

GIS Registry Disclaimer

This case was closed by the DNR prior to August 1, 2002, when DNR began adding approved cleanups with residual soil contamination into the GIS Registry. Certain documents that are currently required by ch. NR 726, Wis. Adm. Code may therefore not be included in this packet as they were unavailable at the time the original case was closed.

The information contained in this document was assembled by DNR from a previously closed case file, and added to the GIS Registry to provide the public with information on closed sites with residual soil and/or groundwater contamination remaining above applicable state standards.

GIS REGISTRY

Cover Sheet

July, 2008
(RR 5367)

Source Property Information

BRRTS #:

ACTIVITY NAME:

PROPERTY ADDRESS:

MUNICIPALITY:

PARCEL ID #:

CLOSURE DATE:

FID #:

DATCP #:

COMM #:

*WTM COORDINATES:

X: Y:

** Coordinates are in
WTM83, NAD83 (1991)*

WTM COORDINATES REPRESENT:

Approximate Center Of Contaminant Source

Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

Groundwater Contamination > ES (236)

Contamination in ROW

Off-Source Contamination

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

Soil Contamination > *RCL or **SSRCL (232)

Contamination in ROW

Off-Source Contamination

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

Land Use Controls:

Soil: maintain industrial zoning (220)

*(note: soil contamination concentrations
between residential and industrial levels)*

Structural Impediment (224)

Site Specific Condition (228)

Cover or Barrier (222)

*(note: maintenance plan for
groundwater or direct contact)*

Vapor Mitigation (226)

Maintain Liability Exemption (230)

*(note: local government or economic
development corporation)*

Monitoring wells properly abandoned? (234)

Yes No N/A

** Residual Contaminant Level*

***Site Specific Residual Contaminant Level*

This Adobe Fillable form is intended to provide a list of information that is required for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

NOTICE: Completion of this form is mandatory for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, including cases closed under ch. NR 746 and ch. NR 726. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than reviewing closure requests and determining the need for additional response action. The Department may provide this information to requesters as required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS #: 02-13-001006 PARCEL ID #: 281/0511-054-6820-9

ACTIVITY NAME: IKI Manufacturing WTM COORDINATES: X: 584007 Y: 272268

CLOSURE DOCUMENTS (the Department adds these items to the final GIS packet for posting on the Registry)

- Closure Letter**
- Maintenance Plan** (if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)
- Conditional Closure Letter**
- Certificate of Completion (COC)** for VPLE sites

SOURCE LEGAL DOCUMENTS

- Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).
Figure #: **Title: Plat of Survey**
- Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

MAPS (meeting the visual aid requirements of s. NR 716.15(2)(h))

Maps must be no larger than 8.5 x 14 inches unless the map is submitted electronically.

- Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
Note: Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.
Figure #: A1 **Title: Site Location Map**
- Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: **Title:**
- Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: 6.4 **Title: Summary of Soil Sample Test Results**

BRRTS #: 02-13-001006

ACTIVITY NAME: IKI Manufacturing

MAPS (continued)

- Geologic Cross-Section Map:** A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

Figure #: 4.1 **Title: Geologic Cross Section AA and BB**

Figure #: 4.3 **Title: Cross Section AA**

- Groundwater Isoconcentration Map:** For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.

Note: *This is intended to show the total area of contaminated groundwater.*

Figure #: **Title:**

- Groundwater Flow Direction Map:** A map that represents groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

Figure #: 5.1 **Title: Water Table Contour Map**

Figure #: **Title:**

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

Tables must be no larger than 8.5 x 14 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

- Soil Analytical Table:** A table showing remaining soil contamination with analytical results and collection dates.
Note: This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

Table #: **Title:**

- Groundwater Analytical Table:** Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

Table #: **Title: Summary of Historical Groundwater Analysis Results**

- Water Level Elevations:** Table(s) that show the previous four (at minimum) water level elevation measurements/dates from all monitoring wells. If present, free product is to be noted on the table.

Table #: **Title: Groundwater Elevations**

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.

Note: *If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.*

- Not Applicable**

- Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.

Note: *If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.*

Figure #: **Title:**

- Well Construction Report:** Form 4440-113A for the applicable monitoring wells.

- Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

- Notification Letter:** Copy of the notification letter to the affected property owner(s).

BRRTS #: 02-13-001006

ACTIVITY NAME: IKI Manufacturing

NOTIFICATIONS

Source Property

- Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

Off-Source Property

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

- Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.

Note: Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.

Number of "Off-Source" Letters:

- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.
- Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.

- Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

Number of "Governmental Unit/Right-Of-Way Owner" Letters:



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

October 1, 2001

File Ref: Dane County
02-13-001006

Mr Larry Midtbo
IKI Manufacturing
411 Ridge Street
Stoughton, WI

Subject: Final Site Closure - IKI Manufacturing, 411 Ridge Street, Stoughton

Dear Mr. Midtbo:

On February 26, 2001 your site as described above was reviewed for closure by the South Central Region Closure Committee. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On, February 28, 2001 you were notified that the Closure Committee had granted conditional closure to this case.

On September 26, 2001 the Department received correspondence indicating that you have complied with the conditions of closure. Based on the correspondence and data provided, it appears that your site has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

Please be aware that this 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 the environment.

If you have any questions regarding this letter, please contact me at 608-275-3303.

Sincerely,


Michael Schmoller
Hydrogeologist

cc: Tim Melka, Montgomery Watson, One Science Court, Madison, WI 53705

3355137

08-01-2001 7:50 AM

Trans. Fee

Rec. Fee 16.00
Pages 4

Document No.

DEED RESTRICTION

Declaration of Restrictions

In Re: Part of Lots 18, 19, 20 and 21, Block 6, O.M. Turner's Addition to the Village of Stoughton, in the City of Stoughton, Dane County, Wisconsin, described as follows: Beginning at a point on the North line of Ridge Street distant thereon 7.68 feet West of the West line of said Lot 19, said point also being 162 feet Northeasterly of the Northeasterly line of the Chicago, Milwaukee, St. Paul, and Pacific Railroad right of way; thence N29°W along a line parallel to the Northeasterly line of said Railroad and 162 feet distant therefrom 140 feet to the point of beginning of this description; thence continuing N29°W parallel to said railroad and 162 feet therefrom, 140 feet; thence Northeasterly along a line to a point on the Southwesterly line of a 50 foot street (the extension of said line running in a Northeasterly direction shall intersect the East line of said Lot 19 at a point 346.8 feet North of the North line of Ridge Street); thence Southeasterly along the Southwesterly line of said 50 foot street to the intersection with a straight line drawn from the point of beginning through a point on the East line of said Lot 19 which point is 143 feet North of the North line of Ridge Street; thence Westerly to the point of beginning.

