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By

GIS REGISTRY INFORMATION

SITE NAME: Fleet Operations Facility

BRRTS #: 03-41-004898 **FID # (if appropriate): 241132650**

COMMERCE # (if appropriate): 53205-2556-22

CLOSURE DATE: 05.15.2007

STREET ADDRESS: 721 West Winnebago Street

CITY: Milwaukee

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): **X=** 689349 **Y=** 288009

CONTAMINATED MEDIA: Groundwater [ ] Soil [ ] Both [X]

OFF-SOURCE GW CONTAMINATION >ES: [X] Yes [ ] No

IF YES, STREET ADDRESS 1: 701 & 709 thru 717 W Juneau Ave.

GPS COORDINATES (meters in WTM91 projection): **X=** 689371 **Y=** 287969

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

IF YES, STREET ADDRESS 1: 703 W Juneau Ave and 700 W Highland

GPS COORDINATES (meters in WTM91 projection): **X=** 689355 & 689374 **Y=** 287941 & 287920

CONTAMINATION IN RIGHT OF WAY: [x] 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)	X
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	X
Any maintenance plan enclosed with closure letter - SEE CLOSURE LETTER INCLUDES MISSING WELL INFORMATION	X

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212-3128
FAX 414-263-8606
Telephone 414-263-8500
TTY Access via relay - 711

May 15, 2007

Milwaukee County DPPI - Environmental Services
Attn: Sean Hayes
2711 West Wells Street #221
Milwaukee, WI 53208

Subject: Final Closure with Land Use Limitations or Conditions for Fleet Operation Facility, 721 West Winnebago Street, Including Properties at 709 thru 717 West Juneau Avenue and 700 West Highland Avenue, Milwaukee, WI

FID: 241132650
BRRTS: 03-41-004898, 03-41-201378, 03-41-002633, & 02-41-000668
PECFA: 53205-2556-22 & 53233-1416-03

Dear Mr. Hayes:

On October 4, 2005, the Wisconsin Department of Natural Resources ("the Department") 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. On October 6, 2005, you were notified that the Closure Committee had granted conditional closure to this case.

On May 9, 2007, the Department received correspondence indicating that you have complied with the requirements of closure. The Department received documentation related to the location of the missing and or groundwater monitoring wells that were not abandon, benzene iso-concentration, and groundwater depth maps.

Based on the correspondence and data provided, it appears that your case meets the requirements of ch. NR 726, 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 or the current property owner 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

Pursuant to s. 292.12(2)(a), Wis. Stats., the pavement and building foundations that currently exists at the locations shown on the attached maps shall be maintained in compliance with **the attached maintenance plans** in order to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. Cap Maintenance Plans are provided for the locations at 721 West Winnebago Street, Lot 1 and 709 thru 717 West Juneau Avenue, Lots 2, 3, and 4 (see enclosed plans and plats). 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 statutes 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 during excavation activities to prevent a health threat to humans.

Structural Impediments

Structural impediments existing at the time of cleanup, the building existing at 700 West Highland Avenue, made complete investigation and remediation of the soil contamination on this property impracticable. Pursuant to s. 292.12(2)(b), Wis. Stats., if the structural impediments on this property that are described above are removed, the property owner shall conduct an investigation of the degree and extent of petroleum contamination. If contamination is found at that time, the Wisconsin Department of Natural Resources shall be immediately notified and the contamination shall be properly remediated in accordance with applicable statutes and rules. If soil in the specific locations described above 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 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 statutes 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 during excavation activities to prevent a health threat to humans.

The following activities are prohibited on any portion of the property where pavement or building foundation is required as shown on the attached maps, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; or 6) construction or placement of a building or other structure.

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.

Lost Monitoring and Jammed Manhole Covered Wells

On November 17, 2006, your consultant, K. Singh and Associates, notified the Department that monitoring wells MW-17, MW-19, MW-101, and MW-102, installed along North 7th Street could not be found and two soil vapor extraction wells, SVE-1 and SVE-3 within the corridor of a MATC building, could not be accessed due to jammed manhole covers. The locations are as follows (see enclosed map, Lost Monitoring Wells):

- MW-101 and MW-102 are located in grassed areas east of 7th Street at 1101 North 6th Street
- MW-17 is buried under the current building located at 700 West Highland Avenue
- MW-19 is buried under the sidewalk west of 7th Street located at 700 West Highland
- SVE-1 and SVE-2, are located in a MATC basement hallway at 700 West Highland Avenue

These wells were lost, built over or inaccessible during site development activities. Your consultant has made a reasonable effort to locate the lost wells to determine whether they were properly abandoned but has been unsuccessful in those efforts. Milwaukee County has agreed to be liable for any problems associated with these monitoring wells and will abandon these well when notified by MATC when the wells can be accessed or if they create a conduit for contaminants to enter groundwater. If in the future any of the lost groundwater monitoring wells is found, the City of Milwaukee will be required to notify the Department and to properly abandon the wells in compliance with the requirements in ch. NR 141, Wis. Adm. Code, and to submit the required documentation of that abandonment to the Department.

Because these lost monitoring wells were not properly abandoned, your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites, as discussed in the next paragraph.

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.

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.

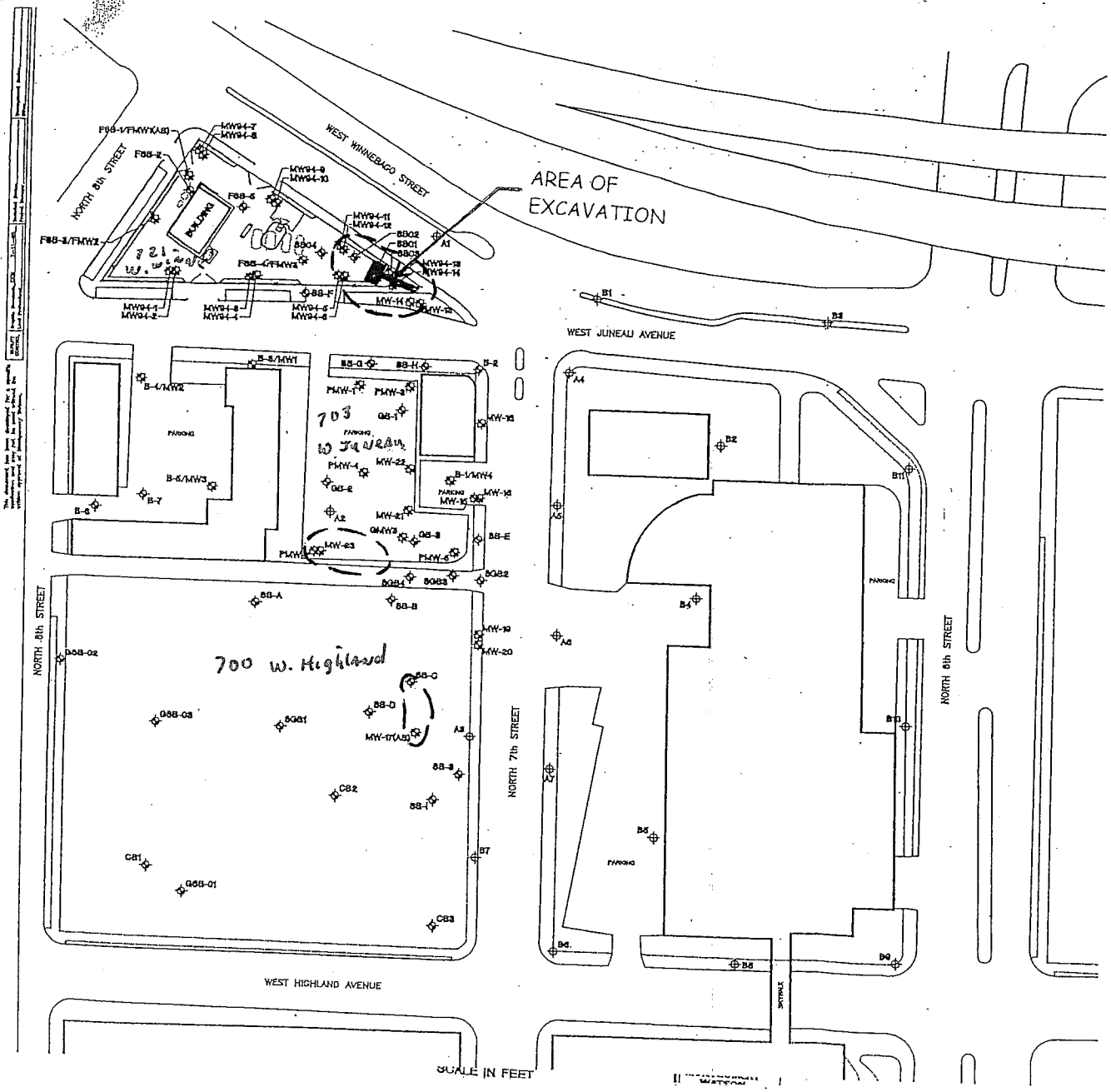
The Department appreciates the actions you have taken to investigate and remediate the contamination at this site. If you have any questions or comments, please feel free to contact John J. Hnat at the above address or at (414) 263-8644. Please refer to the FID number at the top of this letter in any future correspondence. Future correspondence should be sent directly to the Remediation and Redevelopment Program Assistant Vicky Stovall (414-263-8688) at the above address.

Sincerely,

James A. Schmidt
Southeast Region
Remediation and Redevelopment Team Supervisor

Enclosures: Map: Areas of Soil Contamination defined by Benzene, GRO, or DRO
Table: Soil Boring Data, 721 W Winnebago, 703 W Juneau & 700 W Highland
721 West Winnebago Street Cap Maintenance Plan
721 West Winnebago Cap Area Plat Lot 1
709 thru 717 West Juneau Avenue Cap Maintenance Plan
709 thru 717 West Juneau Cap Area Lot 2, 3, &4
700 Highland Building Cap Area
Location Map: Lost Monitoring Wells 1101 N 6th St. & 700 W Highland

C: Linda Michalets, Commerce
Mukesh Jain, K Singh & Associates
WDNR SER Files



SOIL CONTAMINATION

LEGEND

- SB01 — SOIL BORING LOCATION AND NUMBER PERFORMED BY MONTGOMERY WATSON IN FEBRUARY 1995 (SB01–SB04)
- SB-A — SOIL BORING LOCATION AND NUMBER PERFORMED BY GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.— DECEMBER 1993 TO JANUARY 1994 (SB-A – SB-I)
- SGB2 — SOIL BORING LOCATION AND NUMBER PERFORMED BY SIGMA ENVIRONMENTAL SERVICES IN MARCH 1993 (SGB2–SGB4)
- GSB-01 — SOIL BORING LOCATION AND NUMBER PERFORMED BY GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC. IN JANUARY 1993 (GSB-01 – GSB-03)
- SGB1 — SOIL BORING LOCATION AND NUMBER PERFORMED BY SIGMA ENVIRONMENTAL SERVICES IN OCTOBER 1992 (SGB1)
- B-1 — SOIL BORING LOCATION AND NUMBER PERFORMED BY SIGMA ENVIRONMENTAL SERVICES IN OCTOBER 1992 (B-1 – B-7)
- GB-1 — SOIL BORING LOCATION AND NUMBER PERFORMED BY GILES ENGINEERING ASSOCIATES, INC. IN JUNE 1991 (GB-1 – GB-3)
- FSB-1 — SOIL BORING LOCATION AND NUMBER PERFORMED BY FOTH & VAN DYKE IN APRIL 1991 (FSB-1 – FSB-5)
- CB3 — SOIL BORING LOCATION AND NUMBER PERFORMED BY CBC ENVIRONMENTAL SERVICES IN JUNE 1990 (CB1–CB3)
- MW94-1 — MONITORING WELL LOCATION AND NUMBER INSTALLED BY MONTGOMERY WATSON–DECEMBER 1994 TO FEBRUARY 1995 (MW94-1 – MW94-14)
- MW-13 — MONITORING WELL LOCATION AND NUMBER INSTALLED BY GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.— DECEMBER 1993 TO JANUARY 1994 (MW-13 – MW-23)
- PMW-1 — MONITORING WELL LOCATION AND NUMBER INSTALLED BY RMT, INC. IN MAY 1993 (PMW-1 – PMW-5)
- MW3 — MONITORING WELL LOCATION AND NUMBER INSTALLED BY SIGMA ENVIRONMENTAL SERVICES IN OCTOBER 1992 (MW1–MW4)
- GMW3 — MONITORING WELL LOCATION AND NUMBER INSTALLED BY GILES ENGINEERING ASSOCIATES, INC IN JUNE 1991 (GMW3)
- FMW2 — MONITORING WELL LOCATION AND NUMBER INSTALLED BY FOTH & VAN DYKE IN APRIL 1991 (FMW1–FMW5)
- A1 — PROPOSED INITIAL LOCATIONS FOR MULTIPLE DEPTH GROUNDWATER SAMPLING
- B1 — PROPOSED POTENTIAL ADDITIONAL LOCATIONS FOR MULTIPLE DEPTH GROUNDWATER SAMPLING

NOTES

1. BASE MAP DEVELOPED FROM A TOPOGRAPHIC MAP OF THE NORTHWEST QUARTER OF SECTION 29, TOWNSHIP 7 NORTH, RANGE 22 EAST PREPARED FOR MILWAUKEE COUNTY, WISCONSIN BY AERO-METRIC ENGINEERING, INC. UNDER A PROGRAM ADMINISTERED BY THE SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION.

north

0 40 80

SCALE IN FEET

HISTORICAL AND PROPOSED SAMPLING LOCATIONS

PHASE II – SITE INVESTIGATION
MILWAUKEE COUNTY FLEET OPERATION FACILITY
721 WEST WINNEBAGO STREET
MILWAUKEE, WISCONSIN

Drawn By CDM
Date 8/11/95
Developed By DRL
Approved By
Revisions
Consultants
Prefixed
Street Number
Drawing Number 4230.0020

MONTGOMERY WATSON

NOTES:

AREAS OF SOIL CONTAMINATION DEFINED BY BENZENE (>5.5ug/kg), GRO (>100mg/kg), OR DRO (>100mg/kg)

Soil Boring Data
721 West Winnebago Street and 703 Juneau, Milwaukee, WI
+ 700 W. HIGHLAND

Boring Number	Benzene ug/kg	DRO mg/kg	GRO mg/kg
SB01	260	69	ND
SB02	460	--	--
SB03	2100	50	ND
SB04	ND	12	--
SB-A	--	ND	41
SB-B	--	ND	ND
SB-C	ND	200	841
SB-D	--	ND	ND
SB-E	ND	144	11
SB-F	ND	ND	ND
SB-G	ND	111	ND
SB-H	ND	ND	858
SB-I	ND	ND	ND
SGB2	--	ND	ND
SGB3	--	56	900
SGB4	--	25	56
GSB-01	--	--	--
GSB-02	--	--	--
GSB-03	--	--	--
SGB1	--	ND	ND
B-1	2900	12	520
B-2	44	ND	22
B-3	ND	ND	ND
B-4	--	ND	ND
B-5	--	ND	ND
B-6	ND	ND	ND
B-7	ND	ND	ND
GB-1	ND	--	1440
GB-2	ND	ND	ND
GB-3	--	63	91
FSB-1	--	--	--
FSB-2	--	--	--
FSB-3	--	--	--
FSB-4	--	--	--
FSB-5	--	--	--
CB1	ND	--	--
CB2	ND	--	--
CB3	16 mg/kg TPH		
MW94-1	ND	ND	ND
MW94-2	--	--	--
MW94-3	ND	ND	ND
MW94-4	--	--	--
MW94-5	ND	ND	ND
MW94-6	1400	250	11
MW94-7	ND	ND	ND
MW94-8	--	--	--

Boring Number	Benzene ug/kg	DRO mg/kg	GRO mg/kg
MW94-9	ND	ND	ND
MW94-10	--	--	--
MW94-11	1200	140	ND
MW94-12	--	--	--
MW94-13	--	--	--
MW94-14	840	40	ND
MW-13	2640	ND	21
MW-14	--	--	--
MW-15	150	ND	ND
MW-16	--	--	--
MW-17	--	--	--
MW-18	120	ND	50
MW-19	60	ND	60
MW-20	--	--	--
MW-21	ND	151	ND
MW-22	380	119	45
MW-23	2990	ND	426
PMW-1	ND	--	ND
PMW-2	ND	--	ND
PMW-3	ND	1000	310
PMW-4	ND	200	ND
PMW-5	ND	80	340
MW1	ND	ND	ND
MW2	--	ND	ND
MW3	--	ND	ND
MW4	2900	13	520

721 West Winnebago Street Cap Maintenance Plan

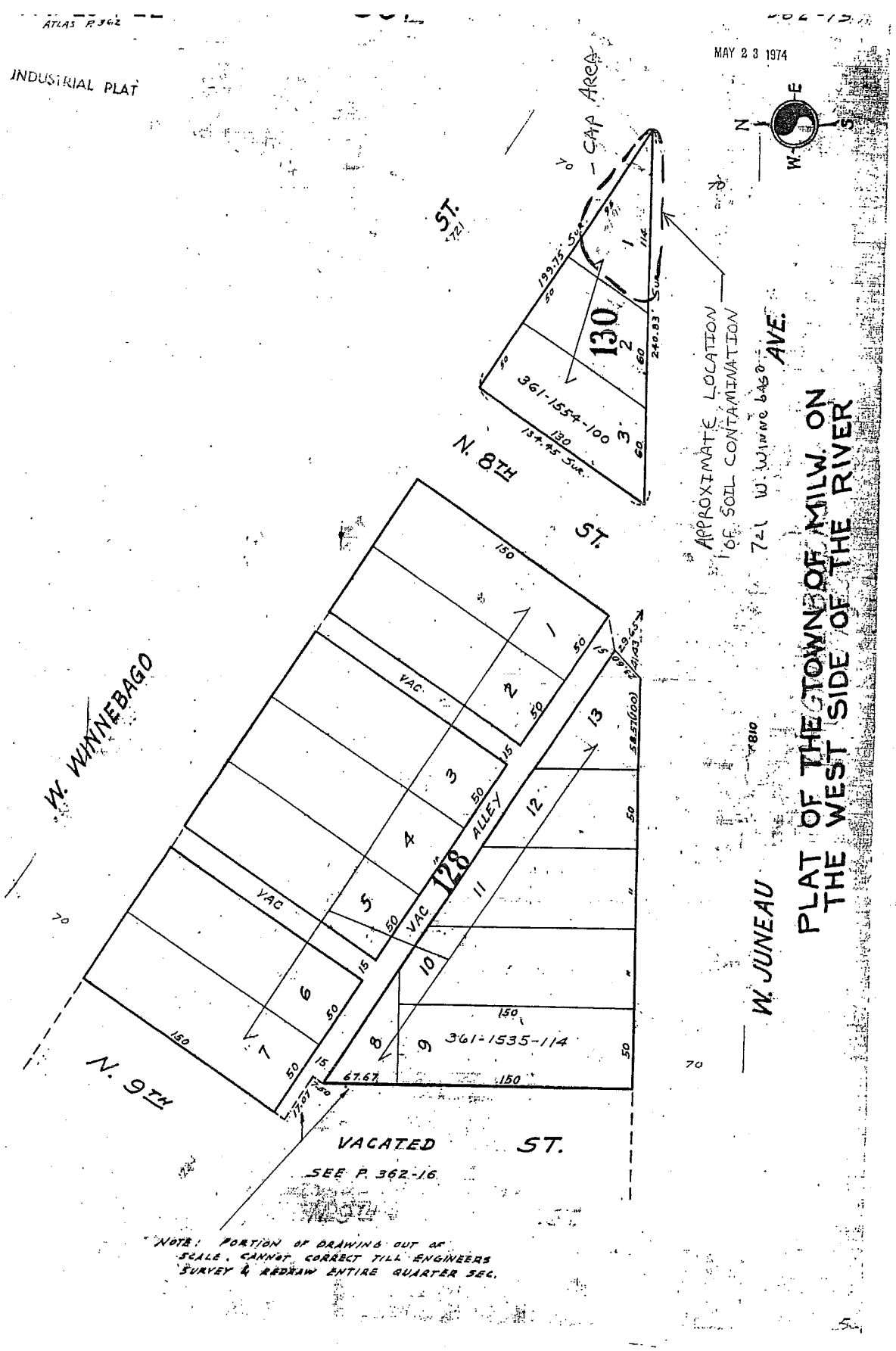
Legal Description of the Property: In Re:
Lots 1, 2 and 3, Block 130, in PLAT OF THE TOWN OF MILWAUKEE ON THE WEST SIDE OF THE RIVER, in the South West ¼ of Section 20, Township 7 North, Range 22 East, in the City of Milwaukee, County of Milwaukee and State of Wisconsin.

