

GIS REGISTRY INFORMATION

SITE NAME: Kaukauna Electric and Water
BRRTS #: 02-45-282322
CLOSURE DATE: 1/23/03
STREET ADDRESS: 770 Island Street
CITY: Kaukauna

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 658451 Y= 424004

OFF-SOURCE CONTAMINATION (>ES): Yes No

IF YES, STREET ADDRESS 1: _____
GPS COORDINATES (meters in WTM91 projection): X= _____ Y= _____

IF YES, STREET ADDRESS 2: _____
GPS COORDINATES (meters in WTM91 projection): X= _____ Y= _____

IF YES, STREET ADDRESS 3: _____
GPS COORDINATES (meters in WTM91 projection): X= _____ Y= _____

IF YES, STREET ADDRESS 4: _____
GPS COORDINATES (meters in WTM91 projection): X= _____ Y= _____

IF YES, STREET ADDRESS 5: _____
GPS COORDINATES (meters in WTM91 projection): X= _____ Y= _____

SOIL CONTAMINATION >GENERIC OR SITE-SPECIFIC RCL: Yes No

IF YES, STREET ADDRESS 1: 770 Island Street
GPS COORDINATES (meters in WTM91 projection): _____ Y= _____

IF YES, STREET ADDRESS 2: _____
GPS COORDINATES (meters in WTM91 projection): _____ Y= _____

CONTAMINATION IN RIGHT OF WAY: Yes No

DOCUMENTS NEEDED:

- Closure Letter, and any conditional closure letter issued
- Copy of most recent deed, including legal description, for all affected properties
- Certified survey map or relevant portion of the recorded plat map (*if referenced in the legal description*) for all affected properties
- County Parcel ID number, *if used for county*, for all affected properties

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 site-specific residual contaminant levels.

X

Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)

NA

Tables of Latest Soil Analytical Results (no shading or cross-hatching) 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

NA

GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)

NA

SOIL: Latest horizontal extent of contamination exceeding generic or site-specific RCLs, with one contour.

NA

Geologic cross-sections, if required for SI. (8.5x14" if paper copy)

X

RP certified statement that legal descriptions are complete and accurate

NA

Copies of off-source notification letters (if applicable)

X

Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)

NA

Copy of (soil or land use) deed restriction(s) or deed notice if any required as a condition of closure.

NA

NA



ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
2129 Jackson Street
Oshkosh, Wisconsin 54901-1805
TDD #: (608) 264-8777
Fax #: (920) 424-0217
<http://www.commerce.state.wi.us>
<http://www.wisconsin.gov>
Jim Doyle, Governor
Cory L. Nettles, Secretary

January 23, 2003

Mr. John Rabideau
Kaukauna Utilities
777 Island Street
PO Box 1777
Kaukauna, WI 54130-7077

RE: Final Closure

Commerce # 54130-2560-70 WDNR BRRTS # 02-45-282322
Kaukauna Electric and Water, 770 Island Street, Kaukauna

Dear Mr. Rabideau:

The Wisconsin Department of Commerce (Commerce) has received all items required for closure of the site referenced above. This site is now listed as "closed" on the Commerce database and will be included on the Wisconsin Department of Natural Resources (WDNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual contamination.

It is in your best interest to keep all documentation related to the environmental activities at your site. If residual contamination is encountered in the future, appropriate measures must be implemented to assure that it is managed following all applicable regulations. If future site conditions indicate that any remaining contamination poses a threat, and subsequent information indicates a need to reopen this case, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

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
Hydrogeologist
Site Review Section

cc: Stuart Boerst-McMahon Associates, Inc.
Case File



January 9, 2003

Mr. John Rabideau
Kaukauna Utilities
777 Island Street
PO Box 1777
Kaukauna, WI 54130-7077

RE: **Conditional Case Closure-Addendum**

Commerce # 54130-2560-70 **WDNR BRRTS # 02-45-282322**
Kaukauna Electric and Water, 770 Island Street, Kaukauna

Dear Mr. Rabideau:

On July 25, 2002, the Wisconsin Department of Commerce (Commerce) granted conditional closure for the above referenced site. The conditions of closure required documentation of well abandonment and a notification be placed on the deed to address benzo(a)pyrene concentrations exceeding the Wisconsin Department of Natural Resources (WDNR) suggested generic soil cleanup levels for direct contact on industrial properties.

On November 26, 2002, 6.08 tons of contaminated soil was removed from the site. Soil samples collected from the sidewalls of the excavation did not contain soil concentrations exceeding the WDNR suggested soil cleanup levels for direct contact on industrial properties. Based on the above, Commerce will no longer require a soil deed notification to address the on-site soil contamination. The site will however need to be placed on the WDNR soil GIS registry to address soil exceeding WDNR suggested generic soil cleanup levels for direct contact on non-industrial property.

The following must be provided to obtain final closure:

- Missing elements of the soil GIS package (highlighted on enclosed checklist).

Commerce received the \$200.00 GIS Registry fee with the soil GIS package in your submittal. The GIS registry fee must be paid to the Wisconsin Department of Natural Resources Redevelopment and Remediation and sent to the Program Assistant. Enclosed is the check you submitted to Commerce. Please resubmit the check to WDNR with the WDNR Bureau for Remedation and Redevelopment Tacking System (BRRTS) number on the "Memo" line of the check. Please send Registry fee to:

Ms. Veronica Lorenz
Wisconsin Department of Natural Resources
Northeast Region Headquarters
1125 N. Military Avenue
PO Box 10448
Green Bay, WI 54307-0448

Mr. John Rabideau

Commerce # 54130-2560-70

WDNR BRRTS # 02-45-282322

Kaukauna Electric and Water, 770 Island Street, Kaukauna

January 9, 2003

Page 2

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". The signature is written in dark ink and is positioned above the typed name.