Part of Lots 20, 21, and 22, Block 6, O.M. Turner's Addition to the Village of Stoughton, in the City of Stoughton, described as follows: Beginning at a point on the North line of Ridge Street that is 7.68 feet West of the intersection of the West line of Lot 19, Block 6, and the said North line, said point also being 162 feet Northeasterly of (measured at right angles to) the Northeasterly line of the Chicago, Milwaukee, St. Paul, and Pacific Railroad right of way; thence N29°W 280 feet along vacated Ridge Street (parallel to and 162 feet from said right of way line) to the point of beginning of this description; thence Northeasterly at right angles to last described line 132 feet; thence N29°W 66 feet; thence Southwesterly at right angles to last described line 132 feet; thence S29°E 66 feet to the point of beginning.

Return to:

Reinhart, Boerner, Van Deuren,
Norris & Rieselbach, s.c.
P.O. Box 2018
Madison, WI 53701-2018

Parcel Number(s) 281/0511-054-6820-9

4/6

If the Property will be used or developed for a residential or agricultural use, an investigation shall be conducted to determine the degree and extent of groundwater or soil contamination that remains on the Property and remedial action shall be taken as necessary to meet all applicable public health and environmental soil cleanup and solid waste management standards.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the Property whether by descent, devise, purchase or otherwise. This restriction inures to the benefit of and is enforceable by the Wisconsin Department of Natural Resources, its successors or assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate one or more of these covenants, to prevent the proposed violation(s) or to recover damages for such violation(s).

Any person who is or becomes Owner of the Property described above may request that Wisconsin Department of Natural Resources or its successor or assign issue a determination that a part or all of the restrictions set forth in this covenant is (are) no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not any restrictions contained herein can be extinguished. If the Department determines that the restrictions or part thereof can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded by the Owner or other interested party to give notice that these restrictions, or portions thereof, are no longer binding.

Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed or reconstructed on this property unless applicable requirements are met.

By signing this document, the members assert that they are duly authorized to sign this document on behalf of Stoughton Packaging Corporation.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 20th day of July, 2001.

STOUGHTON PACKAGING CORPORATION.

By

Stanley O. Midtbo
Stanley O. Midtbo
President

Attest:

Lawrence B. Midtbo
Lawrence B. Midtbo
Secretary

Subscribed and sworn to before me by Lawrence B. Midtbo
this 20 day of JULY, 2001.

Raymond M. Roder
Name: Raymond M. Roder
Notary Public, State of Wisconsin
My Commission: Sept 2003

This document was drafted by Reinhart, Boerner, Van Deuren, Norris & Rieselbach, s.c.

Raymond M. Roder, Esq.
Reinhart, Boerner, Van Deuren, Norris & Rieselbach, s.c.
22 East Mifflin Street, Suite 600
P.O. Box 2018
Madison, WI 53701-2018

PLAT OF SURVEY

R.F. Sarko and Associates, Inc.
Land Surveyors
2919 University Avenue
Madison, Wisconsin 53705



Mark Kupsch
10-2-91

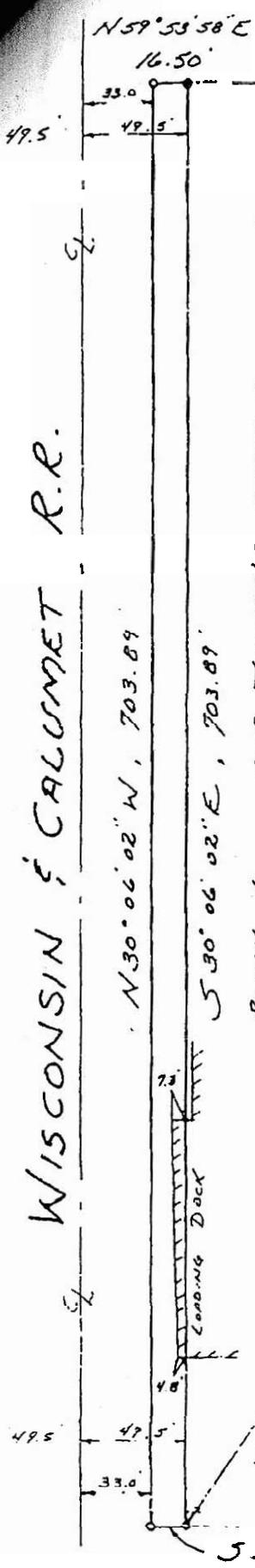
GRID
BEARINGS REFER TO T&E
5 LINE OF SEC 5-5-11
RECORDED AS 5 89° 45' 23" W
IN C.S.M. # 4522

SCALE: 1" = 60'

LEGEND

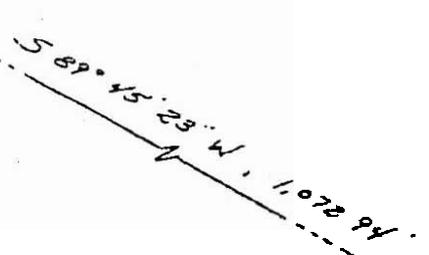
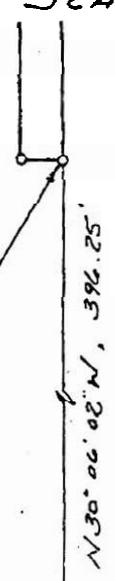
- CONCRETE MON. FOUND
- 1" IRON PIPE FOUND
- 1" x 24" IRON PIPE SET

WISCONSIN & CALUMET R.R.