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

- The asphalt pavement in the area of lot 1 in the above mentioned property (see attached map) shall be visually inspected yearly for signs of wear, cracks, holes and anything else that could be detrimental the effectiveness of the protective cap.

- Any damage discovered during the yearly visual inspection shall be repaired using a paver with an infiltration rate of 10^{-7} cm/sec or less.

- The owner of the above-mentioned property shall keep record of all yearly visual inspections and repairs as long as the cap maintenance plan is deemed necessary. The records shall indicate the date of inspection and repair, the location and condition of all damage observed and damage repaired and the methods for repair.


ATLAS P. 362
INDUSTRIAL PLAT
MAY 2 3 1974
CAP AREA
APPROXIMATE LOCATION OF SOIL CONTAMINATION
721 W. WISCONSIN AVE.
PLAT OF THE TOWN OF MILW. ON THE WEST SIDE OF THE RIVER
W. JUNEAU
W. WINNEBAGO
N. 8TH ST.
N. 9TH
ALLEY
VACATED ST.
SEE P. 362-16
361-1554-100
361-1535-114
130
128
NOTE: PORTION OF DRAWING OUT OF SCALE. CANNOT CORRECT TILL ENGINEERS SURVEY & REDRAW ENTIRE QUARTER SEC.

709 thru 717 West Juneau Avenue Cap Maintenance Plan

Legal Description of the Property: In Re:
Lots 1, except the East 40 2/3 feet of the north 100 feet thereof, and all of lots 2 and 3, in block 160, in the Plat of the East ½ of the Northwest ¼ of Section 29, in Township 7 North, Range 22 East, in the City of Milwaukee.

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

- The asphalt pavement in the above mentioned property in the area indicated as "approximate area of soil contamination" on the attached map shall be visually inspected yearly for signs of wear, cracks, holes and anything else that could be detrimental the effectiveness of the protective cap.

- Any damage discovered during the yearly visual inspection shall be repaired using a paver with an infiltration rate of 10^{-7} cm/sec or less.

- The owner of the above-mentioned property shall keep record of all yearly visual inspections and repairs as long as the cap maintenance plan is deemed necessary. The records shall indicate the date of inspection and repair, the location and condition of all damage observed and damage repaired and the methods for repair.

NW 29-7-22
ATLAS P. 391

361

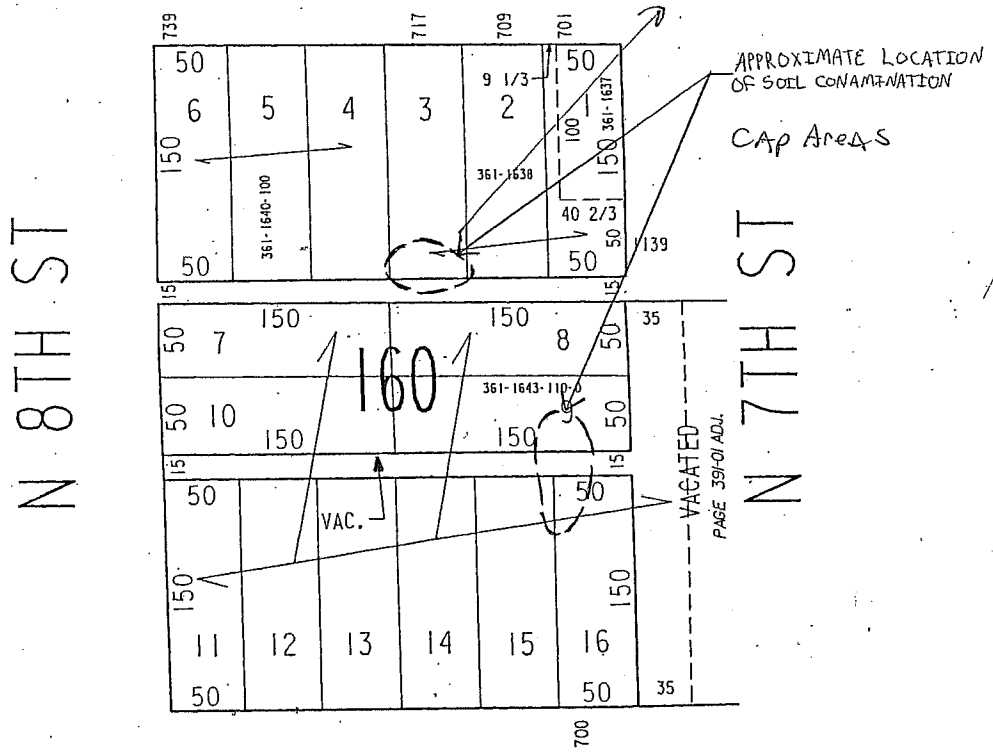
391-10
SCALE 1"=80'

PLAT OF EAST HALF OF
NW 1/4 SEC. 29, ETC.

OCT 26 1995

W JUNEAU AV

709 Thru 717
W. Juneau



W HIGHLAND AV

NW 29-7-22
ATLAS P. 391

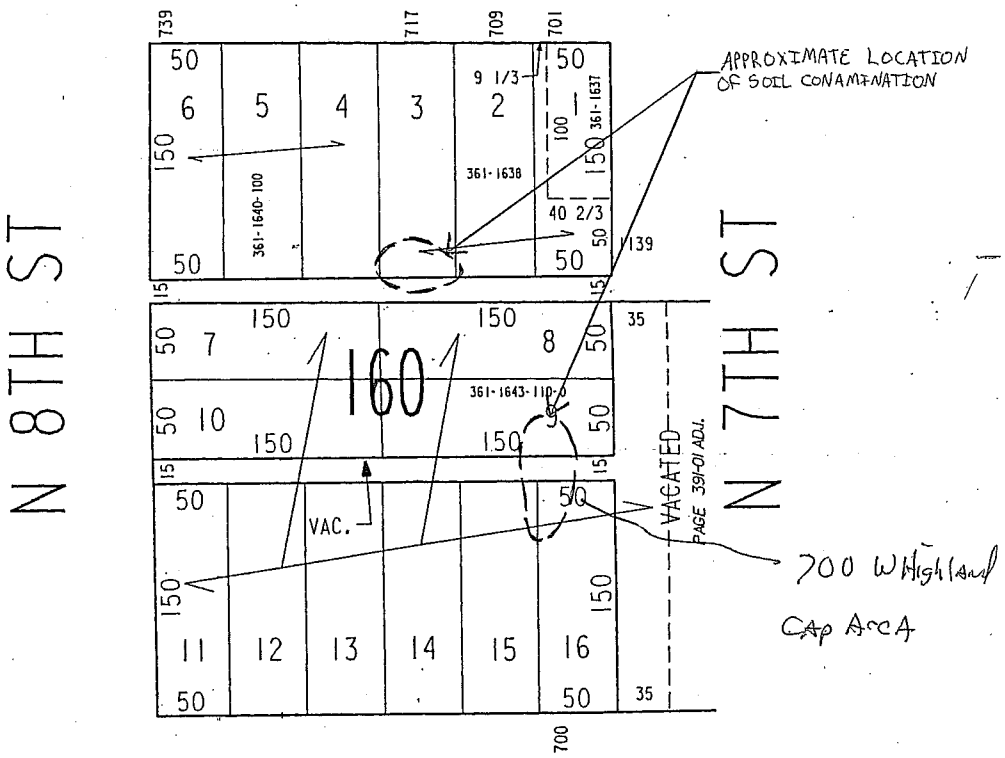
361

391-10
SCALE 1"=80'

PLAT OF EAST HALF OF
NW 1/4 SEC. 29, ETC.

OCT 26 1995

W JUNEAU AV

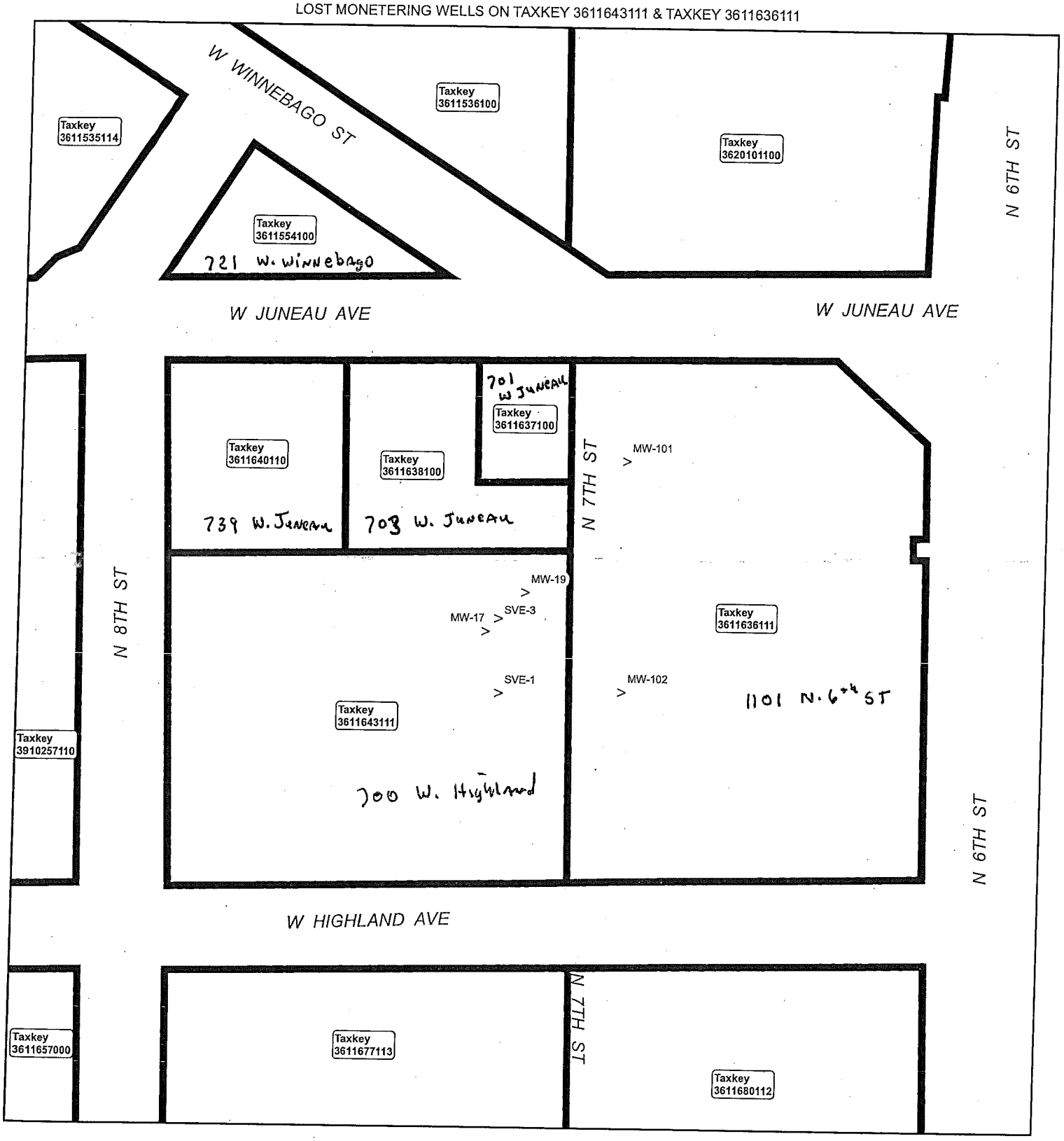


W HIGHLAND AV

96-019

07-20-95
ASSESSOR'S OFFICE
CITY OF MILWAUKEE

LOST MONETERING WELLS ON TAXKEY 3611643111 & TAXKEY 3611636111



75 37.5 0 75 150 225 300 Feet

Assumed Location

MW-17 Buried under current building.
MW-19 Buried under sidewalk west of 7th street.
SVE-1 In access panel in MATC hallway. Unable to open.
SVE-3 In access panel in MATC hallway. Unable to open.
MW-101 In grassed area east of 7th street.
MW-102 In grassed area east of 7th street.

PREPARED BY: MILWAUKEE COUNTY
DWG: SJH
DATE:12/27/06
BRRTS:03-41-004898, 03-41-201378, 03-41-002633, 02-41-000668

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
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TTY Access via relay - 711

October 6, 2005

Mr. Sean Hayes
Milwaukee County DPPI - Environmental Services
2711 West Wells Street #221
Milwaukee, WI 53208

Subject: Conditional Closure Letter for Fleet Operations Facility, 721 West Winnebago Street, 709 thru 717 West Juneau Avenue, and 700 West Highland Avenue, Milwaukee, WI

FID: 241132650
BRRTS: 03-41-004898, 03-41-201378, 03-41-~~02633~~ 002633, 02-41-000668
PECFA: 53205-2556-21

Dear Mr. Hayes:

On October 4, 2005, the Wisconsin Department of Natural Resources ("the Department") reviewed your request for closure of the case described above. The Department 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 Department has determined that the soil and groundwater contamination on the site from the former underground storage tanks that was located on the property appears to have been investigated and remediated to the extent practicable under site conditions. Your case meets the screening criteria of s. NR 746.07 or s. NR 746.08, Wis. Adm. Code, and the requirements of ch. NR 726, Wis. Adm. Code and will be closed if the following conditions are satisfied:

1. Monitoring Well Abandonment: The monitoring wells, soil vapor extraction system wells, air sparging wells, and other remediation system 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 the Department Form 3300-5B found at www.dnr.state.wi.us/org/water/dwg/gw/, within 60-days on receipt of this letter as required in s. NR 726.05(8)(a)1, and s. NR 141.25 Wis. Admin. Code. The Department requires the abandonment of these wells before issuing a final closure letter.

2. The Department has received the Draft Deed Restrictions (3) and Cap maintenance Plan (2) for the above described properties. After the Department of Natural Resources has reviewed and approved the draft documents for completeness, you should sign it if you own the property, or have the appropriate property owner sign it, and have it recorded by the Milwaukee County Register of Deeds office. Then you must submit a copy of the recorded document, with the recording information stamped on it, to me. Please be aware that if a deed restriction is recorded for the wrong property because of an inaccurate legal description or parcel identification number that you have provided, you will be responsible

for recording corrected documents at the Register of Deeds Office to correct the problem. This must be completed within 90-days after conditional case closure (this letter) is granted per s. NR 726.05(8)(b), Wisconsin Administrative Code.

3. Resubmit a groundwater flow direction map and benzene isoconcentration map based on the last groundwater sampling. The two maps (digital reproductions) that were provided in the last submittal did not clearly show the properties associated with neither the groundwater contamination plume boundaries nor the values for the inferred concentration lines (see enclosed maps).

4. A table or tables of the soil analytical results for the areas where there is soil contamination left in-place. This should be coordinated with the Approximate Location Soil Contamination maps that were provided as an attachment with the Draft Deed Restrictions.

5. Resubmit the Approximate Location Soil Contamination maps that were included with the Draft Deed Restrictions, indicating the value of the inferred concentration (dashed line).

6. A copy of the "Plan" or letter to the City of Milwaukee that addresses the paved over groundwater monitoring well MW-19.

7. Submit a responsible party certified statement that the legal descriptions are complete and accurate.

8. Submit the GPS Coordinates (meters in WTM91 projection) for the source and all offsite properties affected by soil and groundwater contamination.

9. A copy of the letters sent by the RP to all owners of properties with groundwater exceeding ESs as required by s. NR 726.05(3)(a)4g Wisconsin Administrative Code.

10. A copy of all written notifications provided (to city/village/municipality/state agency or other responsible party for maintenance) of a public street or highway or railroad right-of-way for contamination exceeding groundwater ESs and/or soil exceeding generic or site specific RCLs.

Enclosed is a Checklist of Documents for GIS Registry Packet for your future use and reference.

Final closure for your case will be completed when the above conditions have been satisfied. 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.

FID and BRRTS Numbers

The Department has eliminated FID number **241499610** and transferred the BRRTS activity numbers **03-41-02633 and 02-41-000668** to FID number **241132650**. This has simplified the Departments location of the physical and electronic files. Please make a note of this change for future correspondence related to this case.

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.

If you have any questions or comments, please feel free to contact me at the above address or at (414) 263-8644. Please refer to the FID number at the top of this letter in any future correspondence. Future correspondence should be sent directly to the Remediation and Redevelopment Program Assistant Vicky Stovall (414-263-8688) at the above address.

Sincerely,

John J. Hnat, P. G.
Senior Hydrogeologist
Southeast Region
Remediation and Redevelopment

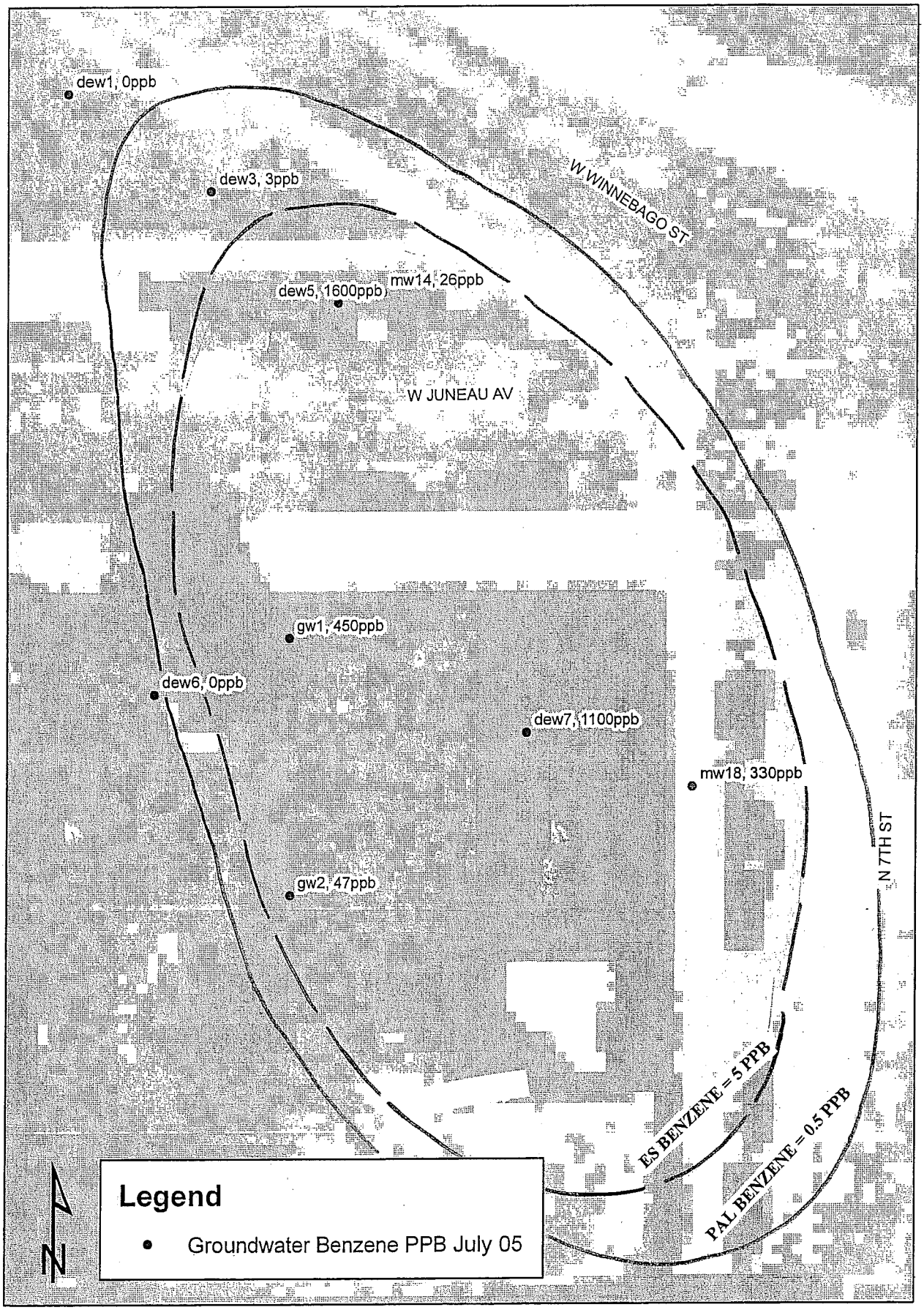
Enclosures: Groundwater Benzene PPB July 05 map
Groundwater Depth (FT) Jan 05 map
Checklist of Documents for GIS Registry Packet, PUB-RR-688, dated June 2004