Beth A. Erdman

Hydrogeologist

Site Review Section

Enclosure

cc: Stuart Boerst-McMahon Associates, Inc.
Case File

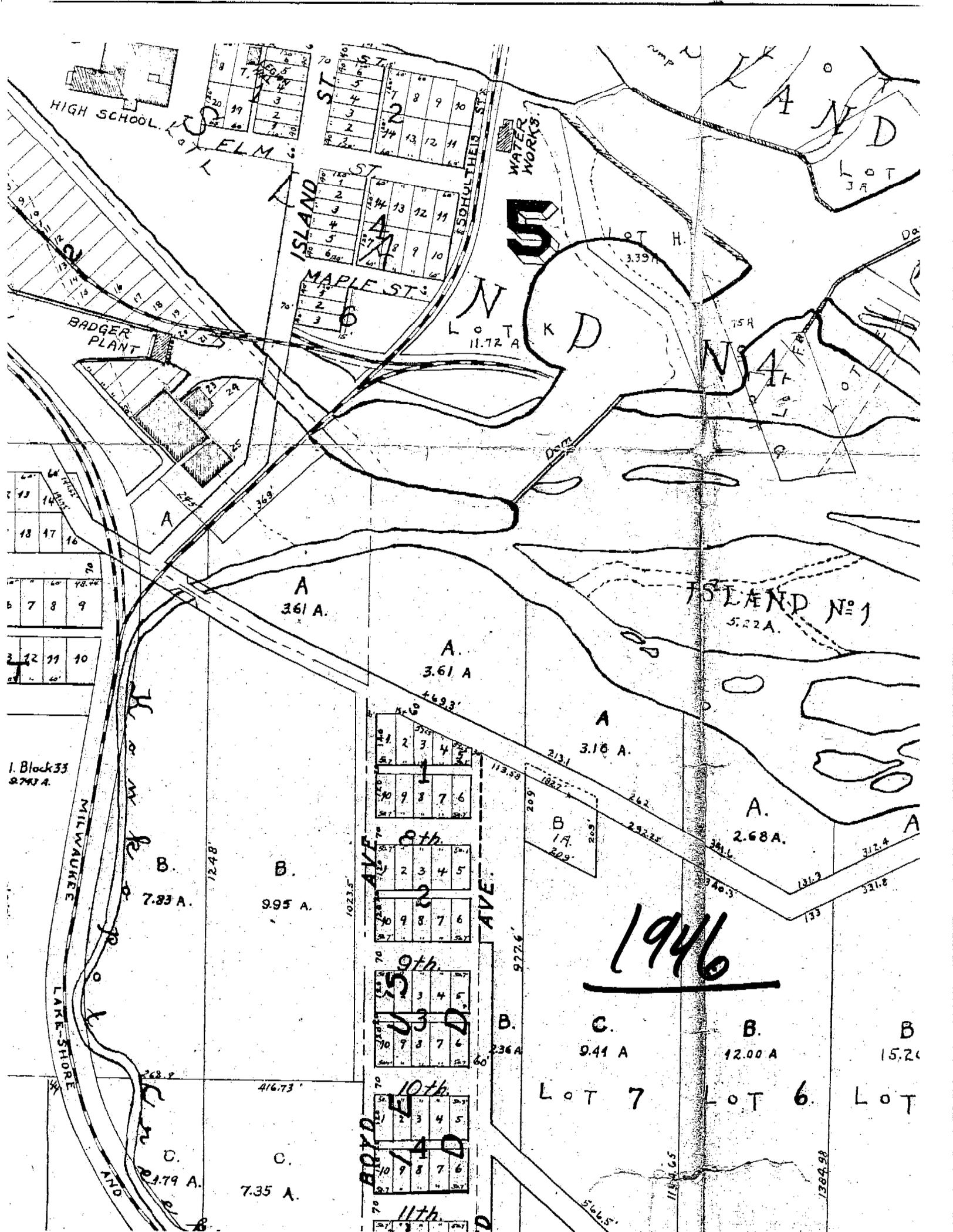
QUIT CLAIM DEED

VOL 942 PAGE 327

THIS INDENTURE, Made by GREEN BAY & MISSISSIPPI CANAL CO., a corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, Grantor, of Outagamie County, Wisconsin, hereby quit-claims to the CITY OF KAUKAUNA, a municipal corporation, Grantee, of Outagamie County, Wisconsin, for the sum of One Dollar (\$1.00) and other valuable considerations, the following tracts of land in Outagamie County, State of Wisconsin, as described in the following recorded instruments:

- Vol. 50 of Deeds, Page 622, Outagamie County Registry.
- Vol. 487 of Deeds, Page 411, Outagamie County Registry.
- Vol. 551 of Records, Page. 283, Outagamie County Registry.
- Vol. 554 of Records, Page 307, Outagamie County Registry.
- Vol. 555 of Records, Page 291, Outagamie County Registry.
- Vol. 50 of Deeds, Page 626, Outagamie County Registry.
- Vol. 19 of Deeds, Page 591, Outagamie County Registry.
- Vol. 30 of Deeds, Page 300, Outagamie County Registry.
- Vol. 81 of Deeds, Page 339, Outagamie County Registry.
- Vol. 605 of Records, Page 381, Outagamie County Registry.
- Vol. 52 of Deeds, Page 31, Outagamie County Registry.
- Vol. 67 of Deeds, Page 159, Outagamie County Registry.
- Vol. 67 of Deeds, Page 170, Outagamie County Registry.
- Vol. 65 of Deeds, Page 240, Outagamie County Registry.
- Vol. 73 of Deeds, Page 439, Outagamie County Registry.
- Vol. 73 of Deeds, Page 443, Outagamie County Registry.
- Vol. 73 of Deeds, Page 448, Outagamie County Registry.