N 30° 06' 02" W, 703.89
S 30° 06' 02" E, 703.89

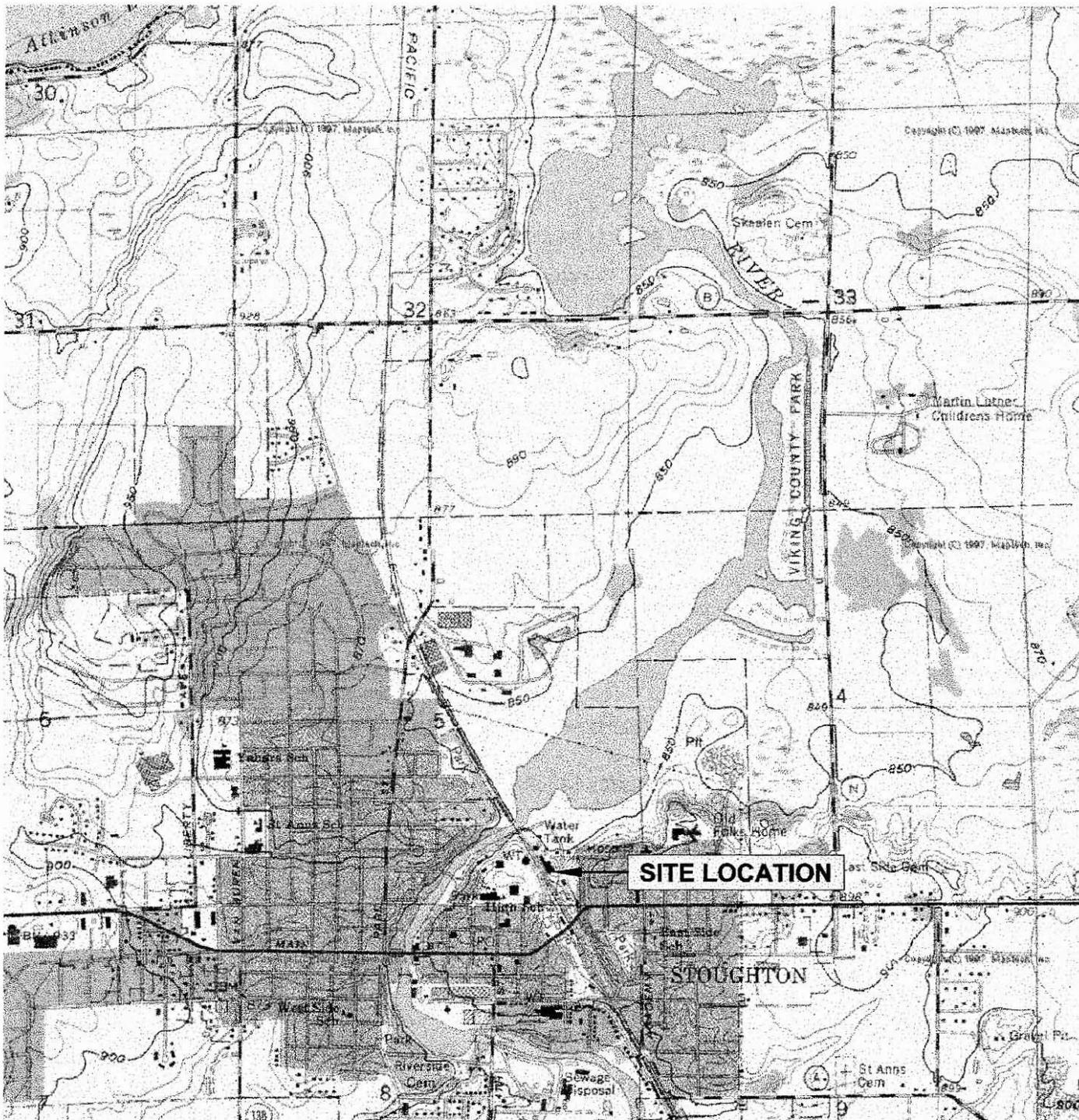
BLOCK 4, O.M. TURNER'S ADDITION
SAME POINT



LANDS RECORDED IN
Vol 414, Pg. 73, Doc # 1355400
(150')

Map Number: 4-25147
Job Number: 29227
Page One of Two

R22E



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

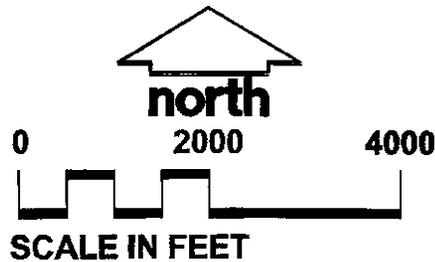
Management Review
 Other
 11-10-99
 Project Manager MCB
 Technical Review
 11-3-99
 Graphic Standards DLF
 Lead Professional
 Quality Control

NOTE

BASE MAP DEVELOPED FROM THE STOUGHTON, WISCONSIN 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP, DATED 1961, PHOTOREVISED 1982.