C: Linda Michalets, Commerce
WDNR SER Files

721 W. Winnebago St. Milwaukee WI

BRRTS: 03-41-004898, 03-41-204378, 03-41-002633, 02-41-000668

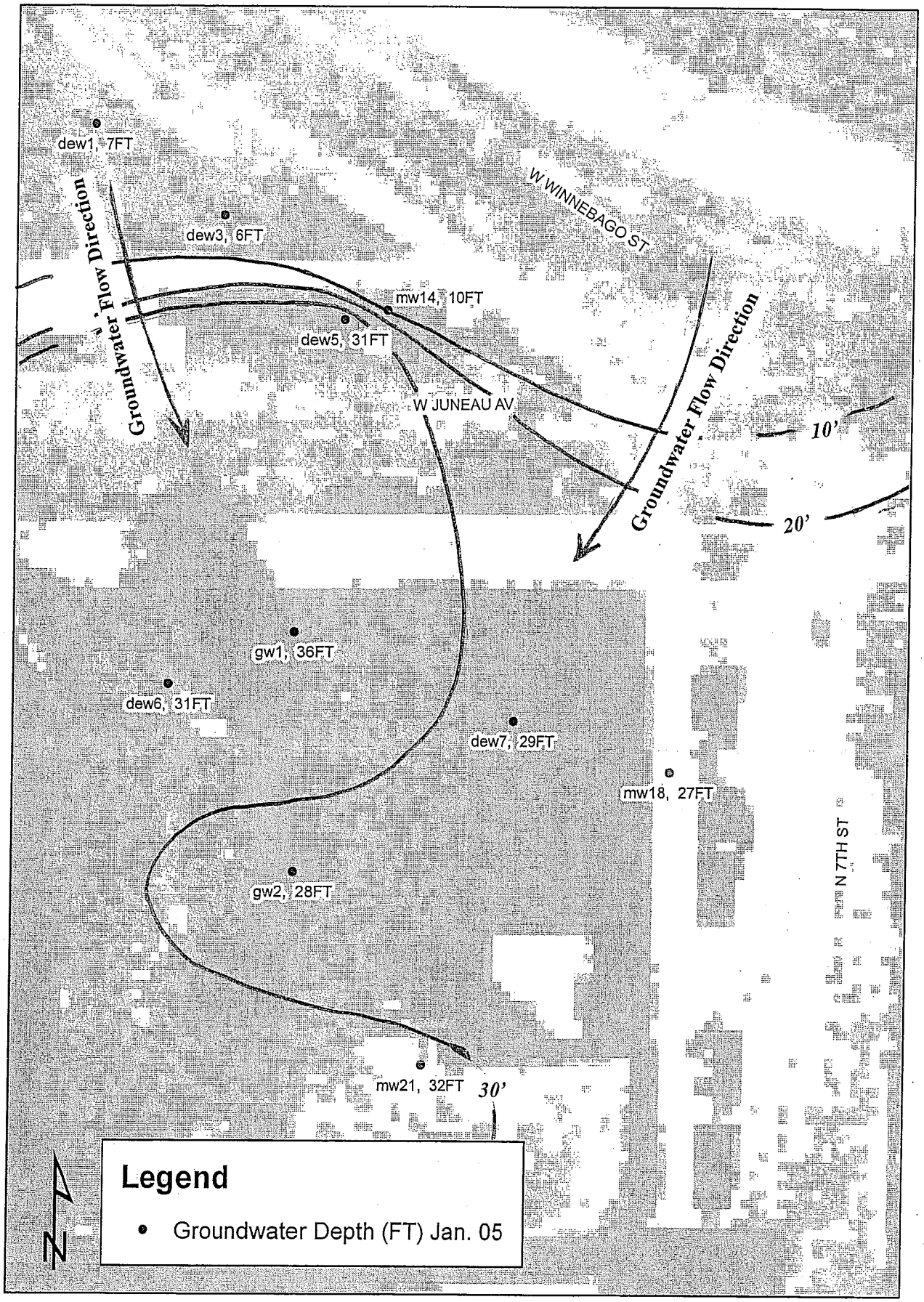
Commerce: 53205-2556-22-A, 53205-2556-22-B, 53233-1416-03-A



721 W. Winnebago St. Milwaukee WI

BRRTS: 03-41-004898, 03-41-204378, 03-41-002633, 02-41-000668

Commerce: 53205-2556-22-A, 53205-2556-22-B, 53233-1416-03-A



DOCUMENT NO.

WARRANTY DEED
FORM 855

THIS SPACE RESERVED FOR RECORDING DATA

5777072

REGISTER'S OFFICE
Milwaukee County, Wis. } ss
RECORDED AT 10 30 AM

JAN - 2 1985

REEL 1713 IMAGE 984

REGISTER OF DEEDS

RETURN TO

Box 285

JAN-2-85 381611 • 5777072 B CH REC **4.00

THIS INDENTURE, Made this ..... day of December, A. D., 19 84, between Milwaukee Area Vocational, Technical and Adult Education District

a Corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Milwaukee Wisconsin, party of the first part, and Milwaukee County

a Corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Milwaukee, Wisconsin, party of the second part.

Witnesseth, That the said party of the first part, for and in consideration of the sum of One ($1.00) dollar and other good and valuable consideration

to it paid by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, has given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents does give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said party of the second part, its successors and assigns forever, the following described real estate situated in the County of Milwaukee and State of Wisconsin, to-wit:

Lots 1, 2 and 3, Block 130, in PLAT OF THE TOWN OF MILWAUKEE ON THE WEST SIDE OF THE RIVER, in the South West 1/4 of Section 20, Township 7 North, Range 22 East, in the City of Milwaukee, County of Milwaukee and State of Wisconsin.

Tax Key No. 361-1554-100

FEE
77.25(2)
EXEMPT

APPROVED FOR DESCRIPTION
COUNTY D. P. W.

(IF NECESSARY, CONTINUE DESCRIPTION ON REVERSE SIDE)

Together with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining; and all the estate, right, title, interest, claim or demand whatsoever, of the said party of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises, and their hereditaments and appurtenances.

To Have and to Hold the said premises as above described with the hereditaments and appurtenances, unto the said party of the second part, and to its successors and assigns FOREVER.

And the said Milwaukee Area Vocational, Technical and Adult Education District party of the first part, for itself and its successors, does covenant, grant, bargain and agree to and with the said party of the second part, its successors and assigns, that at the time of the ensealing and delivery of these presents it is well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that the same are free and clear from all incumbrances whatever, except municipal and zoning ordinances, easements and restrictions of record, if any

and that the above bargained premises in the quiet and peaceable possession of the said party of the second part, its successors and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, it will forever WARRANT and DEFEND.

In Witness Whereof, the said Milwaukee Area Vocational, Technical and Adult Education Dist. party of the first part, has caused these presents to be signed by Jean DiMotto, its President, and countersigned by Patricia Karthauser, its Secretary, at Milwaukee Wisconsin, and its corporate seal to be hereunto affixed, this 27th day of December, A. D., 19 84.

SIGNED AND SEALED IN PRESENCE OF

Dwayne Partain

Margaret Chelka

Milwaukee AreaVocational, Technical and Adult Education District
Corporate Name

Jean DiMotto
President

COUNTERSIGNED:
Patricia Karthauser
Secretary

State of Wisconsin, } ss.
..... County.

Personally came before me, this 27th day of December, A. D., 1984, Jean DiMotto, President, and Patricia Karthauser, Secretary of the above named Corporation, to me known to be the persons who executed the foregoing instrument, and to me known to be such President and Secretary of said Corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of said Corporation, by its authority.

Jean L. Perrin
Notary Public, Milwaukee County, Wis.
My commission (expires) (is) 8-25-85

THIS INSTRUMENT WAS DRAFTED BY
MILWAUKEE COUNTY
Division of Professional Services

LL:em
12/10/84

(Section 59.51 (1) of the Wisconsin Statutes provides that all instruments to be recorded shall have plainly printed or typewritten thereon the names of the grantors, grantees, witnesses and notary. Section 59.513 similarly requires that the name of the person who, or governmental agency which, drafted such instrument, shall be printed, typewritten, stamped or written thereon in a legible manner.)

WARRANTY DEED Corporation to Corporation FORM No. 855 Wisconsin Legal Blank Co., Inc. Milwaukee, Wis.

REEL 3626 IMAGE 1319

DOCUMENT NO.	WARRANTY DEED	THIS SPACE RESERVED FOR RECORDING DATA

7124781
REGISTER'S OFFICE
Milwaukee County, WI } ss 2:50 PM
RECORDED AT
SEP 12 1995
REEL 3626 IMAGE 1319 1320
REGISTER OF DEEDS

This Deed, made between Pabst Brewing Company

, Grantor,

and Milwaukee Area Technical College District

, Grantee,

Witnesseth, That the said Grantor, for a valuable consideration conveys to Grantee the following described real estate in Milwaukee County, State of Wisconsin:

RETURN TO: John W. Daniels, Jr., Esq.
Quarles & Brady
411 E. Wisconsin Avenue
Milwaukee, Wisconsin 53202
BOX 218

Tax Parcel No. 361-1638-x

TRANSFER
$ 1,080.00
FEE

Lot 1, except the East 40 2/3 feet of the North 100 feet thereof, and all of Lots 2 and 3, in Block 160, in the Plat of the East 1/2 of the Northwest 1/4 of Section 29, in Township 7 North, Range 22 East, in the City of Milwaukee.

7124781 #
RECORD 12.00
RTX 1080.00

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

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

See Exhibit A attached hereto and made a part hereof

and will warrant and defend the same.

Dated this 7th day of September, 19 95.

Pabst Brewing Company

By: [signature] Ex. V.P. (SEAL)
• And General Counsel

By: Eugene J. Toler (SEAL)
• Assistant Corporate Secretary

(SEAL)
•

(SEAL)
•

AUTHENTICATION

Signature(s)

authenticated this day of , 19

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

THIS INSTRUMENT WAS DRAFTED BY

Eugene J. Toler, Esq.

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

ACKNOWLEDGMENT

STATE OF ~~WISCONSIN~~ CALIFORNIA)
) ss.
MARIN County)

Personally came before me this 7th day of September, 1995, the above named William Bowing, Executive Pres and General Counsel and Eugene J. Toler, Assistant Corporate Secretary

to me known to be the persons who executed the foregoing instrument and acknowledged the same.

[signature]
Notary Public Marin County, CA

My Commission is not permanent. (If not, state expiration date: 9/18, 19 97.)

State Bar of Wisconsin Form 1-1982

QB1\252343.

1800

UNETTE JACKSON
COMM. #997876
Notary Public — California
MARIN COUNTY
My Comm. Expires SEP 18, 1997

REEL 3626 IMAGE 1320

EXHIBIT A

PERMITTED ENCUMBRANCES

Covenants, conditions and restrictions, as contained in Redevelopment Area Plan for the North 8th Street-West Juneau Avenue Redevelopment Project, and recorded in the Register of Deeds office for Milwaukee County, on November 18, 1988, on Reel 2276, Image 1917, as Document No. 6229622.

Redevelopment Plan for the Amendment No. 1 for the North 8th Street-West Juneau Redevelopment Project Area and recorded in the Register of Deeds office for Milwaukee County, on June 4, 1993, on Reel 3048, Image 394-399 inclusive, as Document No. 6773871.

REEL 3336 IMAGE 839

DOCUMENT NO.

STATE BAR OF WISCONSIN FORM 1 — 1982
WARRANTY DEED

THIS SPACE RESERVED FOR RECORDING DATA

6980986
REGISTER'S OFFICE } ss
Milwaukee County, WI
RECORDED AT 1:00 PM
JUL 22 1994
REEL 3336 IMAGE 839; 0841 INCL
REGISTER OF DEEDS

This Deed, made between Redevelopment Authority of the City of Milwaukee, a public body corporate and politic, Grantor, and Milwaukee Area District Board of Vocational, Technical & Adult Education, Grantee,

Witnesseth, That the said Grantor, for a valuable consideration One Million Nine Hundred Ten Thousand and NO/100ths conveys to Grantee the following described real estate in Milwaukee County, State of Wisconsin:

RETURN TO John Daniels, Jr. 364
Quarles & Brady, S.C. 218
411 East Wisconsin Ave.
Milwaukee, WI 53202

Tax Parcel No: 361-1649-111-1
and 361-1643-100-3

See attached legal description
attached hereto as Exhibit "A"

6980986 #
RECORD 14.00

FEE
77.25 (2)
EXEMPT

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

Together with all and singular the hereditaments and appurtenances thereunto belonging;
And Redevelopment Authority of the City of Milwaukee warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except

SEE EXHIBIT "B" ATTACHED HERETO AND MADE PART HEREOF

and will warrant and defend the same.

Dated this 19TH day of JULY, 19 94

Redevelopment Authority of the City of Milwaukee

(SEAL)

Paul F. Petranech (SEAL)

(SEAL)

Michael Morgan (SEAL)

AUTHENTICATION

Signature(s)

authenticated this day of, 19

TITLE: MEMBER STATE BAR OF WISCONSIN

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

THIS INSTRUMENT WAS DRAFTED BY

City of Milwaukee (Harry A. Stein)

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

ACKNOWLEDGMENT

STATE OF WISCONSIN } ss.
Milwaukee County.

Personally came before me this 19 day of July, 19 94 the above named Paul F. Petranech and Michael L. Morgan to me known to be the person s who executed the foregoing instrument and acknowledge the same.

Mary Jane Champagne

Notary Public Milwaukee County, Wis.
My Commission is permanent. (If not, state expiration date: Oct. 30, 1994.)

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

14CC

WARRANTY DEED

STATE BAR OF WISCONSIN
FORM No. 1 — 1982

Wisconsin Legal Blank Co. Inc.
Milwaukee, Wis.

EXHIBIT "A"

Lots 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16, together with the North 1/2 of the vacated alley adjoining said Lots 9 and 10 on the South, and the South 1/2 of the vacated alley adjoining Lots 11, 12, 13, 14, 15 and 16 on the North, in Block 160, in the Plat of the East 1/2 of the Northwest 1/4 of Section 29, in Township 7 North, Range 22 East, in the City of Milwaukee.

Tax Key Nos.: 361-1649-111-1 and 361-1643-100-3

EXHIBIT "B"

MILWAUKEE PROPERTY PERMITTED ENCUMBRANCES

1) Covenants, conditions and restrictions, as contained in Project Area Plan for the North 8th Street-West Juneau Avenue Redevelopment Project, and recorded in the Register of Deeds Office for Milwaukee County, on November 18, 1988, on Reel 2276, Image 1917, as Document No. 6229622 and Amendment No. 1 for the North 8th Street-West Juneau Avenue Redevelopment Project Area, recorded in the Register of Deeds Office for Milwaukee County on June 4, 1993, on Reel 3048, Image 394, as Document No. 6773871.

2) Easement granted to Wisconsin Electric Power Company and Wisconsin Telephone Company, as recorded in the Register of Deeds Office for Milwaukee County, on May 26, 1961, in Volume 4142 of Deeds, on Page 39, as Document No. 3881008.

The description of the easement area in the foregoing document is general in nature and is not sufficient for determination of what portion of the subject premises, of any, it affects.

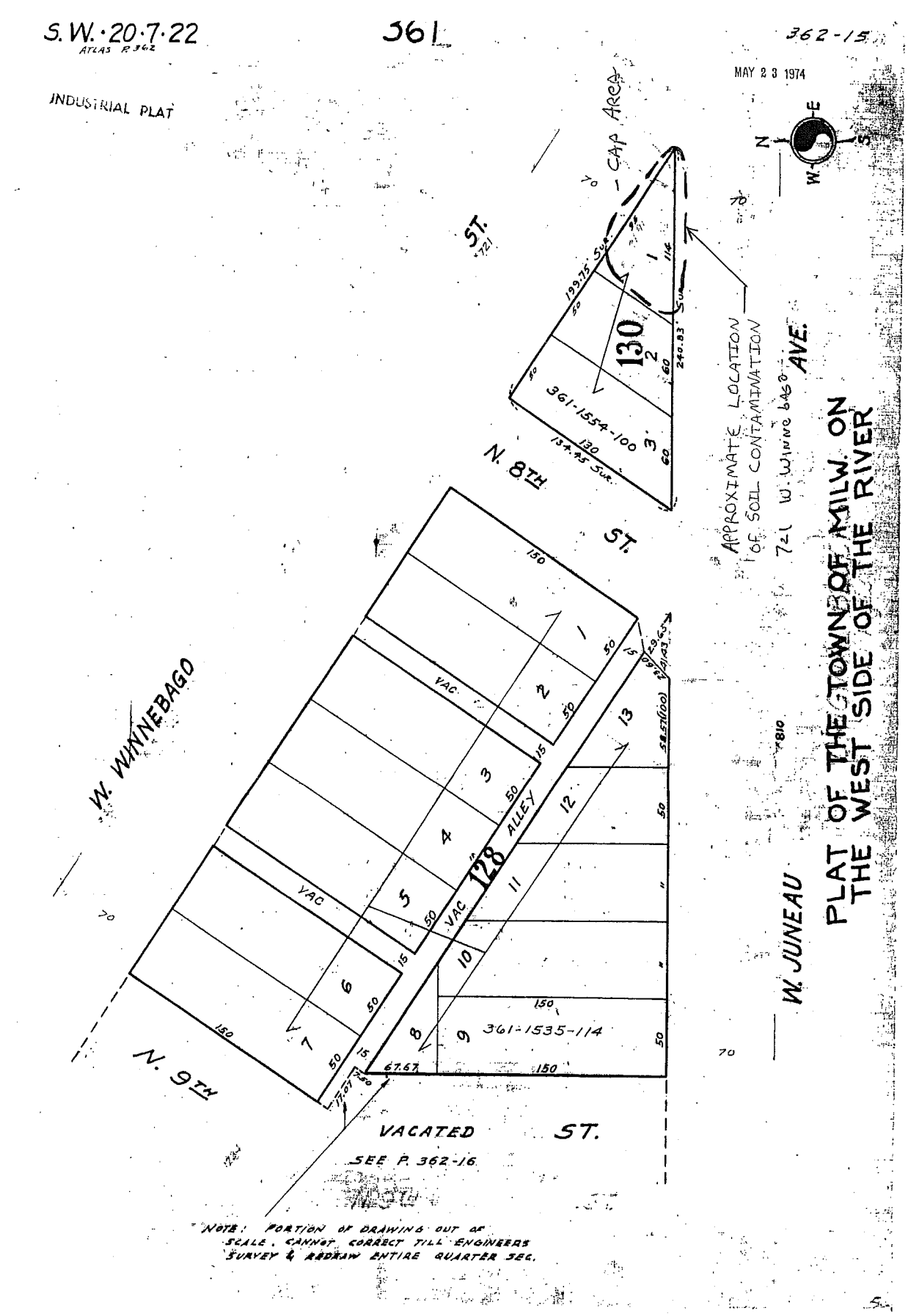
S.W.·20·7·22
ATLAS P 362

361

362-15

INDUSTRIAL PLAT

MAY 2 3 1974



NOTE: PORTION OF DRAWING OUT OF SCALE. CANNOT CORRECT TILL ENGINEERS SURVEY & REDRAW ENTIRE QUARTER SEC.