- Vol. 98 of Deeds, Page 612, Outagamie County Registry.
- Vol. 81 of Deeds, Page 629, Outagamie County Registry.
- Vol. 252 of Deeds, Page 579, Outagamie County Registry.
- Vol. 670 of Records, Page 623, Outagamie County Registry.
- Vol. 692 of Records, Page 502, Outagamie County Registry.
- Vol. 707 of Records, Page 176, Outagamie County Registry.
- Vol. 733 of Records, Page 159, Outagamie County Registry.
- Vol. 771 of Records, Page 378, Outagamie County Registry.
- Vol. 156 of Deeds, Page 351, Outagamie County Registry.
- Vol. 115 of Deeds, Page 88, Outagamie County Registry.
- Vol. 201 of Deeds, Page 264, Outagamie County Registry.
- Vol. 261 of Deeds, Page 161, Outagamie County Registry.
- Vol. 775 of Records, Page 319, Outagamie County Registry.
- Vol. 19 of Deeds, Page 591, Outagamie County Registry.
- Vol. 48 of Deeds, Page 278, Outagamie County Registry.
- Vol. 50 of Deeds, Page 573, Outagamie County Registry.
- Vol. 50 of Deeds, Page 621, Outagamie County Registry.
- Vol. 65 of Deeds, Page 394, Outagamie County Registry.
- Vol. 63 of Deeds, Page 608, Outagamie County Registry.
- Vol. 50 of Deeds, Page 90, Outagamie County Registry.
- Vol. 187 of Deeds, Page 244, Outagamie County Registry.
- Vol. 258 of Deeds, Page 282, Outagamie County Registry.



HIGH SCHOOL

ELM ST

ISLAND ST

MAPLE ST

LOT 11.72 A

ISLAND No. 1
5.22 A.

1946

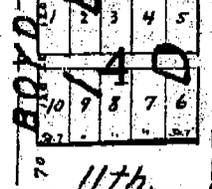
LOT 7

LOT 6

LOT

1. Block 33
2.743 A.

MILWAUKEE LAKE SHORE ROAD



BOYD AVE

AVE

B. 236 A

C. 9.41 A

B. 12.00 A

B. 15.20

B. 7.83 A.

B. 9.95 A.

C. 11.79 A.

C. 7.35 A.

A. 3.61 A.

A. 3.61 A

A. 3.16 A.

A. 2.68 A.

B. 1 A. 209

113.58

209

927.6

60

236 A

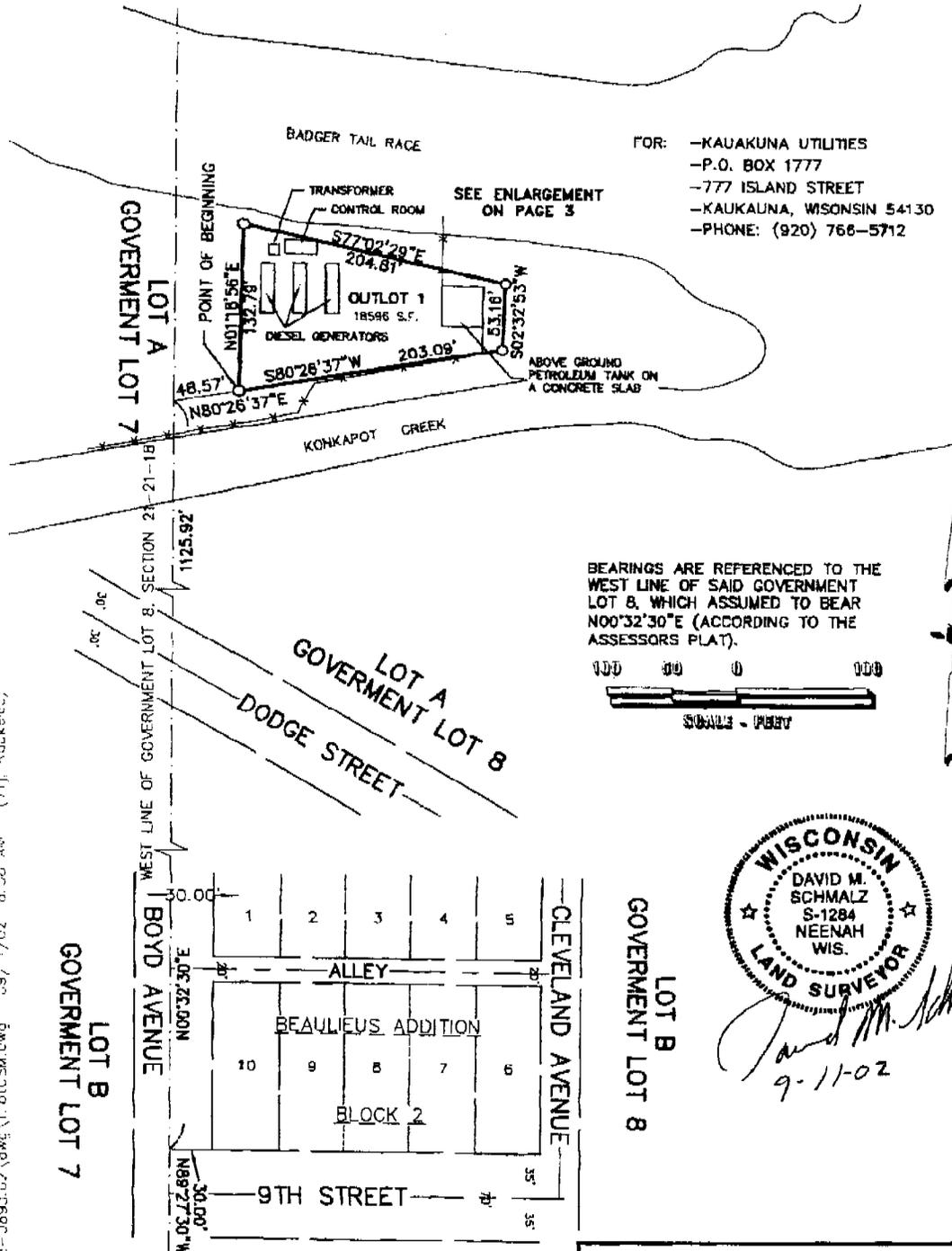
Document Number **1494525** Page 4418 (Three Pages)
Filed this 21 day of October, 2002 at 9:00
a.m. in Volume 24 of Certified Survey Maps on page 4418 being Certified Survey
Map Number 4418.