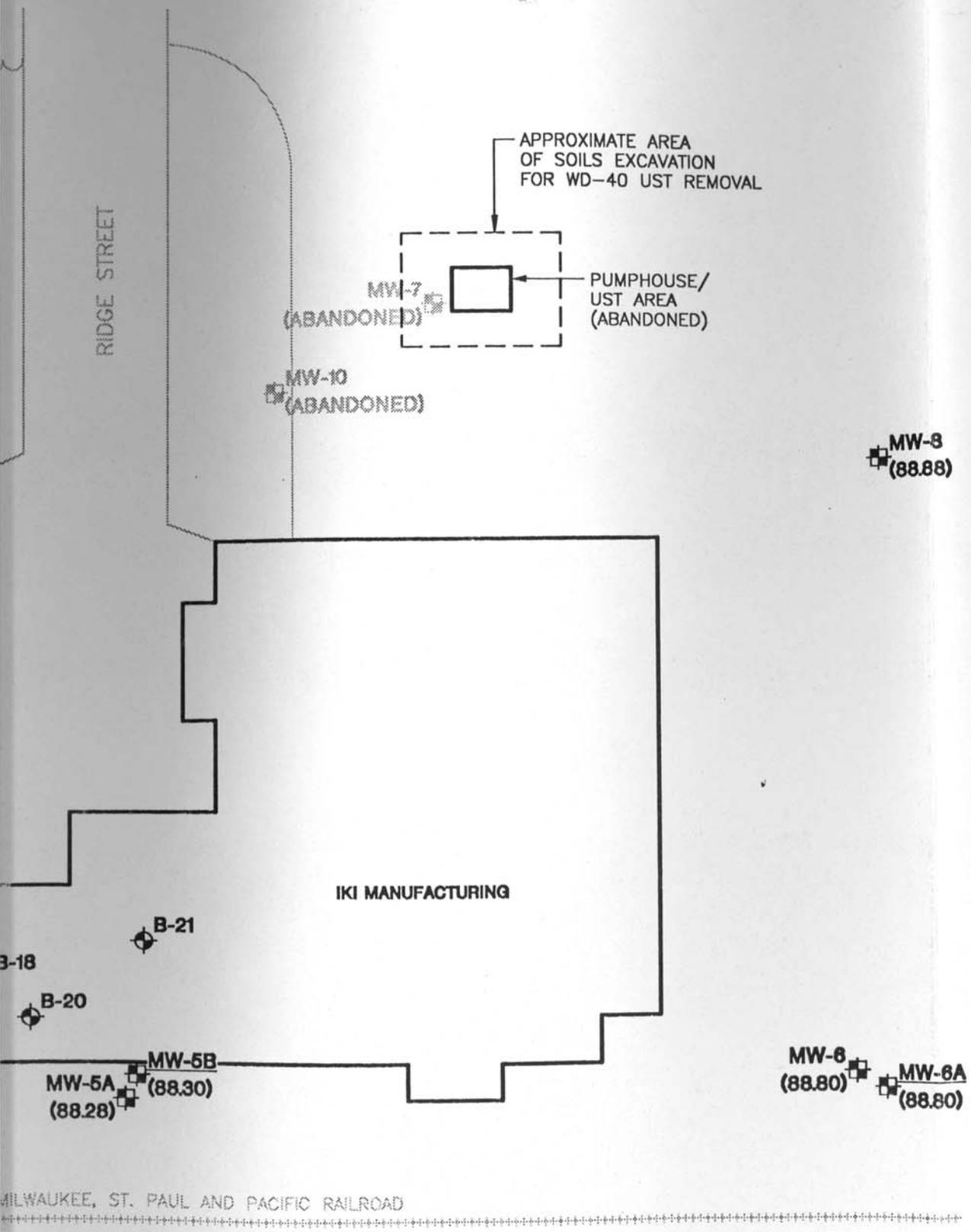


QUADRANGLE LOCATION



SCALE IN FEET

Developed By	MCB	Drawn By	LCL	SITE LOCATION MAP	Drawing Number	1242147
Approved By	Margaret Blanchard	Date	12/21/99		07180101	A1
Reference					MONTGOMERY WATSON	
Revisions						
				IKI MANUFACTURING CO., INC. 411 RIDGE STREET STOUGHTON, WISCONSIN		

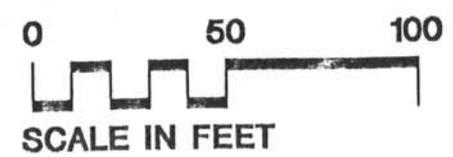


LEGEND

- +++++ RAILROAD
- ||||| EARTH BERM
- x-x-x-x- FENCE
- LP TANK
- MINERAL SPIRIT TANK
- FILL PIPE
- MW-1 MONITORING WELL LOCATION AND NUMBER
- MW-6B PIEZOMETER LOCATION AND NUMBER
- ⊕ HAND AUGER BORING LOCATION
- ⊕ B-1 SOIL BORING LOCATION AND NUMBER

NOTES

1. BASE MAP DEVELOPED FROM FIGURE 3, SITE MAP WATER TABLE CONTOURS, FOR IKI MANUFACTURING, INC. PREPARED BY DAMES & MOORE.
2. MONITORING WELLS MW-1, MW-2, MW-4, AND PIEZOMETER MW-3B INSTALLED JULY 1991.
3. MONITORING WELLS MW-5A, MW-6, AND PIEZOMETER MW-5B INSTALLED JULY 1992.
4. MONITORING WELLS MW-7, MW-8, AND PIEZOMETER MW-6A INSTALLED MAY 1993.
5. MONITORING WELLS MW-9A, MW-10, AND PIEZOMETER MW-9B INSTALLED JUNE 1994.
6. SOIL BORINGS B-1, B-2 AND B-3 DRILLED JULY 1991.
7. SOIL BORINGS B-4 TO B-16 DRILLED JULY 1992.
8. SOIL BORINGS B-17 TO B-21 DRILLED JUNE 1994.
9. SOIL BORINGS B-17 TO B-21 DRILLED JUNE 1994.
10. MW-3C INSTALLED MAY 1997.
11. MW-2, MW-7, AND MW-10 ABANDONED MAY 1997.
12. PUMPHOUSE AND USTs (WD-40) REMOVED IN OCTOBER 1997.