NW 29-7-22
ATLAS P. 391

361

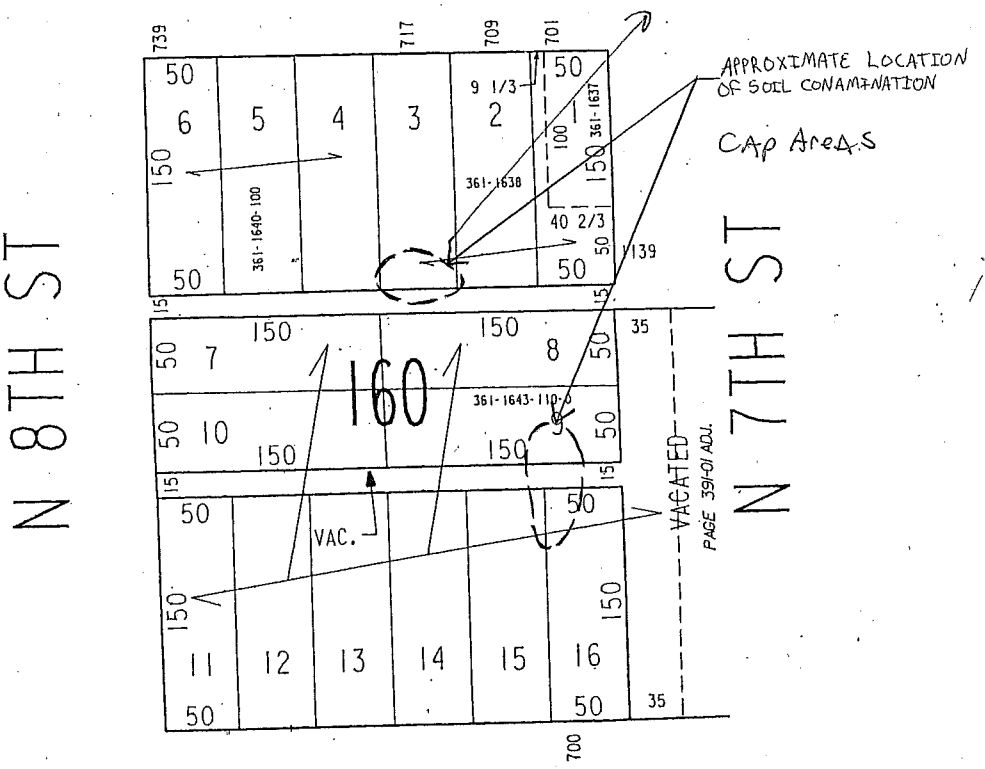
391-10
SCALE 1"=80'

PLAT OF EAST HALF OF
NW 1/4 SEC. 29, ETC.

OCT 26 1995

W JUNEAU AV

709 Thru 717
W. Juneau



W HIGHLAND AV

96-019

07-20-95
ASSESSOR'S OFFICE
CITY OF MILWAUKEE

NW 29-7-22
ATLAS P. 391

361

391-10
SCALE 1"=80'

N
W E
S

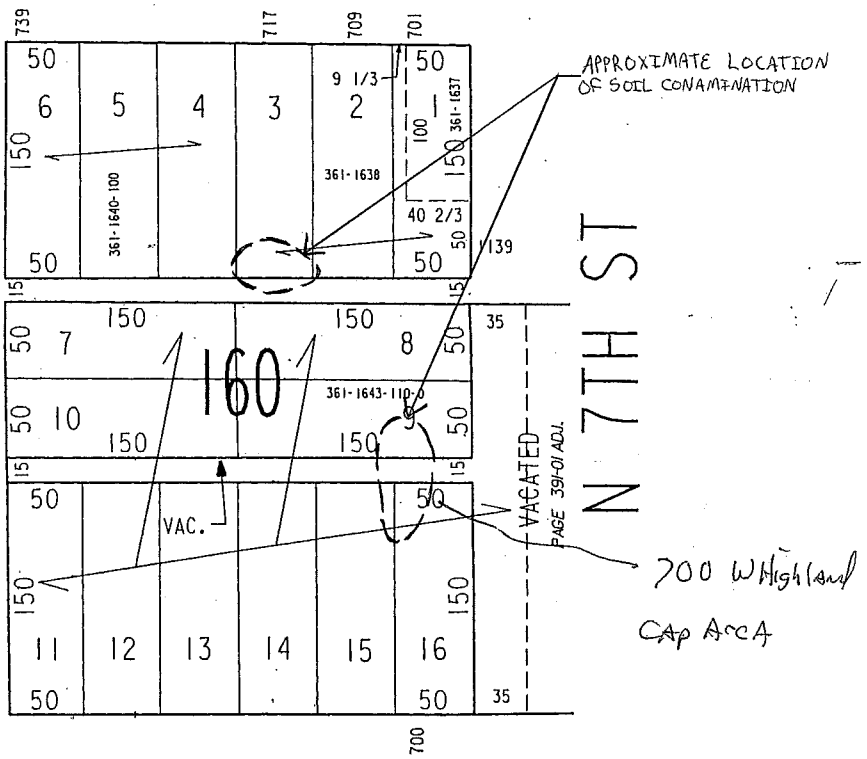
OCT 26 1995

PLAT OF EAST HALF OF NW 1/4 SEC. 29, ETC.

W JUNEAU AV

N 8TH ST

N 7TH ST



W HIGHLAND AV

96-019

07-20-95
ASSESSOR'S OFFICE
CITY OF MILWAUKEE

R22E

T7N

NOTE
BASE MAP DEVELOPED FROM THE MILWAUKEE, WISCONSIN 7.5-MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP, DATED 1958, PHOTOREVISED 1971.

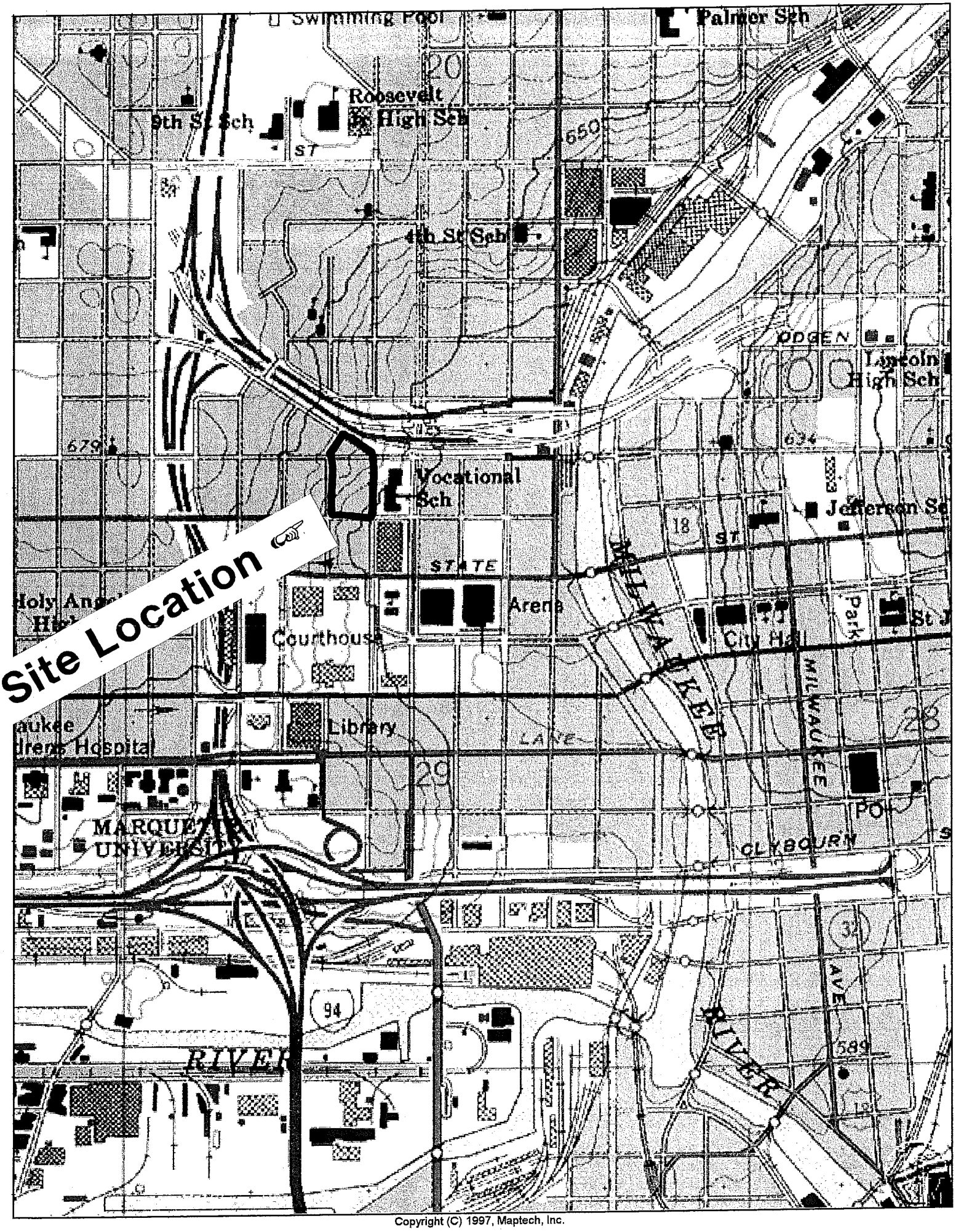
QUADRANGLE LOCATION

FIGURE 1

Developed By DRL	Drawn By CCM	SITE LOCATION MAP	Drawing Number 4230.0010 A1
Approved By	Date		
Reference		SITE INVESTIGATION MILWAUKEE COUNTY FLEET OP. FACILITY 721 WEST WINNEBAGO STREET MILWAUKEE, WISCONSIN	MONTGOMERY WATSON
Revisions			

QUALITY CONTROL | Graphic Standards CCM 3-29-95 | Lead Professional | Technical Review | Project Manager DRL 3-31-95 | Management Review | Other

This document has been developed for a specific application and may not be used without the written approval of Montgomery Watson.

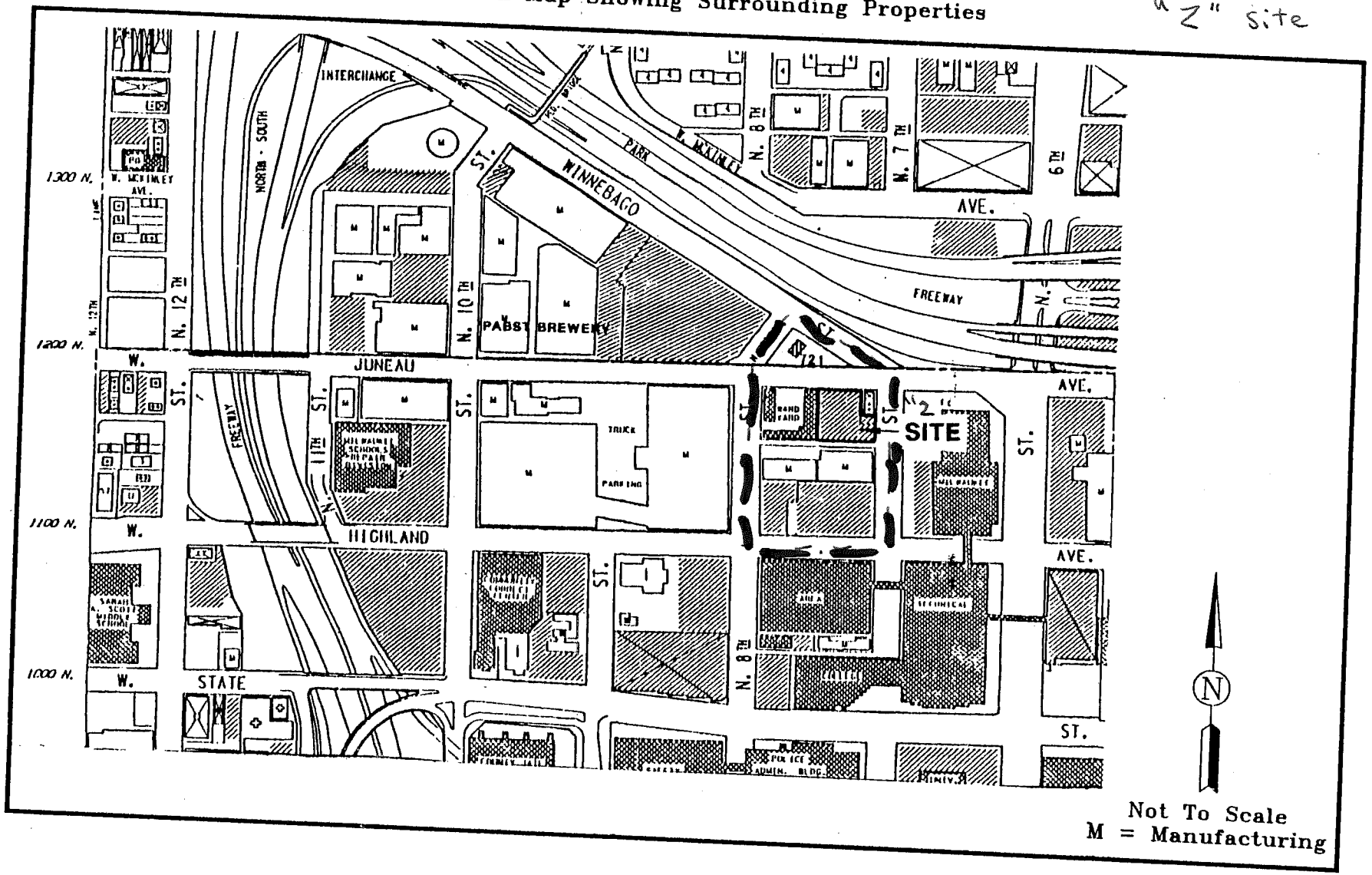


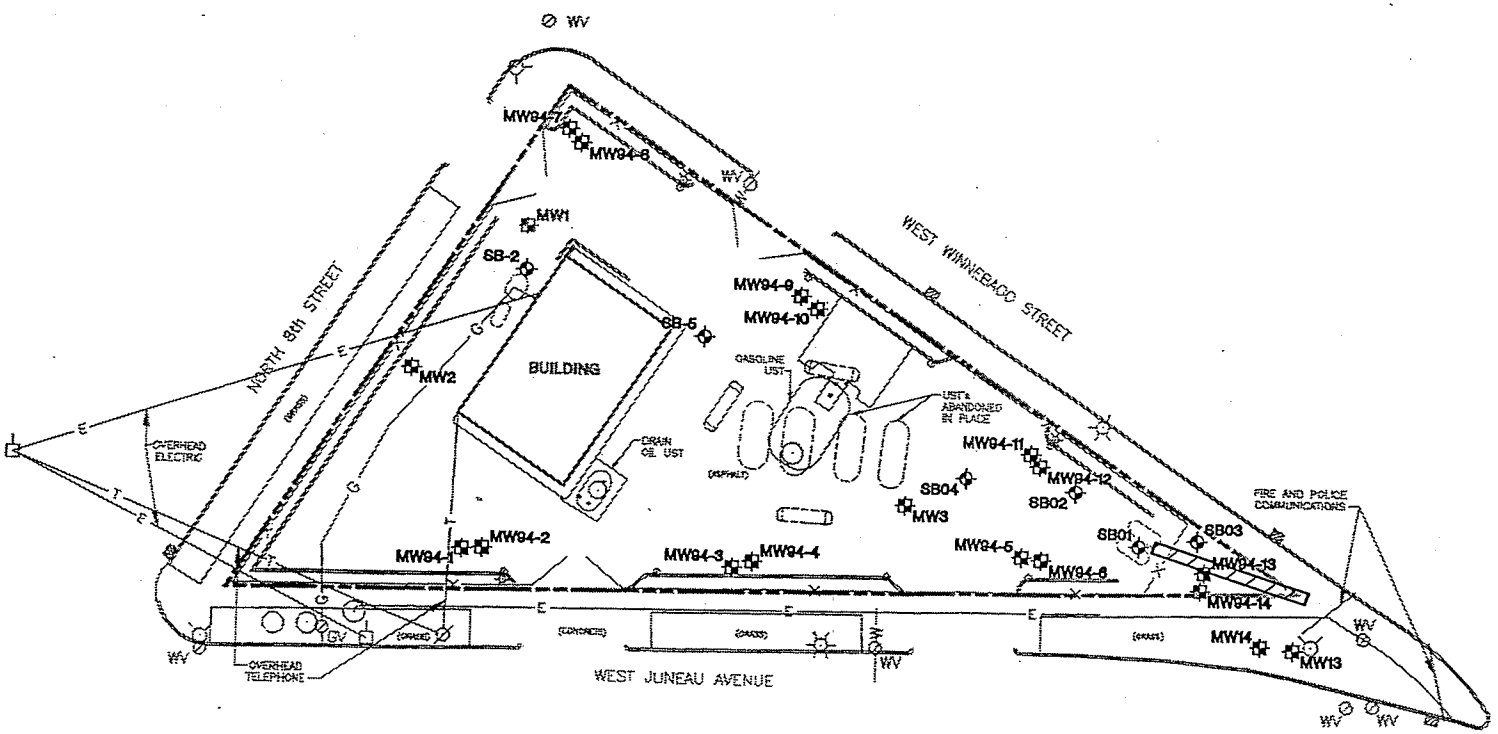
Copyright (C) 1997, Maptech, Inc.

Figure 2

Location Map Showing Surrounding Properties

"Z" Site





LEGEND

MW94-11	GROUNDWATER MONITORING WELL LOCATION AND NUMBER; INSTALLED FROM DECEMBER 1994 THROUGH FEBRUARY 1995
MW3	PREVIOUSLY EXISTING GROUNDWATER MONITORING WELL LOCATION AND NUMBER; INSTALLED BY OTHERS (MW1, MW2, MW3, MW13, MW14). WELL MW1 HAS BEEN ABANDONED
SB04	SOIL BORING LOCATION AND NUMBER (BORINGS SB-2 AND SB-5 PREVIOUSLY INSTALLED BY OTHERS
	TEST TRENCH LOCATION
	PUMP ISLAND
	FORMER PUMP ISLAND
	UNDERGROUND STORAGE TANK
	FORMER UNDERGROUND STORAGE TANK
	CATCH BASIN
	POWER POLE
	4" STEEL POST
	MANHOLE
	TELEPHONE POLE
	STREET LIGHT
	YARD LIGHT
	FIRE HYDRANT
GV	GAS VALVE
WV	WATER VALVE
—G—	UNDERGROUND GAS
—W—	UNDERGROUND WATER
—E—	OVERHEAD ELECTRIC
—T—	OVERHEAD TELEPHONE
—X—	FENCE LINE

NOTES

1. BASE MAP DEVELOPED FROM A SURVEY CONDUCTED BY TN & ASSOCIATES OF MILWAUKEE, WISCONSIN ON MARCH 13, 1995.

north

0 20 40

SCALE IN FEET

FIGURE 3

SOIL BORING, MONITORING WELL AND TRENCH LOCATION MAP

SITE INVESTIGATION
MILWAUKEE COUNTY FLEET OPERATION FACILITY
721 WEST WINNEBAGO STREET
MILWAUKEE, WISCONSIN

Drawing Number 4230.0010 B2

MONTGOMERY WATSON

Developed By DRL | Drawn By CCM | Approved By | Date 8/11/95 | Reference | Revisions

QUALITY CONTROL: Graphic Standards CCM 3-29-95 | Technical Review DRL 3-31-95 | Management Review | Lead Professional | PM Review | Other

TABLE 1
Groundwater Quality Test Results
Milwaukee County Fleet Maintenance Facility
721 West Winnebago Street, Milwaukee, WI

Dates	Benzene	Toluene	Ethylbenzene	Xylenes	TMB	MTBE	GRO
ES	5	1,000	700	10,000	480	60	-
PAL	0.5	200	140	1,000	96	12	-
DEW-1							
10/22/1998	*3.3*	4.6	0.7	4.3	1.18	<0.16	<50
12/28/2004	<0.5	<5	<5	<5	<10	<0.51	NT
7/5/2005	<0.25	<0.11	<0.22	<0.39	<0.44	<0.23	NT
DEW-2							
10/22/1998	0.3	0.68	0.2	0.9	0.6	<0.16	<50
12/20/2002	<0.5	<0.5	<0.5	0.54	<2	*<0.2*	NA
4/7/2003	<0.5	<0.5	<0.5	<0.5	<2	*<0.2*	NA
DEW-3							
10/22/1998	**440**	520	70	440	83	<1.6	3,200
1/29/1999	**230**	130	18	150	19.4	<0.8	1,200
4/30/1999	**380**	370	60	390	72	<0.98	2,700
8/2/1999	**140**	150	22	130	28.6	5	960
1/3/2000	6.5	3.2	0.72	5	2.19	6.5	<50
4/26/2000	<0.13	<0.2	<0.22	<0,23	<0.51	<0.16	<50
7/21/2000	**250**	370	27	200	46.7	2.1	1,700
10/19/2001	**27**	0.65	2.5	0.64	0.55	0.16	69
12/20/2002	<0.5	0.68	<0.5	0.63	<2.87	<0.2	NA
4/7/2003	2.58	<0.5	<0.5	<0.5	<2	<0.2	NA
12/28/2004	*1.95*	<5	<5	<5	<10	0.51	NA
7/5/2005	*2.6*	0.11	<0.22	<0.39	<0.44	<0.23	NA
DEW-4							
10/22/1998	**540**	**730**	100	600	115	<1.6	3,700
1/29/1999	**200**	110	13	130	17.3	<0.76	1,000
4/30/1999	**360**	310	37	380	66	<0.59	2,200
8/2/1999	**220**	210	44	250	74	13	1,900
1/3/2000	**17**	9.3	1.8	13	4.83	<0.16	<50
4/26/2000	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
7/21/2000	**160**	260	22	140	34.9	0.24	1,200
10/19/2001	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
12/20/2002	<0.5	0.547	0.5	1.85	<2.34	<0.2	NA
4/7/2003	<0.5	<0.5	<0.5	<0.5	<2	<0.2	NA
DEW-5							
10/22/1998	**2,200**	**1,600**	280	1,300	167	<16	8,200
1/29/1999	**150**	86	9.3	110	15.4	28	1,300
4/30/1999	**85**	110	13	120	26.3	<0.19	910
8/2/1999	**210**	210	75	310	94	14	1,900
1/3/2000	**160**	75	12	120	43.7	<0.8	980
4/26/2000	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
7/21/2000	**310**	130	7.9	150	51	<0.87	1,300
10/19/2001	**3,500**	**4,700**	0.22	**7,500**	**13,100**	16	110,000
12/20/2002	Not sampled due to presence of Free product (4" thick)						
4/7/2003	Not sampled due to presence of Free product (2" thick)						
12/28/2004	**2,310**	**2,250**	<1,000	*2,260*	**<1,696**	<102	NT
7/5/2005	**1,600**	**2,000**	*580*	*3,700*	**4,700**	<9.2	NT
DEW-6							
10/22/1998	**820**	**1,200**	130	840	160	<3.2	5,200
1/29/1999	**480**	330	38	360	53	21	1,800
4/30/1999	**91**	91	12	110	26.6	<0.8	760
8/2/1999	**260**	170	43	440	131	32	2,300
1/3/2000	**240**	81	16	170	64	<0.8	1,400
4/26/2000	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
7/21/2000	**120**	140	20	110	28.9	<0.79	990
10/19/2001	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
12/28/2004	<0.5	<5	<5	<5	<10	<0.51	NT
7/5/2005	<0.25	<0.11	<0.22	<0.39	<0.44	<0.23	NT