Janice Flenz
Janice Flenz, Registrar of Deeds

CERTIFIED SURVEY MAP NO. 4418

PAGE 1 OF 3

PART OF LOT A, GOVERNMENT LOT 8, SECTION 21, TOWNSHIP 21 NORTH, RANGE 18 EAST,
CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.



FOR: -KAUKAUNA UTILITIES
-P.O. BOX 1777
-777 ISLAND STREET
-KAUKAUNA, WISCONSIN 54130
-PHONE: (920) 766-5712

BEARINGS ARE REFERENCED TO THE WEST LINE OF SAID GOVERNMENT LOT 8, WHICH ASSUMED TO BEAR N00°32'30"E (ACCORDING TO THE ASSESSORS PLAT).



David M. Schmalz
9-11-02

D:\dgm\k\K0034\92-3893.dwg:otCSM.dwg 09/11/02 8:58 AM (71) Kallencc

LEGEND

○ - 3/4" x 24" ROUND IRON REBAR
WEIGHING 1.5 lbs./lineal ft. SET

S.F. - SQUARE FEET

DRAFTED BY: JON M. KOENIG

McMAHON ■ ENGINEERS
■ ARCHITECTS
■ SCIENTISTS
ASSOCIATES, INC. ■ SURVEYORS

1445 McMahon Drive Neenah, WI 54956
Mailing Address:
P.O. Box 1025 Neenah, WI 54957-1025
TEL: 920-751-4200 FAX: 920-751-4284

Page 4418 (Three Pages)

CERTIFIED SURVEY MAP NO. 4418

PAGE 2 OF 3

PART OF LOT A, GOVERNMENT LOT 8, SECTION 21, TOWNSHIP 21 NORTH, RANGE 18 EAST, CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

I David M. Schmalz, Wisconsin Registered Land Surveyor S-1284, certify that I have surveyed, divided and mapped a part of Lot A, Government Lot 8, Section 21, Township 21 North, Range 18 East, City of Kaukauna, Outagamie County, Wisconsin, containing 18,596 square feet (0.427 acres) of land and more particularly described as follows:

Commencing at the Southwest Corner of Lot 10, Block 2 of Beaulieu Addition in said Section 21; Thence South 89°27'30" West, 30.00 feet to the West Line of said Government Lot 8 as portrayed on said Beaulieu Addition; Thence North 00°32'30" West, 1125.92 feet along said West Line; Thence North 80°26'37" East, 48.57 feet to the Point of Beginning; Thence North 01°18'56" East, 132.79 feet; Thence South 77°02'29" East, 204.81 feet; Thence South 02°32'53" West, 53.16 feet; Thence South 80°26'37" West, 203.09 feet to the Point of Beginning. Subject to all easements and restrictions of record.

I further certify that this map is a correct representation of the exterior boundary lines of the land surveyed and the division of that land, and that I have complied with section 236.34 of the Wisconsin Statutes, and City of Kaukauna Subdivision Ordinance in surveying, dividing and mapping the same.

Given under my hand and seal this 11th day of Sept. 2002.

David M. Schmalz
David M. Schmalz, Reg. WI Land Surveyor S-1284



OWNER'S CERTIFICATE

As Owners, We hereby certify that we caused the land described on this plat to be surveyed, divided and mapped as represented on this Certified Survey Map. Dated this 1st day of October 2002. CITY OF KAUKAUNA

Karen K. Koch
Witness

John J. Lambie
City Mayor

Karen K. Koch
Witness

Susan J. Ruda
City Clerk

State of Wisconsin) as
Outagamie County)

Personally appeared before me on the 17 day of October, 2002, the above named owners to me known to be the persons who executed the foregoing instrument, and acknowledged the same.

Andrew King
Notary Public

Outagamie County, WI

My commission expires 4-13-03

CERTIFICATE OF TREASURER

I, being the duly elected, qualified and acting Treasurer, do hereby certify that in accordance with the records in my office there are no un-paid taxes or un-paid special assessments on any of the lands included in this Certified Survey Map as of:

Kaukauna 10/18/02
City Date

Susan J. Ruda 10/18/02
City Treasurer Date

CERTIFIED SURVEY MAP NO. 4418

PAGE 3 OF 3

PART OF LOT A, GOVERNMENT LOT 8, SECTION 21, TOWNSHIP 21 NORTH, RANGE 18 EAST, CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

CITY OF KAUKAUNA APPROVAL:

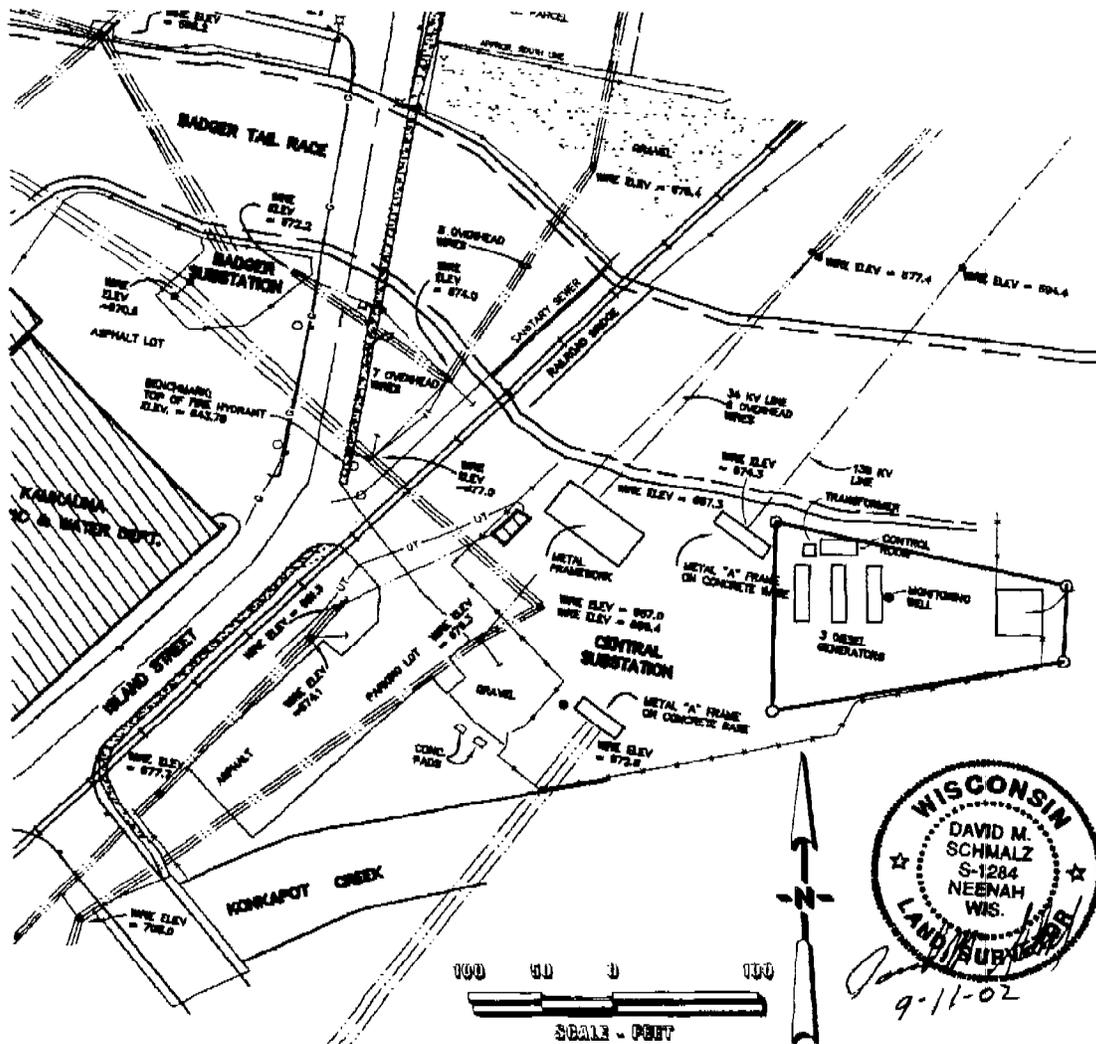
This Certified Survey Map has been reviewed and accepted by the City of Kaukauna, Outagamie County on this 1st day of October, 2002

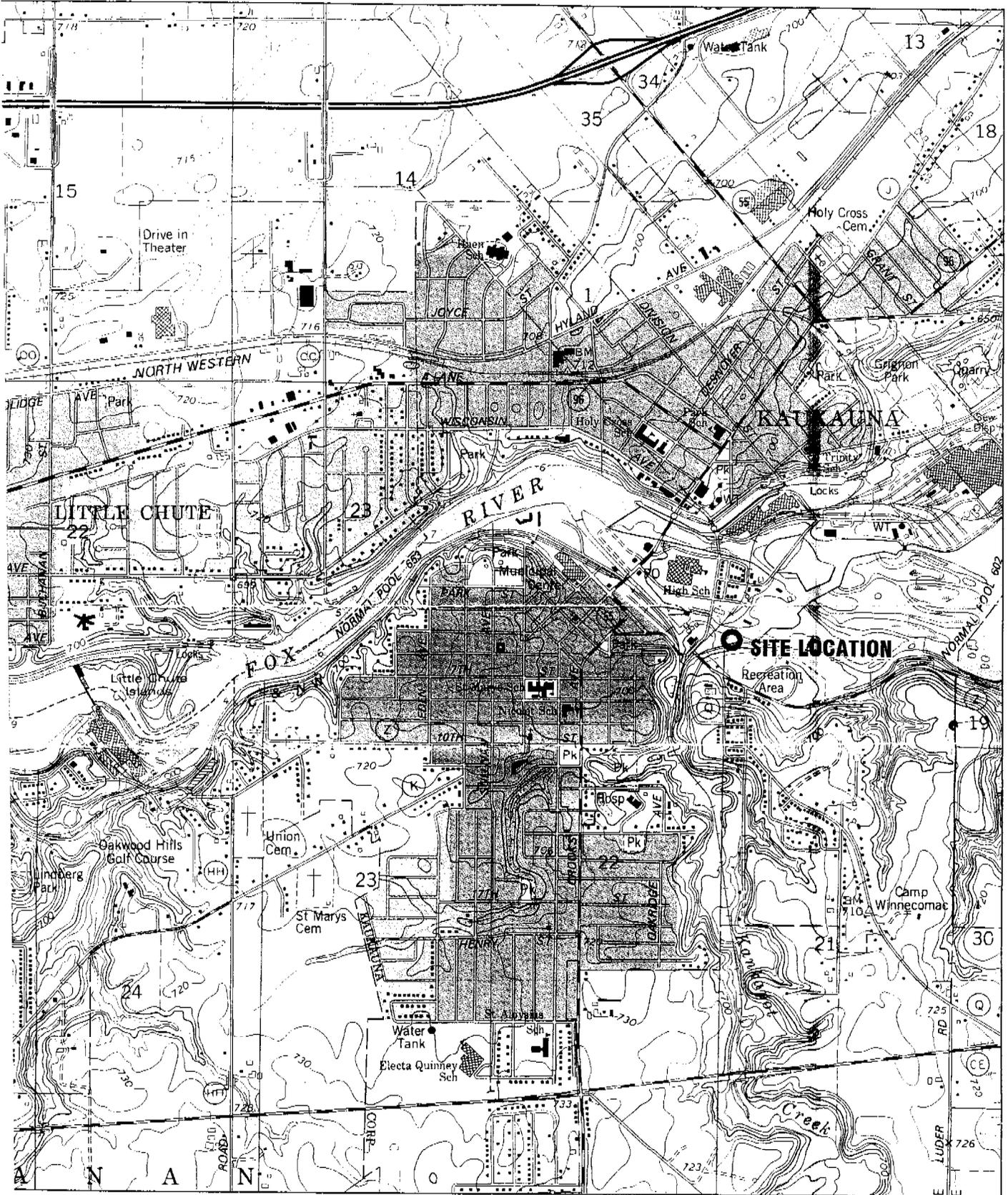
John J. Lemke 10-16-2002
Mayor Date

STATE OF WISCONSIN)
COUNTY OF OUTAGAMIE)ss

I, Clerk/Treasurer of the City of Kaukauna, Outagamie County do hereby certify that the Common Council of the City of Kaukauna passed Resolution Number 3295 on October 1, 2002 authorizing me to issue a certificate of approval of this Certified Survey Map, upon satisfaction of certain conditions, and I do also, being the duly elected, qualified and acting clerk hereby certify that all conditions were satisfied and the APPROVAL WAS GRANT