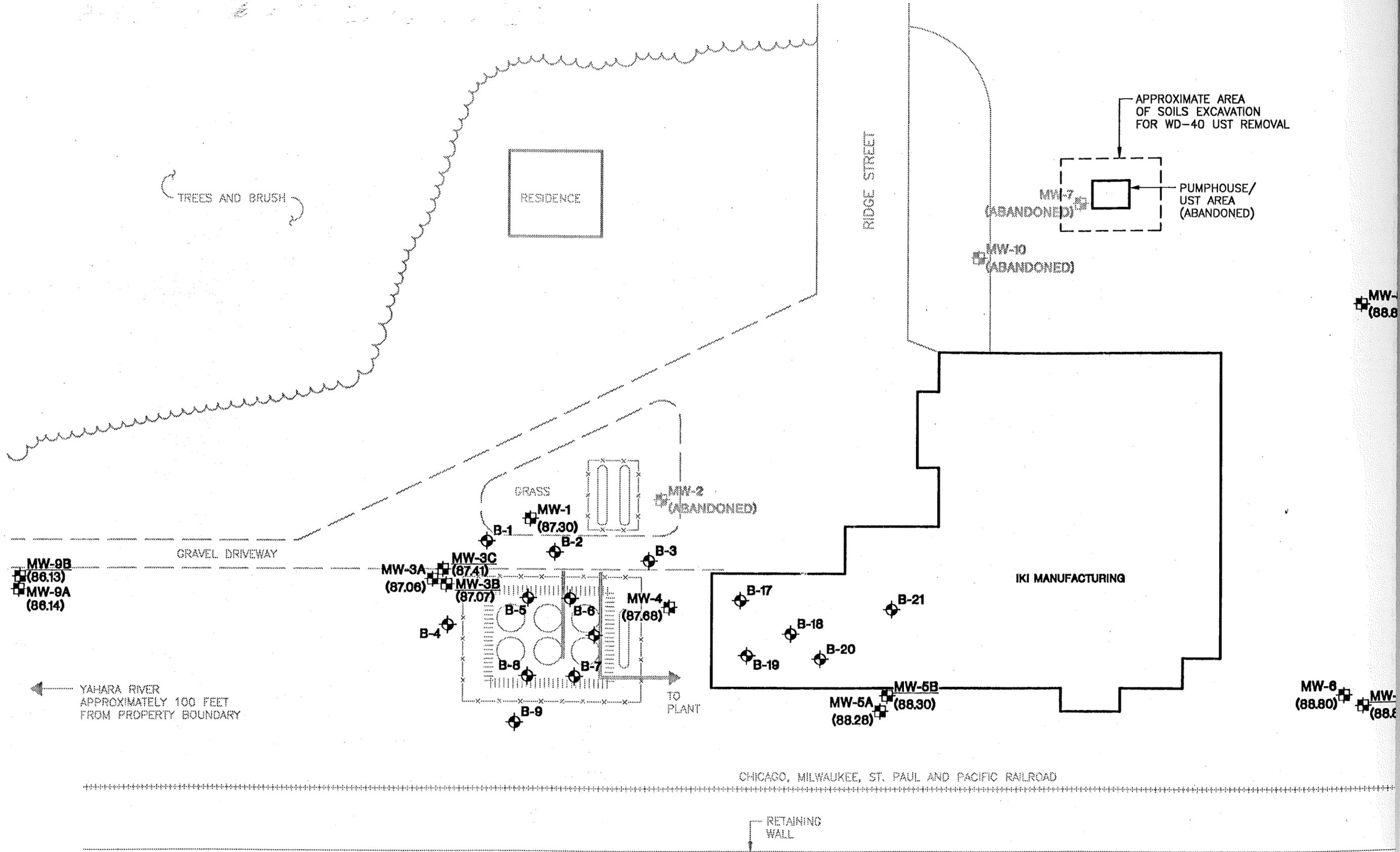


Developed By DWH
 Drawn By LCL
 Approved By *DW Hall*
 Date 1/13/98
 Reference
 Revisions

SITE LAYOUT MAP
 WD-40 UST REMOVAL DOCUMENTATION
 IKI MANUFACTURING, INC.
 STOUGHTON, WISCONSIN

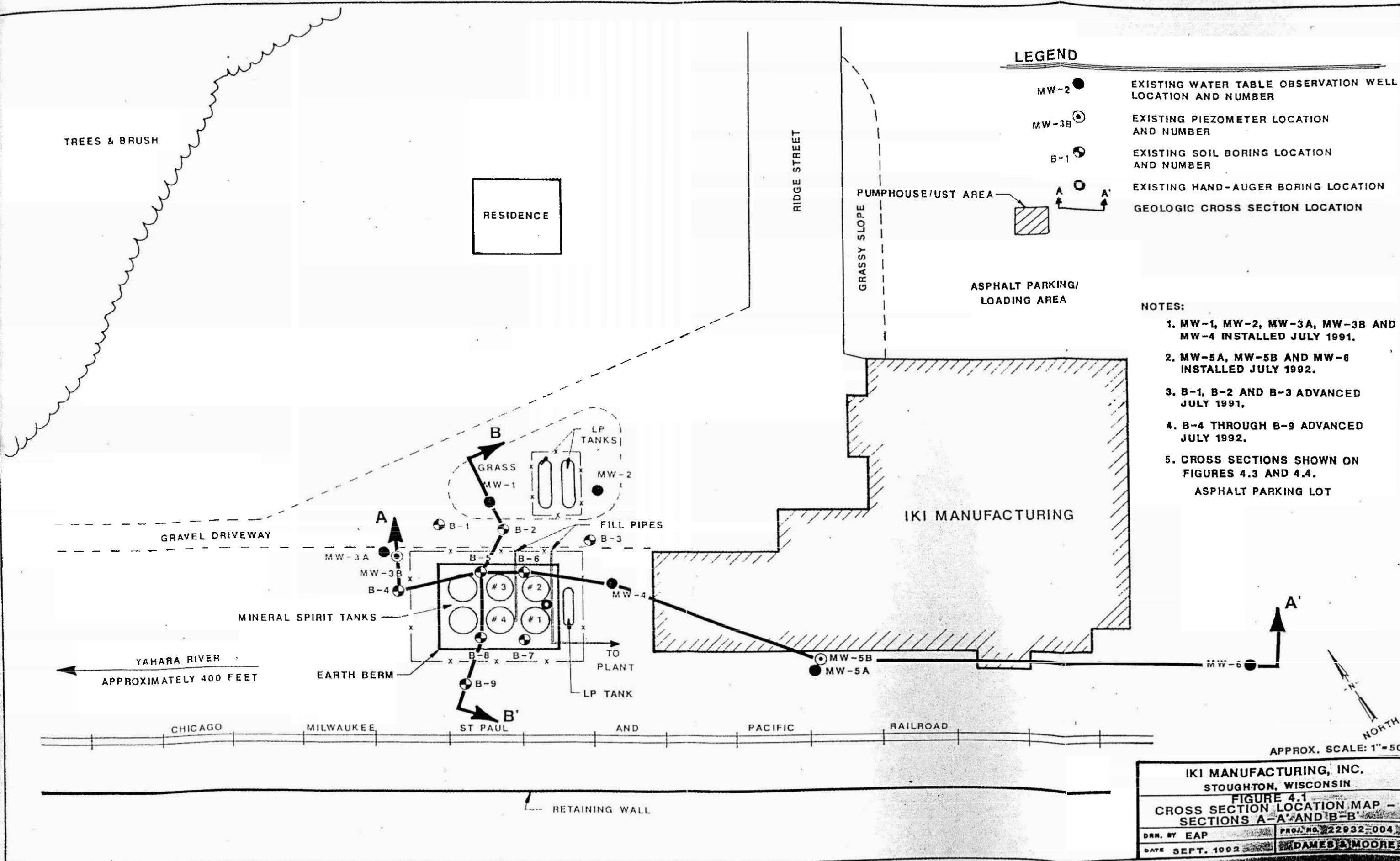
Drawing Number
 1242147
 04160101 **B1**
MONTGOMERY WATSON