TABLE 1
Groundwater Quality Test Results
Milwaukee County Fleet Maintenance Facility
721 West Winnebago Street, Milwaukee, WI

Dates	Benzene	Toluene	Ethylbenzene	Xylenes	TMB	MTBE	GRO
ES	5	1,000	700	10,000	480	60	-
PAL	0.5	200	140	1,000	96	12	-
DEW-7							
10/22/1998	3,700	3,800	470	2,200	272	<16	15,000
1/29/1999	3,100	1,800	300	1,800	217	61	9,700
4/30/1999	1,900	1,900	210	1,100	121	<3.2	8,600
8/2/1999	1,100	1,100	180	770	118	28	5,600
1/3/2000	2,600	2,700	370	1,300	215	<6.4	15,000
4/26/2000	0.42	<0.2	<0.22	<0.23	<0.51	<0.16	<50
7/21/2000	62	65	12	460	<15	<3.2	8,200
10/19/2001	1,200	280	120	260	50.8	0.8	2,800
12/20/2002	1,390	111	145	319	64.4	<2.0	NA
4/8/2003	1,580	153	211	611	<130.8	<10	NA
12/28/2004	1,070	69.1	109	152	89.68	*33.5*	NA
7/5/2005	1,100	*220*	*180*	340	116.4	<4.6	NA
DEW-8							
10/22/1998	*0.68*	0.79	0.23	1.1	<0.6	<0.16	50
DEW-9							
10/22/1998	***200***	*270*	43	270	57	<0.8	1900
12/28/2004	*4.75*	<5	<5	<5	<10	0.51	NA
7/5/2005	<0.25	<0.11	<0.22	<0.39	<0.44	<0.23	NT
GW-1							
10/22/1998	300	250	38	190	23.4	<1.6	1,200
1/29/1999	1,100	670	100	740	100	37	4,400
4/30/1999	27	41	7	30	4.4	<0.16	230
8/2/1999	140	99	32	170	47	9.7	1,200
1/3/2000	210	140	36	150	55.7	<0.32	1,300
4/26/2000	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
7/21/2000	91	120	17	69	16	<3.2	13,000
10/19/2001	470	340	120	210	36	1.6	1,300
12/20/2002	572	712	164	448	140.9	<2.0	NA
4/7/2003	760	1,080	213	679	183.8	12.9	NA
12/28/2004	1,050	1,590	156	1,140	121.2	43.5	NA
7/5/2005	450	*380*	140	330	*108*	12	NA
GW-2							
10/22/1998	250	350	35	240	45	<0.8	2,100
1/29/1999	1,100	660	110	700	94	28	4,200
4/30/1999	600	460	78	460	72	<1.6	2,800
8/2/1999	290	270	39	210	48.9	8.9	1,700
1/3/2000	250	120	23	220	79	<0.8	1,700
4/26/2000	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
7/21/2000	660	870	69	490	93	<1.6	3,600
10/19/2001	130	700	230	1,900	1.6	3	1,900
12/20/2002	50.8	413	145	533	155.5	<2.0	NA
4/7/2003	135	614	214	745	214.9	14.6	NA
12/28/2004	44.8	324	68.5	293	65	18.1	NA
7/5/2005	47	300	92	410	89	<3.2	NA
GW-3							
10/22/1998	2,700	2,000	340	1,600	191	<16	10,000
1/29/1999	35	16	0.9	30	4.3	3.5	280
4/30/1999	460	390	65	400	67	<0.8	2,700
8/2/1999	240	240	42	220	57	9.9	1,800
1/3/2000	85	43	8.8	71	26.4	<0.8	650
4/26/2000	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
7/21/2000	110	130	14	84	18.7	<0.16	720
10/19/2001	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
12/20/2002	<0.5	<0.5	<0.5	0.52	<2.91	<0.2	NA
4/7/2003	<0.5	<0.5	<0.5	<0.5	<2	<0.2	NA

Stuck pump

TABLE 1
Groundwater Quality Test Results
Milwaukee County Fleet Maintenance Facility
721 West Winnebago Street, Milwaukee, WI

Dates	Benzene	Toluene	Ethylbenzene	Xylenes	TMB	MTBE	GRO
ES	5	1,000	700	10,000	480	60	-
PAL	0.5	200	140	1,000	96	12	-
EX-5							
10/22/1998	*0.93*	0.49	7.9	9.6	6.19	<0.16	160
EX-6							
10/22/1998	*48*	19	360	670	*730*	<3.2	8800
MW-101							
10/23/1998	<0.25	<0.2	<0.22	<0.23	<0.51	<0.16	<50
1/21/1999	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
4/29/1999	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
7/29/1999	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
11/17/1999	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
2/24/2000	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
4/25/2000	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
7/19/2000	0.14	<0.2	<0.22	<0.23	<0.51	<0.16	<50
10/18/2001	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
MW-102							
10/23/1998	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
1/20/1999	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
4/29/1999	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
7/29/1999	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
11/17/1999	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
2/24/2000	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
4/25/2000	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
7/19/2000	0.19	0.44	<0.22	0.56	<0.51	<0.16	<50
10/18/2001	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
MW-103							
10/23/1998	0.16	<0.2	<0.22	<0.23	<0.51	<0.16	<50
1/20/1999	0.24	<0.2	<0.22	<0.23	<0.51	<0.16	<50
4/29/1999	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
7/29/1999	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
11/17/1999	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
2/24/2000	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
4/25/2000	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
7/19/2000	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
10/18/2001	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
MW-104							
10/23/1998	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
1/20/1999	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
4/29/1999	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
8/2/1999	0.36	<0.2	<0.22	<0.23	<0.51	<0.16	<50
11/17/1999	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
2/24/2000	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
4/25/2000	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
7/19/2000	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
MW-94-11							
10/23/1998	<0.43	0.31	<0.22	0.36	<0.51	<0.16	<50
1/20/1999	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
4/29/1999	<0.13	<0.2	<0.22	0.33	<0.51	<0.16	<50
7/29/1999	<0.36	<0.2	<0.22	<0.23	<0.51	<0.16	<50
11/17/1999	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
2/24/2000	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
4/25/2000	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
7/19/2000	0.37	<0.2	<0.22	<0.23	<0.51	<0.16	<50
10/18/2001	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
MW-1							
10/23/1998	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50

TABLE 1
Groundwater Quality Test Results
Milwaukee County Fleet Maintenance Facility
721 West Winnebago Street, Milwaukee, WI

Dates	Benzene	Toluene	Ethylbenzene	Xylenes	TMB	MTBE	GRO
ES	5	1,000	700	10,000	480	60	-
PAL	0.5	200	140	1,000	96	12	-
MW-1							
1/20/1999	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
4/29/1999	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
7/9/1999	<0.36	<0.2	<0.22	<0.23	<0.51	<0.16	<50
11/17/1999	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
2/24/2000	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
4/25/2000	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
7/19/2000	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
10/18/2001	<0.13	<0.2	<0.22	<0.23	<0.51	<0.16	<50
MW-14							
10/23/1998	1,600	*540*	*170*	590	*209*	*34*	6,200
1/20/1999	1,100	*460*	*270*	660	*348*	***68***	7,700
4/29/1999	130	34	91	150	*135*	<3.2	2,300
7/29/1999	280	110	*240*	530	*512*	<5.6	8,800
11/17/1999	250	67	*230*	270	*266*	<3.2	7,400
2/25/2000	270	80	*150*	210	*356*	<1.6	4,400
4/25/2000	120	75	*150*	260	*389*	<1.6	4,000
7/19/2000	<0.65	46	*140*	260	*430*	<0.8	15,000
10/18/2001	42	11	35	32	*122.5*	<0.55	1,500
12/23/2002	270	52.1	54.9	95.6	*314*	*28.8*	NA
4/7/2003	178	41.5	47.8	67.5	*111*	1.75	NA
12/28/2004	41.8	<50	34	35.6	*<199*	*24.7*	NA
7/5/2005	26	2.8	12	12	76.2	<0.92	NA
MW-18							
10/23/1998	270	*360*	170	520	*157*	<2.7	4,600
1/21/1999	200	*280*	*170*	460	*146*	*50*	4,200
4/29/1999	300	*310*	*200*	520	*170*	<0.8	5,900
7/29/1999	350	*200*	*180*	510	*178*	<6.3	5,100
11/17/1999	260	*210*	*140*	420	*172*	<8	4,700
2/24/2000	250	*210*	*150*	370	*151*	<5.9	9,900
4/26/2000	320	*290*	*180*	470	*181*	<1.6	9,800
7/19/2000	270	*260*	*130*	410	*150*	<1.6	5,300
10/18/2001	260	*410*	*240*	560	*198*	<1.6	5,000
12/23/2002	301	*491*	*340*	851	*278.4*	<4.0	NA
4/7/2003	448	*379*	*402*	905	*317.5*	*42.5*	NA
1/28/2005	418	*450*	*348*	*1,010*	*443*	177	NA
7/5/2005	330	*210*	*300*	730	*268*	<6.1	NA
MW-19							
10/22/1998	260	79	*180*	260	71	<1.9	1800
MW-20							
1/20/1999	*12*	10	83	59	<162	11	2,600
4/29/1999	*15*	11	120	85	23	<15	4,000
7/29/1999	*12*	14	*190*	170	*209*	<2.9	6,900
11/17/1999	*47*	44	*300*	370	*252*	<3.2	11,000
2/25/2000	*22*	22	*200*	360	*<242*	<6.4	6,800
4/25/2000	*28*	22	*260*	460	*315*	<0.8	7,800
7/19/2000	<1.3	16	*240*	420	*317*	<2.2	7,400
10/18/2001	9.4	<7.8	29	240	*165*	<6.4	6,400
12/23/2002	2.27	6.13	92.6	194	*200.1*	7.72	NA
4/8/2003	Could not sampled due to bent PVC pipe						
MW-21							
10/23/1998	*1,100*	7.3	12	28	<12.5	<0.8	1,500
1/21/1999	*740*	19	7.7	27	13.3	<0.8	1,100
7/29/1999	*1,000*	4.8	7.3	29	<5.9	<0.8	1,300
11/17/1999	*660*	1.6	3.2	9.1	2.32	<0.16	800
2/25/2000	*5,900*	0.98	3.7	6.8	<1.59	<0.16	720

TABLE 1
Groundwater Quality Test Results
Milwaukee County Fleet Maintenance Facility
721 West Winnebago Street, Milwaukee, WI

Dates	Benzene	Toluene	Ethylbenzene	Xylenes	TMB	MTBE	GRO
ES	5	1,000	700	10,000	480	60	-
PAL	0.5	200	140	1,000	96	12	-
MW-21							
4/26/2000	*270*	1.6	3.1	6.2	<3.1	<0.8	450
7/19/2000	*280*	1.3	4.3	9.8	<3.8	<0.8	320
10/18/2001	*390*	*3.2*	4.1	14	3.09	<0.47	590
12/23/2002	*606*	5.04	3.36	43.7	9.05	<0.2	NA
4/7/2003	*334*	1.10	<0.5	2.33	<2	<0.2	NA
12/28/2004	717	<5	<5	7.62	<10	<0.51	NA

NOTES: *All Concentrations are in µg/ml (ppb)*
NA: Not Analyzed
ND: Nondetect
ES: Enforcement Standard
PAL: Preventive Action Limit
TMB: trimethylbenzene
MTBE: Methylterbutylether
PCE: Per (tetra)chloroethene
TCE: Trichlroethene
DCE: cis-1,2-Dichloroethene

K. SINGH & ASSOCIATES, INC.
Engineers, Scientists and Environmental Management Consultants

Table 2
Summary of Groundwater Quality Test Results for PAH Parameters
Milwaukee County Fleet Maintenance Facility, 721 W. Winnebago Street, Milwaukee, WI (Project #4470D)

Date	Sample No.	Anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Chrysene	Fluoranthene	Fluorene	Naphthalene	Pyrene
		ppb		ppb	ppb	ppb	ppb	ppb	ppb
1/28/2005	DEW-1	<5	<0.02	<0.02	<0.02	<5	<5	<5	<5
7/5/2005	DEW-1	<0.095	<0.080	<0.24	<0.10	<0.20	<0.16	<1.0	<0.11
1/28/2005	DEW-3	<5	<0.02	<0.02	<0.02	<5	<5	<5	<5
7/5/2005	DEW-3	<0.038	<0.032	<0.098	0.041	<0.081	<0.062	<0.40	<0.044
2/4/2005	DEW-5	<5	<0.02	<0.02	0.033	<5	<5	*26.2*	<5
7/5/2005	DEW-5	0.13	0.092	<0.098	0.26	2.2	9.7	120	0.59
1/28/2005	DEW-6	<5	<0.02	<0.02	<0.02	<5	<5	<5	<5
7/5/2005	DEW-6	<0.038	<0.032	<0.098	0.041	<0.081	<0.062	<0.40	<0.044
1/28/2005	DEW-7	<5	<0.02	<0.02	<0.02	<5	<5	<5	<5
7/5/2005	DEW-7	<0.038	<0.032	<0.098	0.041	<0.081	0.19	5.7	<0.044
1/28/2005	DEW-9	<5	<0.02	<0.02	<0.02	<5	<5	<5	<5
7/5/2005	DEW-9	<0.038	<0.032	<0.098	0.041	<0.081	<0.062	<0.40	<0.044
1/28/2005	GW-1	<5	<0.02	<0.02	0.054	<5	<5	**55.3**	<5
7/5/2005	GW-1	<0.038	<0.032	<0.098	0.041	<0.081	0.91	**120**	<0.044
1/28/2005	GW-2	<5	<0.02	<0.02	<0.02	<5	<5	*16.8*	<5
7/5/2005	GW-2	<0.038	<0.032	<0.098	0.041	<0.081	0.22	*19*	0.36
2/4/2005	MW-14	<5	<0.02	<0.02	<0.02	<5	<5	**41.5**	<5
7/5/2005	MW-14	<0.038	<0.032	<0.098	0.041	0.23	1	0.5	0.22
1/28/2005	MW-18	<5	<0.02	<0.02	<0.02	<5	<5	<5	<5
7/5/2005	MW-18	<0.038	<0.032	<0.098	0.041	<0.081	0.69	**59**	<0.44
1/28/2005	MW-21	<5.7	<0.023	<0.023	<0.023	<5.7	<5.7	<5.7	<5.7
NR 140 PAL		600	0.02	0.02	0.02	80	80	8	50
NR 140 ES		3,000	0.2	0.2	0.2	400	400	40	250

Note: PAL denotes Preventive Action Limit and ES denotes Enforcement Standards as per NR.140, March 1, 2000

Soil Boring Data
721 West Winnebago Street and 703 Juneau, Milwaukee, WI

Boring Number	Benzene ug/kg	DRO mg/kg	GRO mg/kg
SB01	260	69	ND
SB02	460	--	--
SB03	2100	50	ND
SB04	ND	12	--
SB-A	--	ND	41
SB-B	--	ND	ND
SB-C	ND	200	841
SB-D	--	ND	ND
SB-E	ND	144	11
SB-F	ND	ND	ND
SB-G	ND	111	ND
SB-H	ND	ND	858
SB-I	ND	ND	ND
SGB2	--	ND	ND
SGB3	--	56	900
SGB4	--	25	56
GSB-01	--	--	--
GSB-02	--	--	--
GSB-03	--	--	--
SGB1	--	ND	ND
B-1	2900	12	520
B-2	44	ND	22
B-3	ND	ND	ND
B-4	--	ND	ND
B-5	--	ND	ND
B-6	ND	ND	ND
B-7	ND	ND	ND
GB-1	ND	--	1440
GB-2	ND	ND	ND
GB-3	--	63	91
FSB-1	--	--	--
FSB-2	--	--	--
FSB-3	--	--	--
FSB-4	--	--	--
FSB-5	--	--	--
CB1	ND	--	--
CB2	ND	--	--
CB3	16 mg/kg TPH		
MW94-1	ND	ND	ND
MW94-2	--	--	--
MW94-3	ND	ND	ND
MW94-4	--	--	--
MW94-5	ND	ND	ND
MW94-6	1400	250	11
MW94-7	ND	ND	ND
MW94-8	--	--	--

Boring Number	Benzene ug/kg	DRO mg/kg	GRO mg/kg
MW94-9	ND	ND	ND
MW94-10	--	--	--
MW94-11	1200	140	ND
MW94-12	--	--	--
MW94-13	--	--	--
MW94-14	840	40	ND
MW-13	2640	ND	21
MW-14	--	--	--
MW-15	150	ND	ND
MW-16	--	--	--
MW-17	--	--	--
MW-18	120	ND	50
MW-19	60	ND	60
MW-20	--	--	--
MW-21	ND	151	ND
MW-22	380	119	45
MW-23	2990	ND	426
PMW-1	ND	--	ND
PMW-2	ND	--	ND
PMW-3	ND	1000	310
PMW-4	ND	200	ND
PMW-5	ND	80	340
MW1	ND	ND	ND
MW2	--	ND	ND
MW3	--	ND	ND
MW4	2900	13	520