THE 1st day of October, 2002.
Dated 10/17/02
Susan J. Oude Clerk





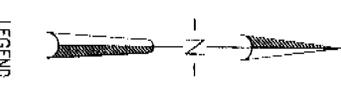
SCALE: 1" = 2000' NORTH ↑

MAHON
ASSOCIATES, INC.
 ENGINEERS ■ ARCHITECTS
 J. MGRS. ■ SURVEYORS

FIGURE 1
SITE LOCATION MAP

KAUKAUNA UTILITIES
 770 ISLAND ST. - KAUKAUNA, WI
 McM #K0004-980893.00 6/14/02
 ID: PPT2002\MCM WISKKAUKAUNA UTIL PPT SAB jmk

- LEGEND**
- B-01** - SOIL BORING
 - B-01 - BACKHOE TEST PIT
 - GS-01 - GROUND SURFACE SAMPLE LOCATION
 - SS-01 - SOIL SAMPLE LOCATION
 - TP-01 - BACKHOE TEST PIT
 - TP-01/6.5' - SOIL SAMPLE LOCATION/SAMPLE DEPTH
 - ◆ - MONITORING WELL
 - W-14/3.0' - WALL SAMPLE/DEPTH (FEET)
 - - EXCAVATION LIMITS
- EXCAVATION 1 - 52 TONS OF CONTAMINATED SOIL REMOVED ON OCT 21, 1999**
- EXCAVATION 2 - 133 TONS OF CONTAMINATED SOIL REMOVED ON SEPT. 18, 2000**
- EXCAVATION 3 - 600 TONS OF DIESEL CONTAMINATED SOIL REMOVED ON APRIL 4 & 5, 2001**
- EXCAVATION 4 - 136 TONS OF DIESEL AND WASTE LUBRICANT OIL CONTAMINATED SOIL REMOVED ON APRIL 9 & 19, 2001**
- UNDERGROUND ELECTRIC LINE
 - UNDERGROUND GROUND LINE
 - MW-03◆ - MONITORING WELL LOCATION



**KAUKAUNA UTILITIES
CENTRAL SUBSTATION**

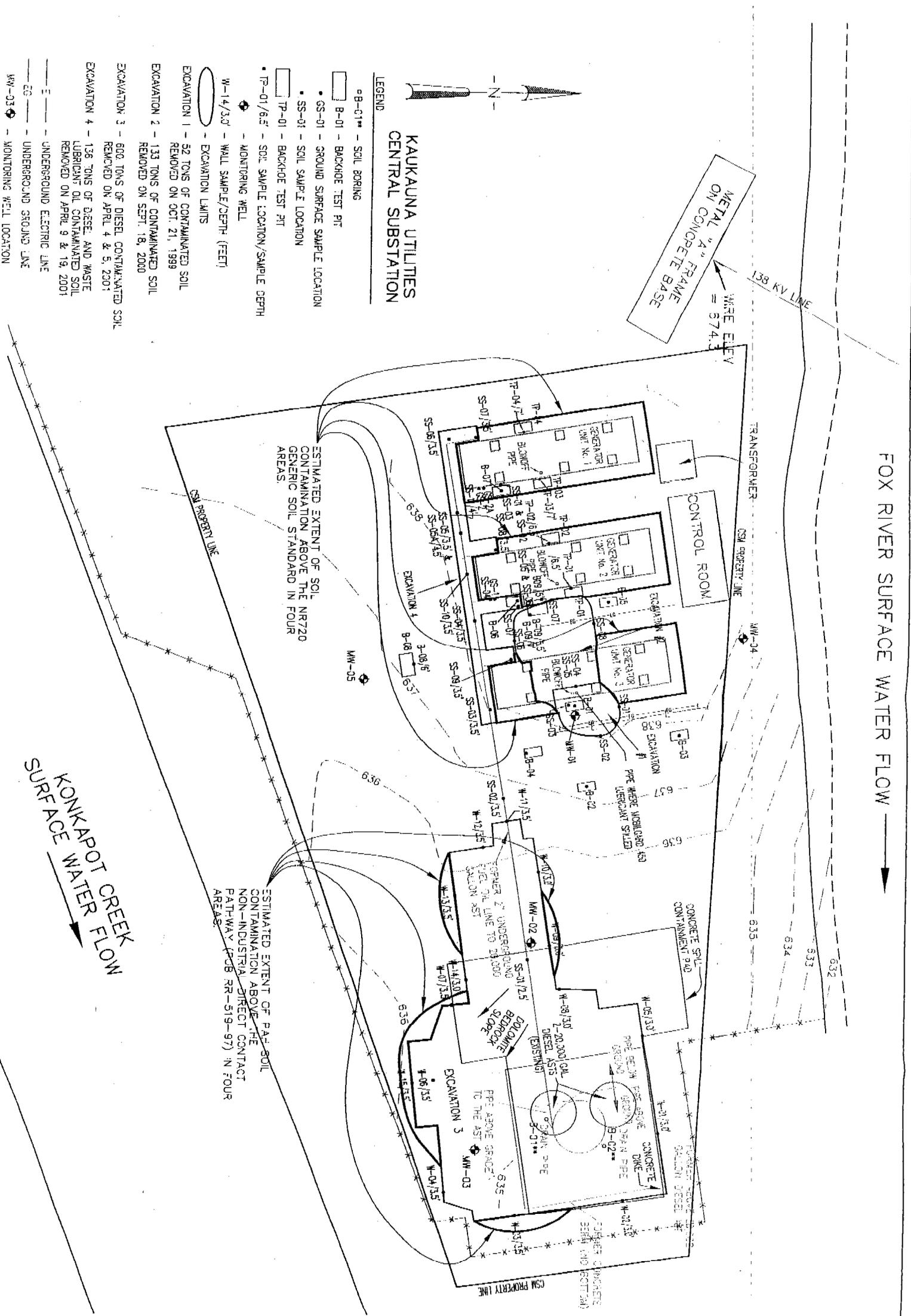


FIG. 3

SHEET NO.