Management Review
12-22-97
Other
Technical Review
PM Review
12-22-97
DWH
Graphic Standards
LCL
12-22-97
Lead Professional
Quality Control
LCL
12-22-97
This document has been developed for a specific application and may not be used without the written approval of Montgomery Watson.



MW-8 (88.8)

MW-6 (88.80) MW-8 (88.8)



TREES & BRUSH

RESIDENCE

RIDGE STREET

PUMPHOUSE/UST AREA

GRASSY SLOPE

ASPHALT PARKING/
LOADING AREA

IKI MANUFACTURING

GRAVEL DRIVEWAY

B

A

MINERAL SPIRIT TANKS

YAHARA RIVER
APPROXIMATELY 400 FEET

EARTH BERM

CHICAGO

MILWAUKEE

ST PAUL

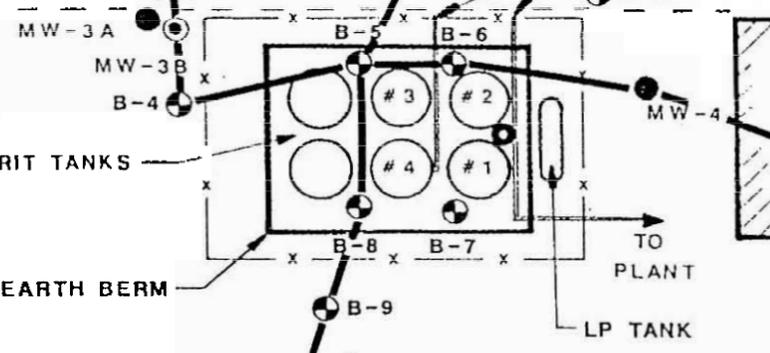
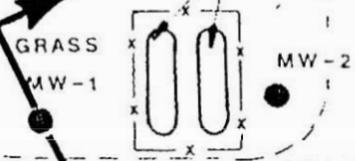
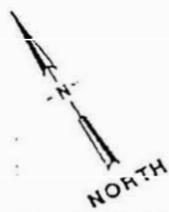
AND

PACIFIC

RAILROAD

RETAINING WALL

APPROX. SCALE: 1"=50'



FILL PIPES

TO PLANT

LP TANK

MW-6

MW-5A
MW-5B

MW-4

MW-3A
MW-3B

B-4

B-1

B-2

B-3

MW-2

MW-3B

B-1

A

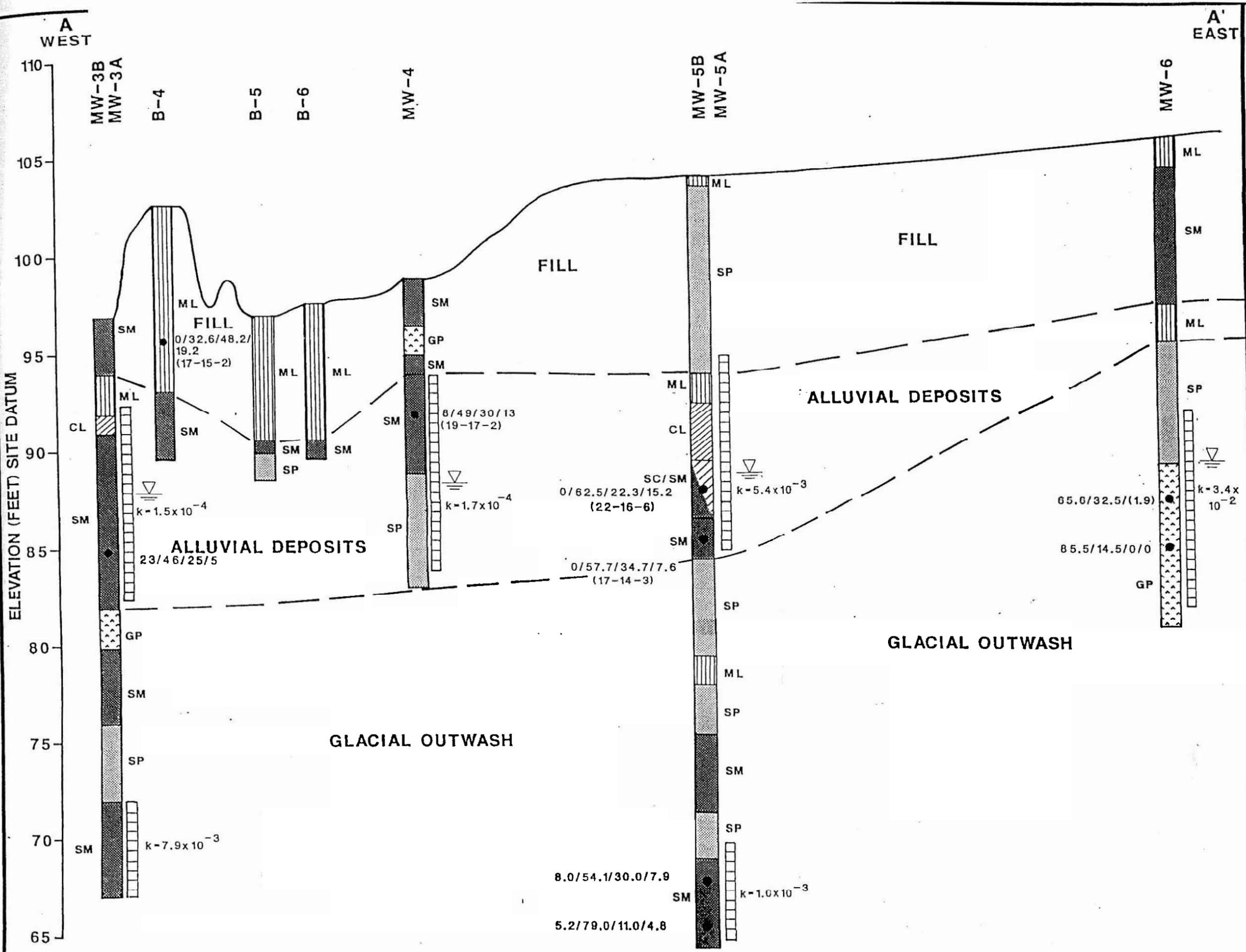
A'