APPENDIX J

FROM GAS STATION 1994

HISTORICAL AND CURRENT
SOIL SAMPLE LABORATORY RESULTS TABLE

EXTENT OF CONTAMINATION REMEDIAL INVESTIGATION
SEALMAN BLOCK

REPORT NUMBER	BORING NUMBER	SAMPLE DEPTH (BGS)	SAMPLE DATE	BORING DEPTH (BGS)	GRO (PPM)	DRO (PPM)	TPH (PPM)	TRPH (PPM)	BENZENE (PPM)	ETHYLBENZENE (PPM)	TOLUENE (PPM)	XYLENES (PPM)	MTBE (PPM)	LEAD (PPM)
D-25	SB-F	22-24	1/4/94	38-40	<10.0	<10.0	-	-	<0.05	<0.05	<0.10	<0.15	<0.05	51.0
D-25	SB-F	30-32	1/4/94	38-40	-	<10.0	-	-	<0.05	<0.05	<0.10	<0.15	<0.05	3.7
D-25	SB-F	38-40	1/4/94	38-40	<10.0	<10.0	-	-	<0.05	<0.05	<0.10	<0.15	<0.05	3.8
D-25	SB-G	16-18	1/6/94	38-40	<10.0	111	-	-	<0.05	<0.05	<0.10	<0.15	<0.05	6.4
D-25	SB-G	38-40	1/6/94	38-40	<10.0	<10.0	-	-	<0.05	<0.05	<0.10	<0.15	<0.05	4.7
D-25	SB-H	14-16	1/7/94	38-40	858	<10.0	-	-	<0.05	11.80	1.39	35.00	0.51	5.5
D-25	SB-H	38-40	1/7/94	38-40	<10.0	<10.0	-	-	0.23	0.07	0.49	0.33	<0.05	4.0
D-25	SB-I	14-16	1/7/94	34-36	<10.0	<10.0	-	-	<0.50	<0.50	0.14	2.80	<0.05	7.9
D-25	SB-I	34-36	1/7/94	34-36	<10.0	<10.0	-	-	<0.50	<0.50	<0.10	<0.15	<0.05	5.1
D-25	MW-13	12-14	12/23/93	40-42	11.9	<10.0	-	-	2.64	0.43	0.63	2.26	<0.6	8.9
D-25	MW-13	16-18	12/23/93	40-42	31.3	<10.0	-	-	4.02	1.14	0.82	1.93	<0.05	3.7
D-25	MW-13	38-40	12/23/93	40-42	37.7	<10.0	-	-	2.50	0.89	4.43	5.29	<0.05	4.2
D-25	MW-13	40-42	12/23/93	40-42	346	<10.0	-	-	4.58	5.11	15.30	27.56	<0.05	3.6
D-25	MW-15	22-24	12/27/93	38-40	<10.0	<10.0	-	-	0.15	0.14	0.08	0.49	<0.05	3.4
D-25	MW-15	26-28	12/27/93	38-40	<10.0	<10.0	-	-	0.98	0.05	0.16	<0.15	<0.05	3.4
D-25	MW-15	38-40	12/27/93	38-40	10.6	<10.0	-	-	0.32	1.10	1.29	2.50	<0.05	3.8
D-25	MW-17	10-12	12/28/93	34-36	22.6	<10.0	-	-	0.08	0.10	0.27	0.83	<0.08	12.0
D-25	MW-17	14-16	12/28/93	34-36	356	186	-	-	<0.07	5.05	0.68	9.74	<0.07	4.5
D-25	MW-17	16-18	12/28/93	34-36	<10.0	<10.0	-	-	<0.05	<0.05	<0.10	0.76	<0.05	4.2
D-25	MW-17	34-36	12/28/93	34-36	<10.0	<10.0	-	-	<0.05	<0.05	<0.10	<0.15	<0.05	4.0
D-25	MW-18	20-22	12/29/93	38-40	50.9	<10.0	-	-	0.12	0.70	0.87	3.19	<0.05	10.0
D-25	MW-18	22-24	12/29/93	38-40	<10.0	<10.0	-	-	0.10	0.17	0.19	0.57	<0.05	3.8
D-25	MW-18	28-30	12/29/93	38-40	32.2	<10.0	-	-	0.22	0.63	0.65	3.26	<0.05	<2.5
D-25	MW-18	38-40	12/29/93	38-40	<10.0	<10.0	-	-	0.09	0.23	0.65	0.34	<0.05	<2.5
D-25	MW-19	18-20	12/30/93	32-34	60.3	<10.0	-	-	0.06	2.42	0.29	5.41	<0.05	2.7
D-25	MW-19	32-34	12/30/93	32-34	<10.0	<10.0	-	-	<0.05	<0.05	<0.10	<0.15	<0.05	5.6
D-25	MW-21	20-22	1/13/94	40-42	<10.0	151	-	-	<0.05	<0.05	<0.10	<0.15	<0.05	8.8
D-25	MW-21	40-42	1/13/94	40-42	<10.0	<10.0	-	-	0.11	<0.05	<0.10	<0.15	<0.05	3.8
D-25	MW-22	22-24	1/20/94	48-50	<10.0	<10.0	-	-	0.38	<0.06	0.13	<0.15	<0.06	7.3
D-25	MW-22	28-30	1/20/94	48-50	45.1	119	-	-	0.91	0.57	0.69	2.98	<0.5	4.5
D-25	MW-22	40-42	1/20/94	48-50	<10.0	<10.0	-	-	2.00	<0.50	<0.10	<0.15	<0.50	3.3
D-25	MW-22	48-50	1/20/94	48-50	<10.0	<10.0	-	-	<0.50	<0.50	<0.10	<0.15	<0.50	4.6
D-25	MW-23	12-14	1/21/94	30-32	426	<10.0	-	-	0.87	4.61	0.63	18.69	<0.50	6.2
D-25	MW-23	14-16	1/21/94	30-32	139	<10.0	-	-	2.99	3.99	1.40	19.91	<0.50	5.5
D-25	MW-23	20-22	1/21/94	30-32	<10.0	<10.0	-	-	<0.50	<0.50	<0.10	<0.15	<0.50	4.8
D-25	MW-23	30-32	1/21/94	30-32	<10.0	<10.0	-	-	<0.50	<0.50	<0.10	<0.15	<0.50	3.1

BGS = Below Ground Surface
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
TPH = Total Petroleum Hydrocarbons
TRPH = Total Recoverable Petroleum Hydrocarbons
PPM = Parts Per Million
MTBE = Methyl-t-Butyl Ether
NA = Not Applicable

APPENDIX J

FROM GAS MARCH 1994

HISTORICAL AND CURRENT
SOIL SAMPLE LABORATORY RESULTS TABLE

EXTENT OF CONTAMINATION REMEDIAL INVESTIGATION
SEALMAN BLOCK

REPORT NUMBER	BORING NUMBER	SAMPLE DEPTH (BGS)	SAMPLE DATE	BORING DEPTH (BGS)	GRO (PPM)	DRO (PPM)	TPH (PPM)	TRPH (PPM)	BENZENE (PPM)	ETHYLBENZENE (PPM)	TOLUENE (PPM)	XYLENES (PPM)	MTBE (PPM)	LEAD (PPM)
D-2	1	19.5-21	6/7/91	31-33	-	-	<4.0	-	-	-	-	-	-	-
D-2	1	29.5-31	6/7/91	31-33	1440	-	1440	-	-	-	-	-	-	-
D-2	2	2-3.5	6/7/91	26-28	-	-	<4.0	-	-	-	-	-	-	-
D-2	2	22-23.5	6/7/91	26-28	-	-	<4.0	-	-	-	-	-	-	-
D-2	3	4.5-6	6/7/91	48-50	-	63	63	-	-	-	-	-	-	-
D-2	3	29.5-31	6/7/91	48-50	92	-	92	-	-	-	-	-	-	-
D-10/D-11	B-1	19-21	10/21/92	24-26	520	13 (NA)	-	100	2.90	14.00	2.80	19.00	-	-
D-10/D-11	B-1	24-26	10/21/92	24-26	56	12 (NA)	-	44	-	-	-	-	-	-
D-10/D-11	B-2	19-21	10/21/92	24-26	<5.0	<4.0	-	21	-	-	-	-	-	-
D-10/D-11	B-2	24-26	10/21/92	24-26	22	<4.0	-	17	0.04	<0.002	0.01	<0.002	-	-
D-10/D-11	B-3/MW-1	14-16	10/22/92	27-29	<5.0	<4.0	-	<5.0	<0.002	<0.002	<0.002	<0.002	-	-
D-10/D-11	B-3/MW-1	19-21	10/22/92	27-29	<5.0	<4.0	-	<5.0	-	-	-	-	-	-
D-10/D-11	B-4/MW-2	14-16	10/22/92	43-45	<5.0	<4.0	-	6	-	-	-	-	-	-
D-10/D-11	B-4/MW-2	39-41	10/22/92	43-45	<5.0	<4.0	-	<5.0	<0.002	<0.002	<0.002	<0.002	-	-
D-10/D-11	B-5/MW-3	5-7	10/22/92	38-40	<5.0	<4.0	-	55	-	-	-	-	-	-
D-10/D-11	B-5/MW-3	34-36	10/23/92	38-40	<5.0	<4.0	-	<5.0	<0.002	<0.002	<0.002	<0.002	-	-
D-10/D-11	B-6	10-12	10/23/92	38-40	<5.0	<4.0	-	<5.0	<0.002	<0.002	<0.002	<0.002	-	-
D-10/D-11	B-6	14-16	10/23/92	38-40	<5.0	<4.0	-	14	-	-	-	-	-	-
D-10/D-11	B-7	7.5-9.5	10/23/92	38-40	<5.0	<4.0	-	9.9	<0.002	<0.002	<0.002	<0.002	-	-
D-10/D-11	B-7	24-26	10/23/92	38-40	<5.0	<4.0	-	<5.0	-	-	-	-	-	-
D-12	MW-1/SB-1	5-7	4/11/91	17-19.5	<5.0	<5.0	NA	-	-	-	-	-	-	-
D-12	MW-1/SB-1	17.5-19.5	4/11/91	17-19.5	<5.0	<5.0	<6.0	-	-	-	-	-	-	-
D-12	SB-2	7.5-9.5	4/11/91	14.5-17	<5.0	740	12000	-	-	-	-	-	-	-
D-12	SB-2	15-17	4/11/91	14.5-17	<5.0	20	NA	-	-	-	-	-	-	-
D-12	MW-2/SB-3	2.5-4.5	4/11/91	12-14.5	<5.0	<5.0	50	-	-	-	-	-	-	-
D-12	MW-2/SB-3	12.5-14.5	4/11/91	12-14.5	<5.0	<5.0	11	-	-	-	-	-	-	-
D-12	MW-3/SB-4	7.5-9.5	4/11/91	12.5-14.5	<5.0	<5.0	14	-	-	-	-	-	-	-
D-12	MW-3/SB-4	12.5-14.5	4/11/91	12.5-14.5	<5.0	<5.0	<6.0	-	-	-	-	-	-	-
D-12	SB-5	2.5-4.5	4/11/91	10-12	<5.0	<5.0	65	-	-	-	-	-	-	-
D-12	SB-5	10-12	4/11/91	10-12	<5.0	<5.0	12	-	-	-	-	-	-	-
D-17	B1	15-17	10/26/92	18-20	<5.0	<4.0	-	6.2	-	-	-	-	-	-
D-17	B1	20-22	10/26/92	18-20	<5.0	<4.0	-	6.2	-	-	-	-	-	-
D-17A	SB1	4.5-6	6/2/90	19.5-21	-	-	<4.0	-	-	-	-	-	-	<0.2
D-17A	SB1	7-8.5	6/2/90	19.5-21	-	-	<4.0	-	-	-	-	-	-	<0.2
D-17A	SB1	9.5-11	6/2/90	19.5-21	-	-	<4.0	-	-	-	-	-	-	<0.2
D-17A	SB1	14.5-16	6/2/90	19.5-21	-	-	<4.0	-	-	-	-	-	-	0.2
D-17A	SB1	19.5-21	6/2/90	19.5-21	-	-	<4.0	-	-	-	-	-	-	0.3
D-17A	SB2	2-3.5	6/2/90	19.5-21	-	-	<4.0	-	-	-	-	-	-	0.2
D-17A	SB2	4.5-6	6/2/90	19.5-21	-	-	<4.0	-	-	-	-	-	-	1.5
D-17A	SB2	7-8.5	6/2/90	19.5-21	-	-	<4.0	-	-	-	-	-	-	<0.2
D-17A	SB2	9.5-11	6/2/90	19.5-21	-	-	<4.0	-	-	-	-	-	-	0.2

FROM GAS MARCH 1994

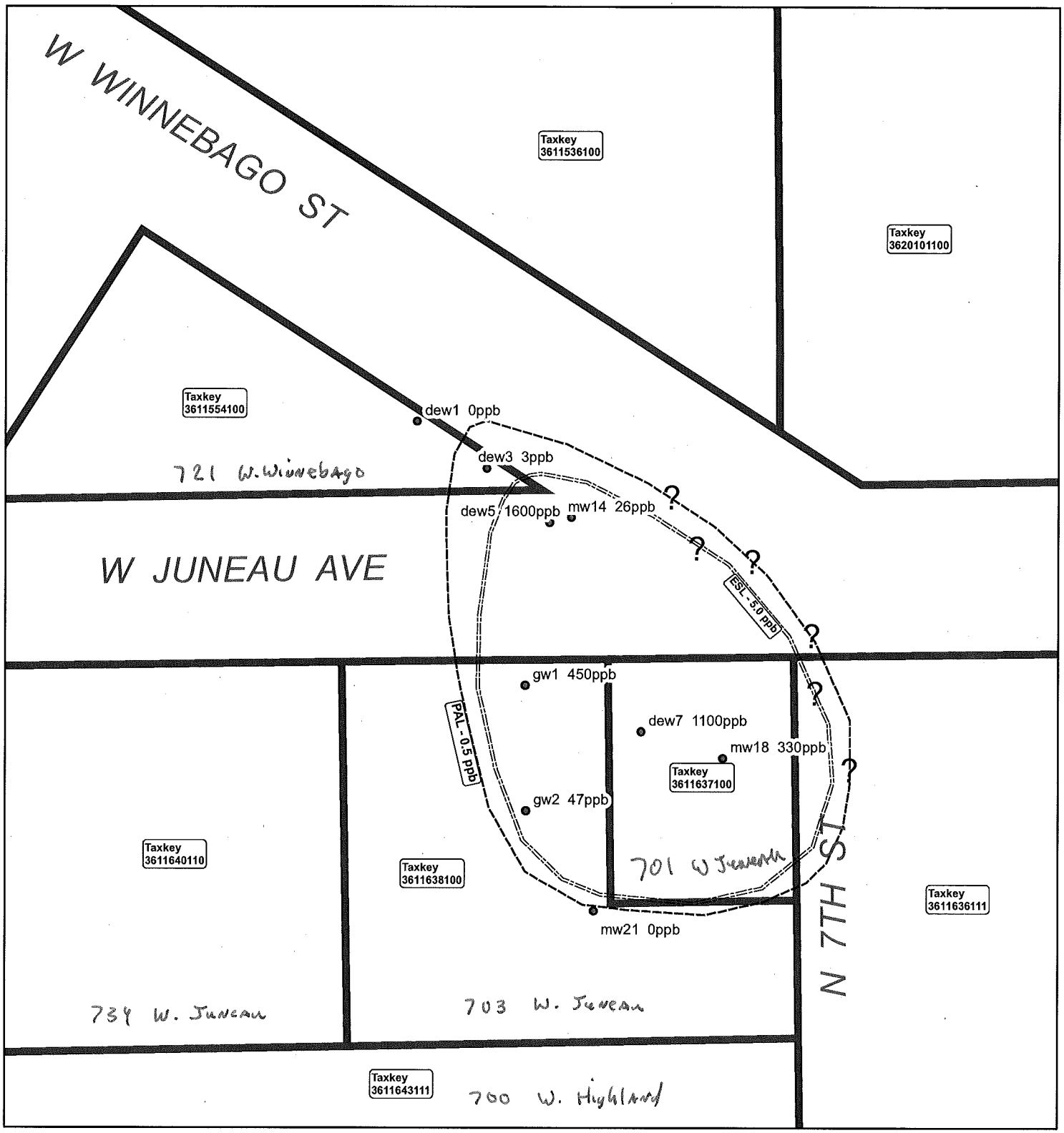
APPENDIX J

HISTORICAL AND CURRENT
SOIL SAMPLE LABORATORY RESULTS TABLE

EXTENT OF CONTAMINATION REMEDIAL INVESTIGATION
SEALMAN BLOCK

REPORT NUMBER	BORING NUMBER	SAMPLE DEPTH (BGS)	SAMPLE DATE	BORING DEPTH (BGS)	GRO (PPM)	DRO (PPM)	TPH (PPM)	TRPH (PPM)	BENZENE (PPM)	ETHYLBENZENE (PPM)	TOLUENE (PPM)	XYLENES (PPM)	MTBE (PPM)	LEAD (PPM)
D-17A	SB2	14.5-16	6/2/90	19.5-21	-	-	<4.0	-	-	-	-	-	-	<0.2
D-17A	SB2	19.5-21	6/2/90	19.5-21	-	-	<4.0	-	-	-	-	-	-	0.3
D-17A	SB3	2-3.5	6/2/90	14.5-16	-	-	<4.0	-	-	-	-	-	-	<0.2
D-17A	SB3	4.5-6	6/2/90	14.5-16	-	-	16 (Creosote)	-	-	-	-	-	-	<0.2
D-17A	SB3	7-8.5	6/2/90	14.5-16	-	-	<4.0	-	-	-	-	-	-	<0.2
D-17A	SB3	9.5-11	6/2/90	14.5-16	-	-	<4.0	-	-	-	-	-	-	<0.2
D-17A	SB3	14.5-16	6/2/90	14.5-16	-	-	<4.0	-	-	-	-	-	-	<0.2
D-19	B2	2.5-4	3/9/93	14-16.5	<5.0	<4.0	-	-	-	-	-	-	-	-
D-19	B3	20-21.5	3/9/93	24-26.5	740	46 (NA)	-	-	-	-	-	-	-	-
D-19	B4	20-21.5	3/9/93	20-22.5	49	22 (NA)	-	-	-	-	-	-	-	-
D-23	PMW-5	7.5-9.5	5/26/93	20-22	<5.0	<10.0	-	-	<0.050	<0.050	<0.050	<0.10	<0.05	-
D-23	PMW-5	15-17	5/26/93	20-22	340	80	-	-	<0.25	4.00	0.96	1.30	<0.05	-
D-23	PMW-2	7.5-9.5	5/26/93	20-22	<5.0	<10.0	-	-	<0.050	<0.050	<0.050	<0.10	<0.05	-
D-23	PMW-2	10-12	5/26/93	20-22	<5.0	<10.0	-	-	<0.050	<0.050	<0.050	<0.10	<0.05	-
D-23	PMW-3	10-12	5/26/93	20-22	310	1000	-	-	<0.50	3.50	<0.50	<1.0	<0.05	-
D-23	PMW-3	15-17	5/26/93	20-22	<5.0	<10.0	-	-	<0.050	<0.050	<0.050	<0.010	<0.05	-
D-23	PMW-1	12.5-14.5	5/26/93	24-26	<5.0	<10.0	-	-	<0.050	<0.050	<0.050	<0.010	<0.05	-
D-23	PMW-1	15-17	5/26/93	24-26	<5.0	<10.0	-	-	<0.050	<0.050	<0.050	<0.010	<0.05	-
D-23	PMW-4	5-7	5/27/93	20-22	<5.0	200	-	-	<0.050	<0.050	<0.050	<0.010	<0.05	-
D-23	PMW-4	15-17	5/27/93	20-22	<5.0	<10.0	-	-	<0.050	<0.050	<0.050	<0.010	<0.05	-
D-25	SB-A	2-4	11/30/93	10-12	<10.0	<10.0	-	-	-	-	-	-	-	-
D-25	SB-A	10-12	11/30/93	10-12	41.4	<10.0	-	-	-	-	-	-	-	-
D-25	SB-B	12-14	11/30/93	42-44	<10.0	<10.0	-	-	-	-	-	-		22.0
D-25	SB-B	18-20	11/30/93	42-44	<10.0	<10.0	-	-	-	-	-	-		3.5
D-25	SB-B	42-44	11/30/93	42-44	<10.0	<10.0	-	-	-	-	-	-		4.9
D-25	SB-C	10-12	12/1/93	44-46	<10.0	27.0	-	-	-	-	-	-		49.0
D-25	SB-C	12-14	12/1/93	44-46	841	200	-	-	<0.12	4.66	2.75	11.59	<0.12	84.0
D-25	SB-C	18-20	12/1/93	44-46	186	<10.0	-	-	<0.11	0.91	0.65	4.30	<0.11	5.8
D-25	SB-C	22-24	12/1/93	44-46	<10.0	<10.0	-	-	-	-	-	-	-	5.4
D-25	SB-C	44-46	12/1/93	44-46	<10.0	<10.0	-	-	-	-	-	-	-	10.0
D-25	SB-D	18-20	12/2/93	42-44	<10.0	<10.0	-	-	-	-	-	-	-	6.8
D-25	SB-D	28-30	12/2/93	42-44	<10.0	<10.0	-	-	-	-	-	-	-	5.1
D-25	SB-D	42-44	12/2/93	42-44	<10.0	<10.0	-	-	-	-	-	-	-	7.6
D-25	SB-E	20-22	1/3/94	40-42	<10.0	144	-	-	<0.05	<0.05	<0.10	<0.15	<0.05	7.2
D-25	SB-E	26-28	1/3/94	40-42	11.6	<10.0	-	-	0.67	<0.05	0.12	<0.15	<0.05	2.6
D-25	SB-E	32-34	1/3/94	40-42	<10.0	<10.0	-	-	0.77	<0.05	<0.10	<0.15	<0.05	3.0
D-25	SB-E	40-42	1/3/94	40-42	<10.0	<10.0	-	-	<0.05	<0.05	<0.10	<0.15	<0.05	3.1

