900	30,000,000
Suggested Generic Residual Contaminant Levels for Protection of Groundwater						NE	17,000	48,000	360,000	6,800,000	37,000	680,000	8,700,000
B11	S1101	11/14/07	1-3	1	Silty sand	-	-	-	-	-	-	-	-
	S1102	11/14/07	3.5-5.5	2	Medium sand	-	-	-	-	-	-	-	-
	S1103	11/14/07	6-8	2	Medium sand	-	-	-	-	-	-	-	-
	S1104	11/14/07	8.5-10.5	2	Medium sand	-	-	-	-	-	-	-	-
	S1105	11/14/07	11-13	3	Medium sand	2.5	15.6 "J"	15.9 "J"	19 "J"	24.1 "J"	14.2 "J"	15.3 "J"	15.6 "J"
	S1106	11/14/07	13.5-15.5	4	Gravel	-	-	-	-	-	-	-	-
	S1107	11/14/07	16-18	5	Gravel	-	-	-	-	-	-	-	-
	S1108	11/14/07	18.5-20.5	2	Gravel	-	-	-	-	-	-	-	-

Note: Suggested generic RCLS based on Wisconsin Department of Natural Resources Guidance Publication RR-519-97 (Corrected), April 1997

PID = photoionization detector

iui = instrument units as isobutylene

mg/kg = milligrams per kilogram

NE = not established by Wisconsin Administrative Code (Wis. Adm. Code)

J = analyte detected between the limit of detection and the limit of quantitation

XXX = exceeds suggested non-industrial generic residual contaminant levels for protection from direct contact