EXISTING WATER TABLE OBSERVATION WELL LOCATION AND NUMBER

EXISTING PIEZOMETER LOCATION AND NUMBER

EXISTING SOIL BORING LOCATION AND NUMBER

EXISTING HAND-AUGER BORING LOCATION
GEOLOGIC CROSS SECTION LOCATION



LEGEND

- EXISTING GROUND SURFACE
- STRATIGRAPHIC BOUNDARY
- WATER LEVEL-MEASURED 7/29/92
- HYDRAULIC CONDUCTIVITY VALUE (cm/sec)
- SCREEN INTERVAL
- GRAIN SIZE (GRAVEL/SAND/SILT/CLAY)
- ATTERBERG LIMITS (LIQUID LIMIT-PLASTIC LIMIT-PLASTICITY INDEX)
- POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES (SP)
- SILTY SANDS, SAND/SILT MIXTURES (SM)
- INORGANIC SILTS AND VERY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY (ML)
- INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY (CL)
- CLAYEY SANDS, SAND/CLAY MIXTURES (SC)
- POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES (GP)

NOTES

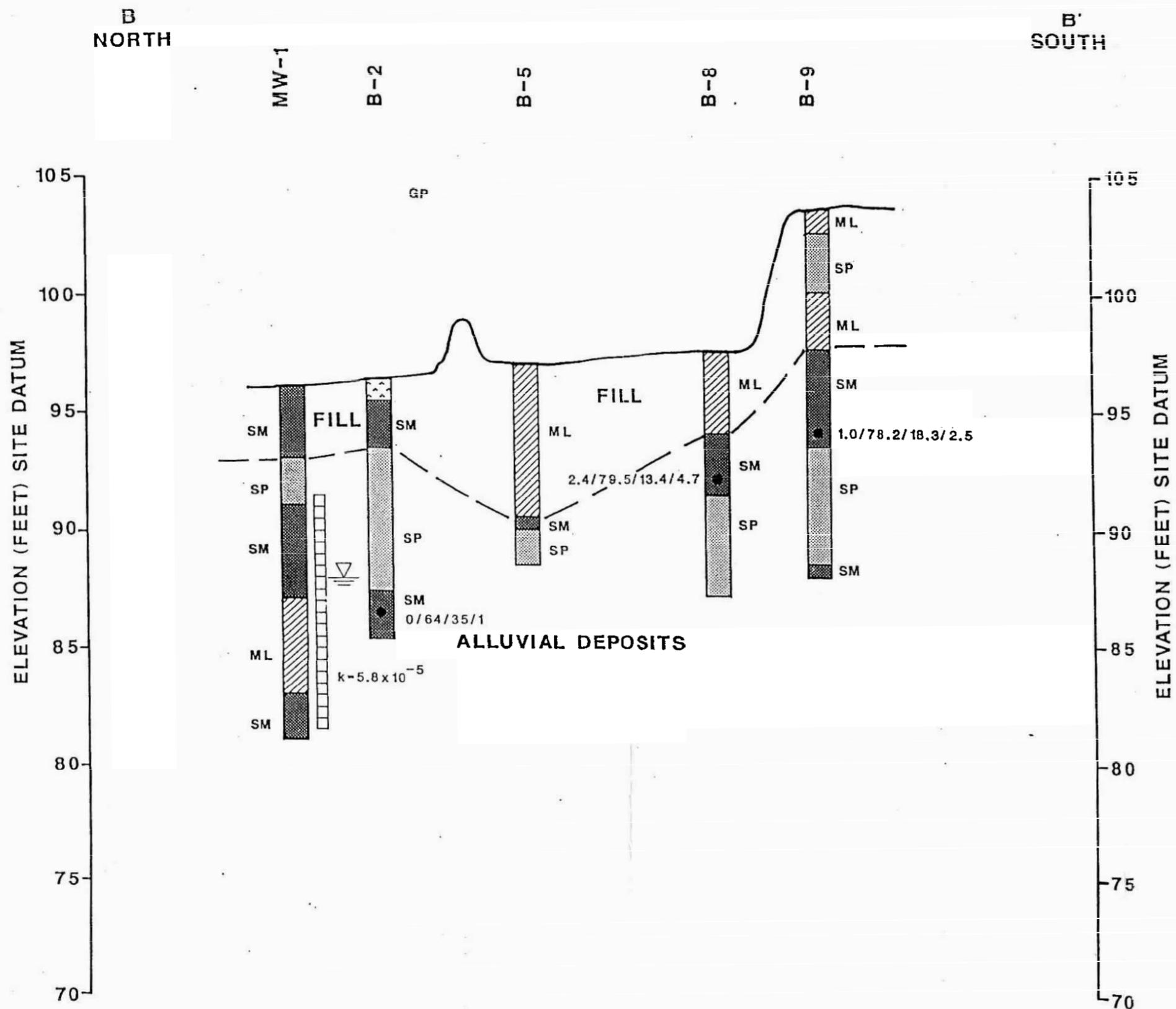
- MW-4 INSTALLED JULY 1991.
- B-4, B-5, B-6, MW-5 AND MW-6 INSTALLED JULY 1992.
- CROSS SECTION LOCATION SHOWN ON FIGURE 4.1
- ALL CONTACTS ARE INFERRED.
- DIFFERENCE IN ELEVATION OF POTENTIOMETRIC SURFACE BETWEEN WELLS IN WELL NESTS MW-3A/3B AND MW-5A/5B IS WITHIN ERROR OF MEASUREMENT. THEREFORE, WATER LEVELS SHOWN REPRESENT POTENTIOMETRIC SURFACE OF BOTH WELLS IN EACH NEST.