SCALE
1" = 20'

DATE
DECEMBER, 2002

PROJECT NO.
K004-98893.00

**SOIL SAMPLE AND
MONITORING WELL LOCATIONS
KAUKAUNA UTILITIES, 770 ISLAND ST.
KAUKAUNA, WISCONSIN**

DESIGNED
SAB

DRAWN
MJA

CHECKED

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McMAHON ENGINEERS
ARCHITECTS
SCIENTISTS
SURVEYORS

ASSOCIATES, INC.

1445 McMahon Drive Neenah, WI 54956
Mailing Address:
P.O. Box 1025 Neenah, WI 54957-1025
TEL: 920-751-4200 FAX: 920-751-4284

Table #1

SITE ASSESSMENT SOIL ANALYTICAL RESULTS
DRO's & PVOc's

Site #2

Kaukauna Utilities

Diesel Generator Area - 770 Island Street, Kaukauna, WI

Sample Name	Soil Removed	Sample Depth (feet)	Sample Date	DRO (mg/kg)	Benzene (ug/kg)	Ethyl Benzene (ug/kg)	Methyl-tert butyl-ether (ug/kg)	Toluene (ug/kg)	1,2,4 Trimethyl benzene (ug/kg)	1,3,5 Trimethyl benzene (ug/kg)	Total Xylenes (ug/kg)
B-01**	Yes - Excavation 3	1.0	03/23/01	29	<25	<25	<25	<25	<25	<25	<75
B-01**	Yes - Excavation 3	3.0	03/23/01	40	<25	<25	<25	<25	<25	<25	<75
B-02**	Yes - Excavation 3	1.0	03/23/01	1,200	<25	<25	<25	<25	<25	<25	<75
B-02**	Yes - Excavation 3	2.0	03/23/01	540	<25	<25	<25	<25	<25	<25	<75
B-02**	Yes - Excavation 3	3.0	03/23/01	43	<25	<25	<25	<25	<25	<25	<75
NR 720 Generic Soil Standard				100	5.5	2,900	----	1,500	----	----	4,100
Suggested DNR Groundwater Pathway Cleanup Level											
Suggested DNR Non-Industrial Direct Contact Cleanup Level											
Suggested DNR Industrial Direct Contact Cleanup Level											

EXPLANATION:

- DRO = Diesel Range Organics
- PVOC = Petroleum Volatile Organic Compounds
- NA = Not analyzed for
- Bold Type** = Exceeds Generic Soil Standard (Chapter NR 720)
- B-01** = Hand Auger Boring Sample

- No Established Standard
- * = Analyte detected between Limit of Detection & Limit of Quantitation
- < = Less than
- ug/kg = Microgram / Kilogram (ppb)
- mg/kg = Milligram / Kilogram (ppm)

Table #2

Excavation 3
REMEDATION SOIL ANALYTICAL RESULTS
DRO's & PVOc's
Site #2

Kaukauna Utilities
 Diesel Generator Area - 770 Island Street, Kaukauna, WI

Sample Name/Depth (feet)	Soil Removed	Sample Date	DRO (mg/kg)	Benzene (ug/kg)	Ethyl Benzene (ug/kg)	Methyl-tert butyl-ether (ug/kg)	Toluene (ug/kg)	1,2,4 Trimethyl benzene (ug/kg)	1,3,5 Trimethyl benzene (ug/kg)	Total Xylenes (ug/kg)
SS-01 / 2.5'	Yes	04/05/01	6,400	<25	<25	<25	140	1,500	890	100
W-01 / 3'	No	04/04/01	35	<25	<25	<25	<25	<25	<25	<75
W-02 / 3'	No	04/04/01	<10	<25	<25	<25	<25	<25	<25	<75
W-03 / 3.5'	No	04/04/01	<10	<25	<25	<25	<25	<25	<25	<75
W-04 / 3.5'	No	04/04/01	<10	<25	<25	<25	<25	<25	<25	<75
W-05 / 3.0'	No	04/04/01	<10	<25	<25	<25	<25	<25	<25	<75
W-06 / 3.5'	Yes	04/04/01	<10	<25	<25	<25	<25	120	41*	<75
W-07 / 3.5'	No	04/04/01	<10	<25	<25	<25	<25	38	26*	<75
W-08 / 3.0'	No	04/04/01	<10	<25	<25	<25	<25	<25	<25	<75
W-09 / 3.0'	No	04/05/01	10	<25	<25	<25	<25	41	<25	<75
W-10 / 3.0'	No	04/05/01	<10	<25	39	<25	<25	41	<25	<75
W-11 / 3.5'	No	04/05/01	<10	<25	<25	<25	<25	<25	<25	<75
W-12 / 3.5'	No	04/05/01	<10	<25	<25	<25	<25	<25	<25	<75
W-13 / 3.5'	No	04/05/01	24	<25	<25	<25	29	<25	<25	<75
W-14 / 3.0'	No	04/05/01	<10	<25	<25	<25	<25	<25	<25	<75
W-15 / 3.5'	No	11/26/02	9.9	<25	<25	<25	<25	<25	<25	<25
NR 720 Generic Soil Standard			100	5.5	2,900	---	1,500	---	---	4100

EXPLANATION:

- DRO = Diesel Range Organics
- PVOC = Petroleum Volatile Organic Compounds
- = No Established State Soil Standard
- Boxed Type** = Exceeds Generic Soil Standard (Chapter NR 720)
- ** = Analyzed for PAH's; however, there were no PAH's detected.