Groundwater Benzene (ppb) - July 2005



Legend

- Well Number, Benzene Conc
- ----- Benzene PAL - 0.5 ppb
- ==:==: Benzene ES - 5.0 ppb
- ? Exact Contour Unknown

25 12.5 0 25 50 75 100 Feet

PREPARED BY: MILWAUKEE COUNTY
DWG: SJH
DATE:12/27/06
BRRTS:03-41-004898, 03-41-201378, 03-41-002633, 02-41-000668

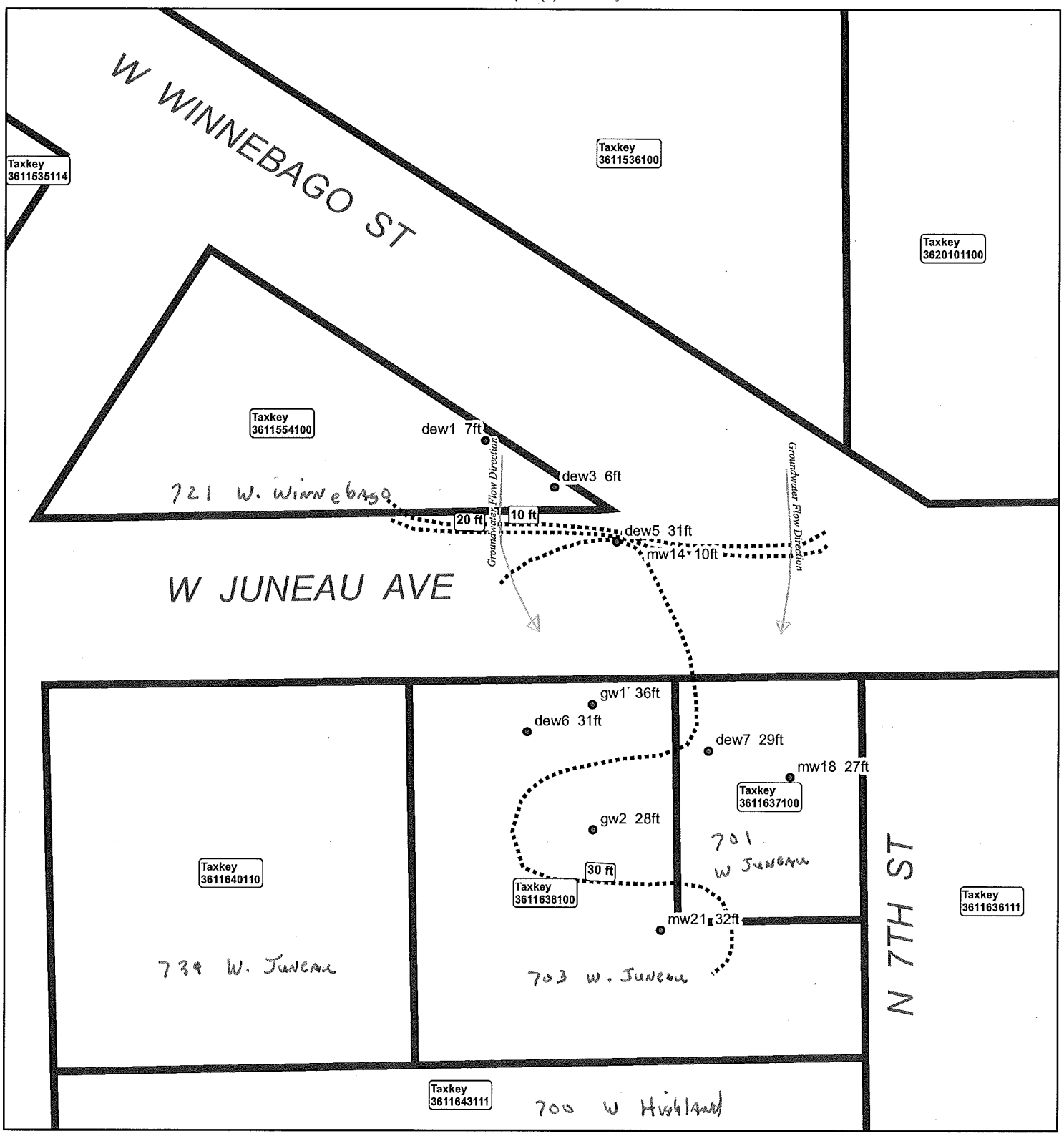
K. SINGH & ASSOCIATES, INC.
Engineers, Scientists and Environmental Management Consultants

TABLE 2
Groundwater Elevations Data
Milwaukee County Fleet Maintenance/Sealman Block Property
721 W. Winnebago Street, Milwaukee

Date	Unit	MW-101	MW-102	MW-103	MW-104	MW-94-11	MW-1	MW-14	MW-18	MW-19	MW--20	MW-21
Screen Interval	ft	40-45	40-50	40-50	40-50	36-46	NA	NA	NA	20-30	20-Oct	30-40
Top of Casing	ft MSL	615.89	602.53	609.64	624.89	627.52	628.95	624.01	617.67	*100*	606.73	614.83
10/22/1998	ft MSL	566.99	567.53	68.44	593.23	620.62	610.41	612.71	593.03	*77.46*	NM	585.33
1/20/1999	ft MSL	567	565.78	567.65	593.26	593.15	605.76	612.26	592.35	NM	587	NM
4/30/1999	ft MSL	567.02	465.57	566.94	593.68	594.03	613.6	613.63	593.75	NM	591.86	585.47
8/2/1999	ft MSL	567.11	566.62	566.2	593.08	593.9	612.28	613.59	593.67	NM	592.49	586.72
11/17/1999	ft MSL	567.06	565.6	566.5	593.14	587.53	607.25	612.67	593.17	NM	590.95	585.72
2/24/2000	ft MSL	567.97	565.49	566.67	593.84	592.99	605.39	612.85	592.25	NM	590.44	584.49
4/26/2000	ft MSL	566.99	564.69	565.27	592.55	NM	614.23	614.09	592.75	NM	591.75	584.83
10/18/2001	ft MSL	568.23	571.32	571.37	NM	593.17	609.99	612.45	592.33	NM	587.27	584.15

NOTES: NM: Not measured
Italicized values refer to measurements with respect to local benchmark

Groundwater Depth (ft) - January 2005

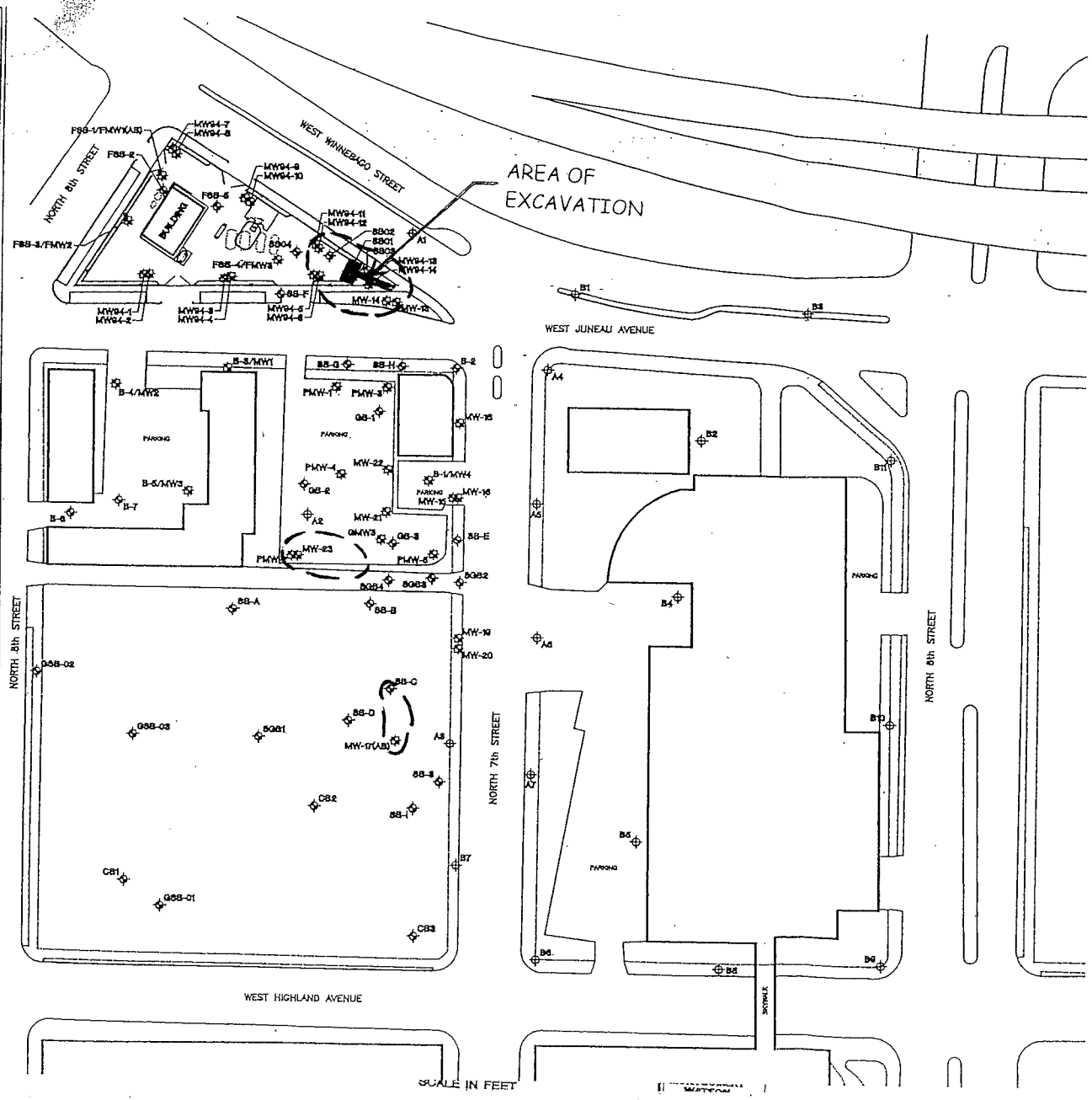


Legend

- Groundwater Contours
- Well Number, Groundwater Depth

20 10 0 20 40 60 80 Feet

PREPARED BY: MILWAUKEE COUNTY
DWG: SJH
DATE:12/27/06
BRRTS:03-41-004898, 03-41-201378, 03-41-002633, 02-41-000668



LEGEND

- SB01 — SOIL BORING LOCATION AND NUMBER PERFORMED BY MONTGOMERY WATSON IN FEBRUARY 1995 (SB01–SB04)
- SB-A — SOIL BORING LOCATION AND NUMBER PERFORMED BY GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.– DECEMBER 1993 TO JANUARY 1994 (SB-A – SB-I)
- SGB2 — SOIL BORING LOCATION AND NUMBER PERFORMED BY SIGMA ENVIRONMENTAL SERVICES IN MARCH 1993 (SGB2–SGB4)
- GSB-01 — SOIL BORING LOCATION AND NUMBER PERFORMED BY GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC. IN JANUARY 1993 (GSB-01 – GSB-03)
- SGB1 — SOIL BORING LOCATION AND NUMBER PERFORMED BY SIGMA ENVIRONMENTAL SERVICES IN OCTOBER 1992 (SGB1)
- B-6 — SOIL BORING LOCATION AND NUMBER PERFORMED BY SIGMA ENVIRONMENTAL SERVICES IN OCTOBER 1992 (B-1 – B-7)
- GB-2 — SOIL BORING LOCATION AND NUMBER PERFORMED BY GILES ENGINEERING ASSOCIATES, INC. IN JUNE 1991 (GB-1 – GB-3)
- FSB-2 — SOIL BORING LOCATION AND NUMBER PERFORMED BY FOTH & VAN DYKE IN APRIL 1991 (FSB-1 – FSB-5)
- CB3 — SOIL BORING LOCATION AND NUMBER PERFORMED BY CBC ENVIRONMENTAL SERVICES IN JUNE 1990 (CB1–CB3)
- MW94-1 — MONITORING WELL LOCATION AND NUMBER INSTALLED BY MONTGOMERY WATSON–DECEMBER 1994 TO FEBRUARY 1995 (MW94-1 – MW94-14)
- MW-13 — MONITORING WELL LOCATION AND NUMBER INSTALLED BY GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.– DECEMBER 1993 TO JANUARY 1994 (MW-13 – MW-23)
- FMW-2 — MONITORING WELL LOCATION AND NUMBER INSTALLED BY RMT, INC. IN MAY 1993 (FMW-1 – FMW-5)
- MW3 — MONITORING WELL LOCATION AND NUMBER INSTALLED BY SIGMA ENVIRONMENTAL SERVICES IN OCTOBER 1992 (MW1–MW4)
- GMW3 — MONITORING WELL LOCATION AND NUMBER INSTALLED BY GILES ENGINEERING ASSOCIATES, INC IN JUNE 1991 (GMW3)
- FMW2 — MONITORING WELL LOCATION AND NUMBER INSTALLED BY FOTH & VAN DYKE IN APRIL 1991 (FMW1–FMW3)
- A1 — PROPOSED INITIAL LOCATIONS FOR MULTIPLE DEPTH GROUNDWATER SAMPLING
- B1 — PROPOSED POTENTIAL ADDITIONAL LOCATIONS FOR MULTIPLE DEPTH GROUNDWATER SAMPLING

NOTES:

1. BASE MAP DEVELOPED FROM A TOPOGRAPHIC MAP OF THE NORTHWEST QUARTER OF SECTION 29, TOWNSHIP 7 NORTH, RANGE 22 EAST PREPARED FOR MILWAUKEE COUNTY, WISCONSIN BY AERO–METRIC ENGINEERING, INC. UNDER A PROGRAM ADMINISTERED BY THE SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION.

north

0 40 80

SCALE IN FEET

Drawn by CDM Date 6/11/95

Developed by DRL

Approved by

References

Consultants

No.	Issue/Revision	Date	By	Appvd.

HISTORICAL AND PROPOSED SAMPLING LOCATIONS

PHASE II – SITE INVESTIGATION
MILWAUKEE COUNTY FLEET OPERATION FACILITY
721 WEST WINNEBAGO STREET
MILWAUKEE, WISCONSIN

Printed

Sheet Number

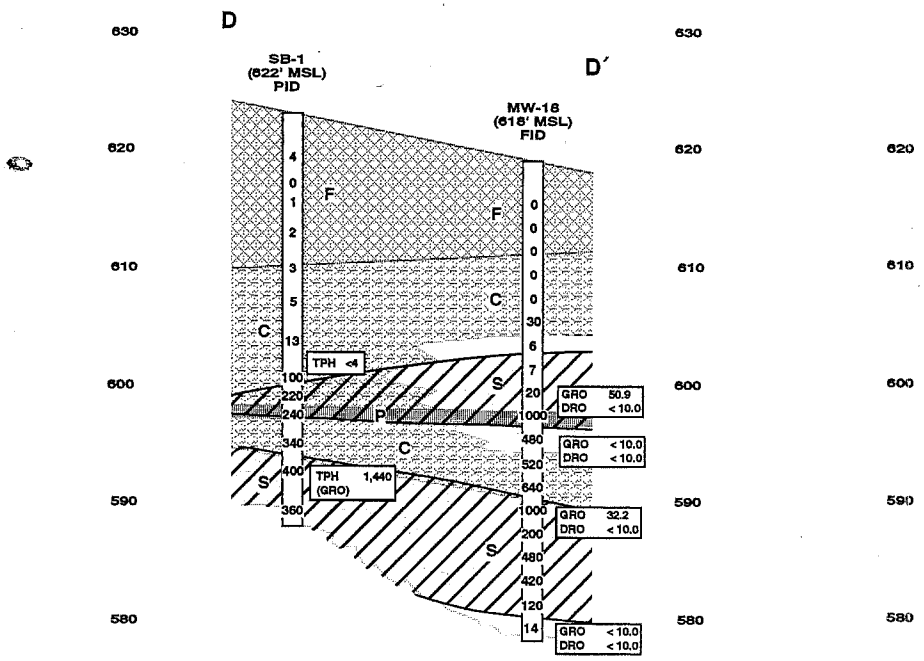
Drawing Number 4230.0020

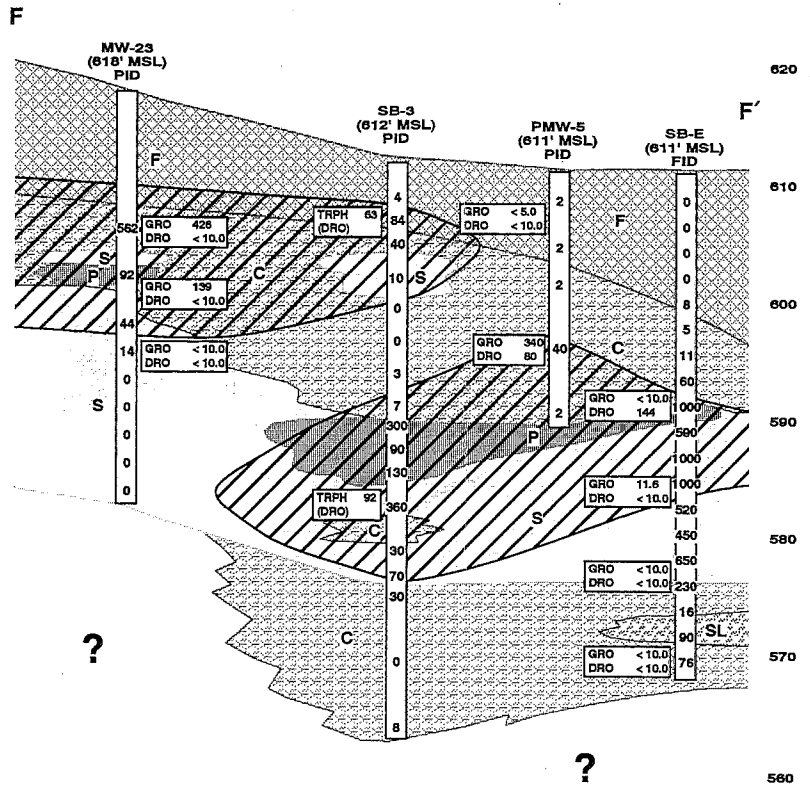
MONTGOMERY WATSON

SOIL CONTAMINATION

NOTES:

AREAS OF SOIL CONTAMINATION DEFINED BY BENZENE (>5.5ug/kg), GRO (>100mg/kg), OR DRO (>100mg/kg)





F (FILL)	SILTY TO CLAYEY SAND WITH GRAVEL	▼	WATER TABLE ELEVATION IN MONITORING WELL	V.E.	VERTICAL EXAGERTAION
C (CLAY)	CLAY WITH SAND OR SILT SOME SAND AND SILT LAYERS	- - -	WATER TABLE	PPM	PARTS PER MILLIOM
SC (SILTY CLAY)	SILTY CLAY WITH ORGANICS AND SHELLS	GRO	GASOLINE RANGE ORGANICS (PPM)		SOIL CONTAMINATION PLUME
P (PEAT)	FIBROUS PEAT WITH SOME CLAY OR SILT	DRO	DIESEL RANGE ORGANICS (PPM)	SCALE:	HORIZONTAL: 1"=30' VERTICAL: 1"=10' V.E.: 3X
S (SAND)	SAND TO VERY SILTY SAND. SOME GRAVEL LENSES	TPH	TOTAL PETROLEUM HYDROCARBONS (PPM)	NOTE:	FIELD SCREENING RESULTS GIVEN IN INSTRUMENT UNITS
SL (SILT)	SILT TO SANDY SILT	PID	PHOTO IONIZATION DETECTOR		
		FID	FLAME IONIZATION DETECTOR		
		MSL	MEAN SEA LEVEL		