- W = Wall Soil Sample
- ug/kg = Microgram / Kilogram (ppb)
- mg/kg = Milligram / Kilogram (ppm)
- SS = Soil Sample
- < = Less Than

Table #3

EXCAVATION 3
Remediation Soil Analytical Results
Detected PAHs

Kaukauna Utilities
Diesel Generator Area - 170 Island Street, Kaukauna, WI

Sample Name / Depth (feet)	Sample Date	Soil Removed	Acenaphthene (ug/kg)	Acenaphthylene (ug/kg)	Anthracene (ug/kg)	Benzo(a)anthracene (ug/kg)	Benzo(a)pyrene (ug/kg)	Benzo(b)fluoranthene (ug/kg)	Benzo(k)fluoranthene (ug/kg)	Chrysene (ug/kg)	Dibenz(a,h)anthracene (ug/kg)	Fluoranthene (ug/kg)	Fluorene (ug/kg)	Indeno(1,2,3-cd)pyrene (ug/kg)	1-Methyl naphthalene (ug/kg)	2-Methyl naphthalene (ug/kg)	Naphthalene (ug/kg)	Phenanthrene (ug/kg)	Pyrene (ug/kg)
SS-01 / 2.5'	04/03/01	Yes	<350	<350	4,400	710*	560*	1,000*	<990*	700*	<820	2,500	19,000	<670	85,000	3,100	2,500	45,000	3,000
W-01 / 3'	04/04/01	No	<24	<35	<46	<47	<47	<53	<89	<47	<52	<21	<20	<87	<85	<87	<44	<41	<45
W-02 / 3'	04/04/01	No	<35	<35	<46	<47	<47	<53	<89	<47	<52	<21	<20	<87	<85	<87	<44	<41	<45
W-03 / 3.5'	04/04/01	No	<35	<35	75*	152*	120*	150	<91	120*	<52	310	38*	68*	<85	<87	<44	320	300
W-04 / 3.5'	04/04/01	No	<35	<35	<46	<47	<47	<53	<89	<47	<52	40*	<20	<87	<85	<87	<44	<41	<45
W-05 / 3.0'	04/04/01	No	<35	<35	41*	<46	<47	<53	<89	<47	<52	22*	<20	<87	<85	120*	<44	<41	<45
W-06 / 3.5'	04/04/01	Yes	66*	350	520	480	380	390	390	530	130*	1,400	180	280	<85	<87	250	1,500	1,300
W-07 / 3.5'	04/04/01	No	<24	39*	49*	50*	66*	66*	<89	52*	<52	120*	510	<87	2,300	230*	150*	680	100*
W-08 / 3.0'	04/04/01	No	<24	<35	<46	<47	<47	<53	<89	<47	<52	66*	<20	<87	<85	<87	<44	59*	64*
W-09 / 3.0'	04/03/01	No	<35	<35	<36	140*	140*	250	<94	150*	<52	190	28*	100*	170*	220	78*	110*	190
W-10 / 3.0'	04/03/01	No	<35	<35	<36	<47	<47	75*	<89	<47	<52	62*	<20	<87	<85	<87	<44	43*	71*
W-11 / 3.5'	04/03/01	No	<35	<35	<36	<46	<47	<53	<89	49*	<52	85	<20	<87	<85	<87	<44	62*	74*
W-12 / 3.5'	04/03/01	No	<35	<35	<36	<46	<47	<53	<89	<47	<52	52*	<20	<87	<85	<87	<44	<41	48*
W-13 / 3.5'	04/03/01	No	59*	100*	270	220	230	180*	150*	270	77*	520	34*	150*	<85	<87	<44	320	500
W-14 / 3.0'	04/03/01	No	<35	<35	<36	<46	<47	82*	<89	51*	<52	100	25*	<87	<85	<87	<44	66*	84*
W-15 / 3.5'	11/23/02	No	<14	<22	<14	19	19	18	17	20	<9.4	39	<7.5	18	<8.6	<9.4	<9.4	19	35
Suggested DNR Groundwater Pathway Level			1,200	6,000,000	30,000	90,000	650,000	12,000,000	1,600,000	66,000	69,000	1,000,000	200,000	1,200,000	42,000	30,000	700	3,300	16,000,000
Suggested DNR Non-Industrial Other Contact Level			18,000	5,000,000	88	88	88	1,800	880	8,800	88	600,000	600,000	88	1,100,000	800,000	20,000	18,000	500,000
Suggested DNR Industrial Direct Contact Level			380,000	3,000,000,000	3,900	390	3,900	39,000	390,000	390,000	390	40,000,000	40,000,000	3,900	70,000,000	40,000,000	110,000	390,000	30,000,000

SS = Soil Sample
W = Wall Soil Sample
* = Analyte detected between Lim 1 of Detection (LOD) and Lim 1 of Quantitation (LOQ)
< = Less Than

EXPLANATION
ug/kg = Microgram / Kilogram (ppb)
ug/g = Microgram / Gram (ppm)
ug/l = Microgram / Liter (ppb)
Bold Type = Exceeds DAR Suggested Generic Soil Cleanup Level for the Groundwater Pathway (Publication R-5-19-97)
Italic Type = Exceeds DAR Suggested Generic Soil Cleanup Level for the Non-Industrial Direct Contact Pathway (Publication R-5-19-97)
Underline Type = Exceeds DAR Suggested Generic Soil Cleanup Level for the Industrial Direct Contact Pathway (Publication R-5-19-97)
* = Analyte detected between Lim 1 of Detection (LOD) and Lim 1 of Quantitation (LOQ)
< = Less Than
SS = Soil Sample
W = Wall Soil Sample



"Community Owned, Customer Driven"

November 7, 2002

Ms. Beth Erdman
Department of Commerce
2129 Jackson Street
Oshkosh WI 54901-1805

Re: Legal Description Statement
Kaukauna Utilities, Diesel AST Project
BRRTS # 54130-2560-70

Dear Beth:

Kaukauna Utilities believes the legal description on Certified Survey Map No. 4418 is accurate. If you have any questions, please contact me at 920.462.0220.

Sincerely,

KAUKAUNA UTILITIES

A handwritten signature in cursive script that reads "John R. Rabideau".

John R. Rabideau
Generation Superintendent