937522.D27 D-D´ & F-F´ ANA

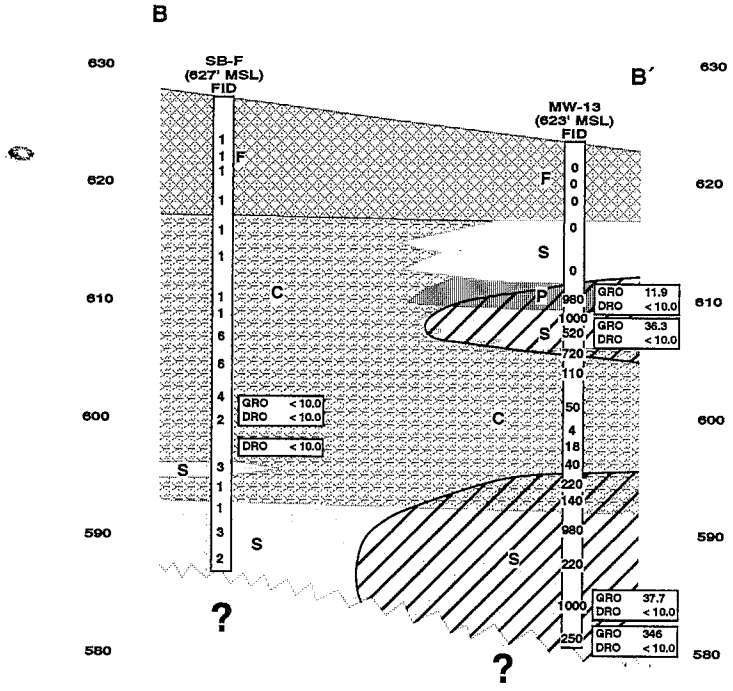
GEOLOGIC CROSS-SECTION D-D´ & F-F´ WITH FIELD SCREENING AND LABORATORY RESULTS

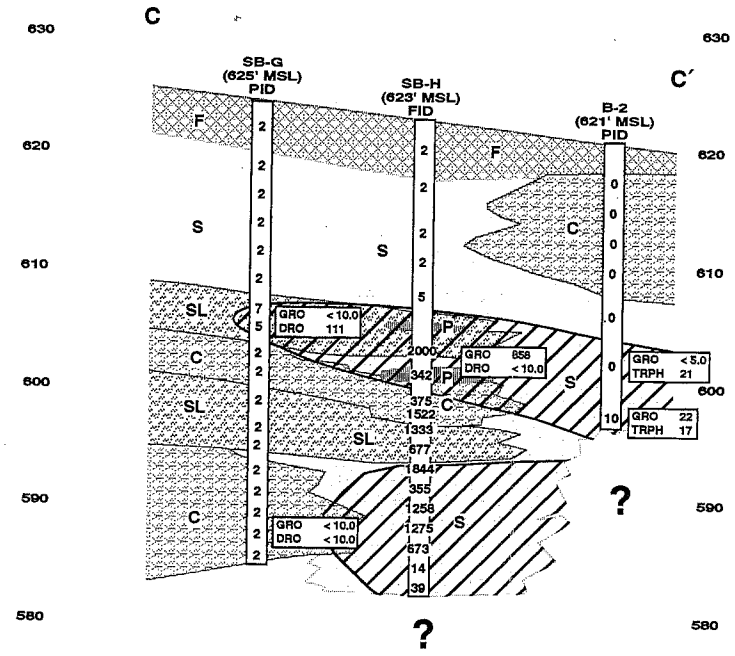
MILWAUKEE AREA TECHNICAL COLLEGE MILWAUKEE, WISCONSIN

SCALE:	SEE ABOVE
DATE:	3-7-94
PROJECT MGR:	CWK
DRAWN BY:	MJP
JOB NUMBER:	937522
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

FIGURE 16





F (FILL)	SILTY TO CLAYEY SAND WITH GRAVEL	S (SAND)	SAND TO VERY SILTY SAND, SOME GRAVEL LENSES
C (CLAY)	CLAY WITH SAND OR SILT SOME SAND AND SILT LAYERS	SL (SILT)	SILT TO SANDY SILT
SC (SILTY CLAY)	SILTY CLAY WITH ORGANICS AND SHELLS	▼	WATER TABLE ELEVATION IN MONITORING WELL
P (PEAT)	FIBROUS PEAT WITH SOME CLAY OR SILT	— — —	WATER TABLE
		GRO	GASOLINE RANGE ORGANICS (PPM)
		DRO	DIESEL RANGE ORGANICS (PPM)

TRPH	TOTAL RECOVERABLE PETROLEUM HYDROCARBONS	FID	FLAME IONIZATION DETECTOR
PID	PHOTO IONIZATION DETECTOR	MSL	MEAN SEA LEVEL
	SOIL CONTAMINATION PLUME	V.E.	VERTICAL EXAGERATION
		PPM	PARTS PER MILLION

SCALE: HORIZONTAL: 1"=30'
VERTICAL: 1"=1'
V.E.: 3X

NOTE: FIELD SCREENING RESULTS GIVEN IN INSTRUMENT UNITS

GEOLOGIC CROSS-SECTIONS B-B' & C-C' WITH FIELD SCREENING AND LABORATORY RESULTS

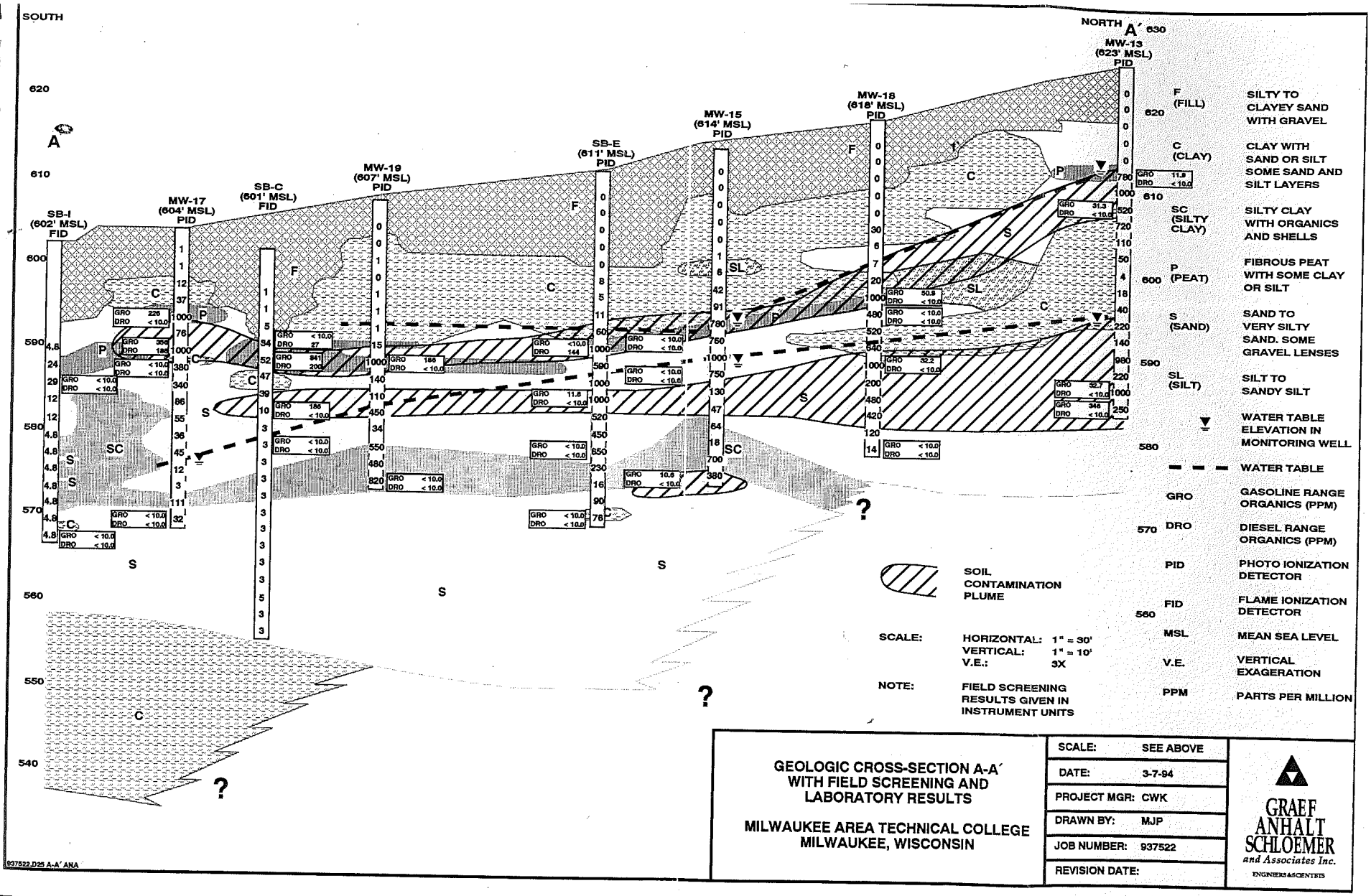
MILWAUKEE AREA TECHNICAL COLLEGE MILWAUKEE, WISCONSIN

SCALE:	SEE ABOVE
DATE:	3-7-94
PROJECT MGR:	CWK
DRAWN BY:	MJP
JOB NUMBER:	937522
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

937522.D26 B-B' & C-C' ANA

FIGURE 15



GEOLOGIC CROSS-SECTION A-A´
WITH FIELD SCREENING AND
LABORATORY RESULTS

MILWAUKEE AREA TECHNICAL COLLEGE
MILWAUKEE, WISCONSIN

SCALE:	SEE ABOVE
DATE:	3-7-94
PROJECT MGR:	CWK
DRAWN BY:	MJP
JOB NUMBER:	937522
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

FIGURE 14

DEPARTMENT OF PUBLIC WORKS

Milwaukee County

DAVID A. NOVAK, P.E. • DIRECTOR
• HIGHWAY COMMISSIONER

August 19, 2002

Al Evinrude
Manager, Construction Services
Milwaukee Area Technical College
700 West State Street
Milwaukee, WI 53233

RE: Site Closure Request-721 W. Winnebago St

Dear Mr. Evinrude:

Milwaukee County DPW-Environmental Services will be requesting final case closure from the Wisconsin Department of Commerce for contamination originating from the County's 721 W. Winnebago property. I wanted to notify you of this since groundwater contamination from the Winnebago property had migrated under your property. We operated the groundwater treatment system that we took over from the city for two years until it became no longer effective. If case closure were granted, it would mean that the Department of Commerce would not require any further remedial or investigative effort on the part of Milwaukee County. Your properties that are affected are:

701 W JUNEAU AVE **TAXKEY 361-1637-100-0**

LEGAL DESCRIPTION: LEGALS PLAT OF EAST HALF OF THE NW 1/4 SEC 29-7-22 DESCRIPTION BLOCK 160 E 40 2/3' OF N 100' LOT 1 & W 1/2 VAC N 7TH ST ADJON E

709 THRU 717 W JUNEAU AVE **TAXKEY 361-1638-100-6**

LEGAL DESCRIPTION: LEGALS PLAT OF EAST HALF OF THE NW 1/4 SEC 29-7-22 DESCRIPTION BLOCK 160 LOTS 2-3 & PART OF LOT 1 EXC N 100' OF E 40 2/3' AND W 1/2 VAC N 7TH ST & N 1/2 VAC ALLEY ADJ ON S

700 W HIGHLAND AVE **TAXKEY 361-1643-111-9**

LEGAL DESCRIPTION: LEGALS PLAT OF EAST HALF OF THE NW 1/4 SEC 29-7-22 DESCRIPTION BLOCK 160 LOTS 7 THRU 16 & VAC SELY E-W ALLEY & S 1/2 VAC NLY E-W ALLEY6 & W 1/2 VAC N 7TH ST

We believe we have remediated the affected properties to the extent practical as prescribed by Wisconsin Administrative Code, and that the groundwater plume is stable

and receding and will naturally degrade over time. We will request closure via natural attenuation as the final remedy per NR 746 Wisconsin Administrative Code.

At this time, however, residual contamination above NR 140 standards remains, which would require all affected property to be entered in the Department of Natural Resources' (WDNR) Geographic Information System (GIS) Registry of Closed Remediation Sites. The GIS registry includes maps showing the locations of groundwater contamination that exceeds the enforcement standards. The registry is available to the general public on the WDNRs web site. In addition, the Department of Commerce might require a deed restriction be placed on all properties with contaminated soil above the NR 720 standard. We have done numerous such deed restrictions on County properties and they pose no management problems if the property is expected to stay in public ownership.

The following bullet items are important points to consider regarding the contamination remaining under your property. Please review the following and contact me if you have any questions.

- If case closure is granted Milwaukee County remains liable for the contamination.

  Since the source of the groundwater contamination is not on your property, neither you nor any subsequent owner of the property will be held liable for clean up as long as access to the site for remedial/investigative purposes as allowed under section 292.13 of Wisconsin Statutes. If the case is closed, Milwaukee County will remain obligated to do any future investigation or remediation associated with this plume as directed by the Department of Commerce or the WDNR. For further information regarding your obligations for future site access you may obtain the WDNR fact sheet ***#RR-589, Fact Sheet 10: Guidance for Dealing with Properties Affected by Off-Site Contamination*** *by calling 1-800-367-6076.*

- As an affected property owner you have the right to contact the Department of Commerce to provide technical information that indicates why you believe closure should not be granted.

  The Department of Commerce will not review the case closure request until 30 days after the date of this letter. If you would like to submit any information that is relevant to this closure request you can send it to the Wisconsin Department of Commerce at 101 West Pleasant Street – Suite 205, Milwaukee, WI 53212. Please contact me to discuss any concerns or information you might have.

- Please review the enclosed legal description of your property and notify me within 30 days if the legal description is incorrect.

  We are required to submit a legal description of all the properties for which there are groundwater enforcement standard exceedances for the WDNRs GIS registry.

If the Department grants our request for closure, I will provide to you a copy of the closure letter, or it may be obtained on the GIS Registry of Closed Remediation Sites at www.dnr.state.wi.us/org/at/et/geo/gwur. It can also be obtained by writing to the Department of Commerce at the address above.

If you have any questions or concerns please call me at (414) 278-4936, or you may contact Linda Michalets at the Wisconsin Department of Commerce at (414) 220-5373.

Sincerely,

Gary A. Mick, PE
Director-Environmental Services
Milwaukee County

c: Rudy Salcedo, City of Milwaukee Health Department
John E. Schapekahm, Milwaukee County Corporation Counsel
Greg High, Milwaukee County DPW-Architecture & Engineering

DEPARTMENT OF PUBLIC WORKS

Milwaukee County

DAVID A. NOVAK, P.E. • DIRECTOR
• HIGHWAY COMMISSIONER

August 19, 2002

Rudy Salcedo, Ph.D.
Environmental Scientist
City of Milwaukee Health Department
841 North Broadway, Rm. 304
Milwaukee, WI 53202

RE: Site Closure Request-721 W. Winnebago St

Dear Mr. ~~Salcedo~~ Rudy:

Milwaukee County DPW-Environmental Services will be requesting final case closure from the Wisconsin Department of Commerce for contamination originating from the County's 721 W. Winnebago property. I wanted to notify you of this since groundwater contamination from the Winnebago property had migrated under your property. We operated the groundwater treatment system that we took over from the city for two years until it became no longer effective. If case closure were granted, it would mean that the Department of Commerce would not require any further remedial or investigative effort on the part of Milwaukee County. Your properties that are affected are:

CITY RIGHT OF WAY - 700-717 WEST JUNEAU AVE
CITY RIGHT OF WAY – 1100 BLOCK OF NORTH 7th STREET

We believe we have remediated the affected properties to the extent practical as prescribed by Wisconsin Administrative Code, and that the groundwater plume is stable and receding and will naturally degrade over time. We will request closure via natural attenuation as the final remedy per NR 746 Wisconsin Administrative Code.

At this time, however, residual contamination above NR 140 standards remains, which would require all affected property to be entered in the Department of Natural Resources' (WDNR) Geographic Information System (GIS) Registry of Closed Remediation Sites. The GIS registry includes maps showing the locations of groundwater contamination that exceeds the enforcement standards. The registry is available to the general public on the WDNRs web site. In addition, the Department of Commerce might require a deed restriction be placed on all properties with contaminated soil above the NR 720 standard. We have done numerous such deed restrictions on County properties and they pose no management problems if the property is expected to stay in public ownership.

The following bullet items are important points to consider regarding the contamination remaining under your property. Please review the following and contact me if you have any questions.

- If case closure is granted Milwaukee County remains liable for the contamination.

  Since the source of the groundwater contamination is not on your property, neither you nor any subsequent owner of the property will be held liable for clean up as long as access to the site for remedial/investigative purposes as allowed under section 292.13 of Wisconsin Statutes. If the case is closed, Milwaukee County will remain obligated to do any future investigation or remediation associated with this plume as directed by the Department of Commerce or the WDNR. For further information regarding your obligations for future site access you may obtain the WDNR fact sheet ***#RR-589, Fact Sheet 10: Guidance for Dealing with Properties Affected by Off-Site Contamination*** *by calling 1-800-367-6076.*

- As an affected property owner you have the right to contact the Department of Commerce to provide technical information that indicates why you believe closure should not be granted.

  The Department of Commerce will not review the case closure request until 30 days after the date of this letter. If you would like to submit any information that is relevant to this closure request you can send it to the Wisconsin Department of Commerce at 101 West Pleasant Street – Suite 205, Milwaukee, WI 53212. Please contact me to discuss any concerns or information you might have.

If the Department grants our request for closure, I will provide to you a copy of the closure letter, or it may be obtained on the GIS Registry of Closed Remediation Sites at www.dnr.state.wi.us/org/at/et/geo/gwur. It can also be obtained by writing to the Department of Commerce at the address above.

If you have any questions or concerns please call me at (414) 278-4936, or you may contact Linda Michalets at the Wisconsin Department of Commerce at (414) 220-5373.

Sincerely,

Gary A. Mick, PE
Director-Environmental Services
Milwaukee County

c: Al Evinrude, Milwaukee Area Technical College
John E. Schapekahm, Milwaukee County Corporation Counsel
Greg High, Milwaukee County DPW-Architecture & Engineering

DEPARTMENT OF PUBLIC WORKS

Milwaukee County

DAVID A. NOVAK, P.E. • DIRECTOR
• HIGHWAY COMMISSIONER

August 21, 2002

Linda Michalets
Environmental & Regulatory Services
Wisconsin Department of Commerce
101 West Pleasant Street, Suite 100A
Milwaukee, WI 53212

RE: Attachment to Groundwater GIS Registry-Legal Descriptions

Dear Ms. Michalets:

Milwaukee County has requested case closure for contamination caused by leaking underground storage tanks (LUSTs) at the Milwaukee County Fleet Operations Facility, 721 W. Winnebago. The case includes the following BRRTS numbers:

02-41-000668 03-41-002633 03-41-004898 03-41-201378

As required by the checklist of required documents for the Wisconsin Department of Natural Resources' Groundwater GIS Registry packet, this letter affirms that the legal descriptions below are all the properties that have contaminated groundwater exceeding NR 140 enforcement standards resulting from the LUSTs at the Fleet Operations Facility.

The legal descriptions were written for the entire parcel identification number. Where applicable, I have noted the specific lots within the parcel with contamination over NR 140 standards.

721 W Winnebago St Taxkey 361-1554-100-X
Owner: Milwaukee County Register of Deeds

Legal Description:
LEGALS ORIGINAL PLAT OF THE TOWN OF MILW WEST OF THE RIVER IN DESCRIPTION SECS (20 & 29)-7-22 BLOCK 130 LOT 1-3

NOTE: Contamination over NR 140 ES on Lot 1 only.

701 W Juneau Ave Taxkey 361-1637-100-0
Owner: Milwaukee Area Technical College District

Legal Description:
LEGALS PLAT OF EAST HALF OF THE NW 1/4 SEC 29-7-22 DESCRIPTION BLOCK 160 E 40 2/3' OF N 100' LOT 1 & W 1/2 VAC N 7TH ST ADJON E

709 through 717 W Juneau Ave Taxkey 361-1638-100-6
Owner: Milwaukee Area Technical College District

Legal Description:
LEGALS PLAT OF EAST HALF OF THE NW 1/4 SEC 29-7-22 DESCRIPTION BLOCK 160 LOTS 2-3 & PART OF LOT 1 EXC N 100' OF E 40 2/3' AND W 1/2 VAC N 7TH ST & N 1/2 VAC ALLEY ADJ ON S

700 W Highland Ave Taxkey 361-1643-111-9
Owner Milwaukee Area Technical College District

Legal Description:
LEGALS PLAT OF EAST HALF OF THE NW 1/4 SEC 29-7-22 DESCRIPTION BLOCK 160 LOTS 7 THRU 16 & VAC SELY E-W ALLEY & S 1/2 VAC NLY E-W ALLEY6 & W 1/2 VAC N 7TH ST

NOTE: Contamination over NR 140 ES on Lots 8,9, 15, and 16 only.

Please call Tim Detzer at (414) 278-2988 or myself at (414) 278-4936 if you have any questions.

Sincerely,

Gary Mick, PE
Director-Environmental Services
Milwaukee County