SCALE:
 VERT. 1"=5'
 HORIZ. 1"=50'

IKI MANUFACTURING, INC.
 STOUGHTON, WISCONSIN

FIGURE 4.3
 CROSS SECTION A-A'

DRN-BY MAG/SLH	PROJECT 22932-004
DATE SEPT. 1992	DAMES & MOORE



- LEGEND**
- EXISTING GROUND SURFACE
 - - - STRATIGRAPHIC BOUNDARY
 - ▽ WATER LEVEL—MEASURED 7/29/92
 - $k=5.8 \times 10^{-5}$ HYDRAULIC CONDUCTIVITY VALUE cm/sec
 - ▤ SCREEN INTERVAL
 - 0/64/35/1 GRAIN SIZE (GRAVEL/SAND/SILT/CLAY)

- ▨ POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES (SP)
- ▩ SILTY SANDS, SAND/SILT MIXTURES (SM)
- ▧ INORGANIC SILTS AND VERY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY (ML)
- ▤ POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES. LITTLE OR NO FINES (GP)

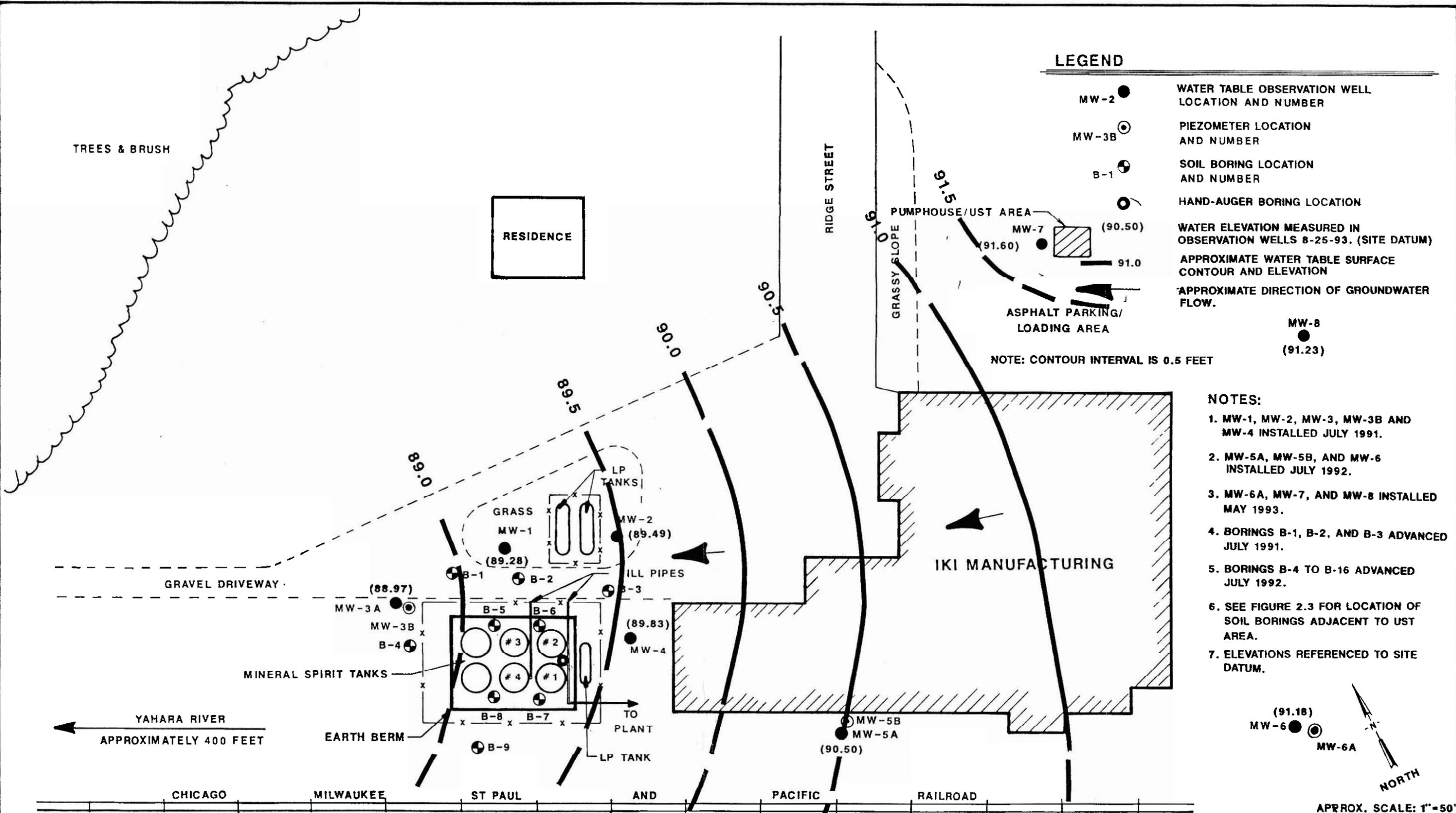
- NOTES**
1. MW-1 AND B-2 INSTALLED JULY 1991.
 2. B-5, B-8 AND B-9 ADVANCED JULY 1992.
 3. CROSS SECTION LOCATION SHOWN ON FIGURE 4.1
 4. ALL CONTACTS ARE INFERRED.

SCALE:
 VERT. 1"=5'
 HORIZ. 1"=25'

IKI MANUFACTURING, INC.
 STOUGHTON, WISCONSIN

FIGURE 4.4
CROSS SECTION B-B'

DRN-BY MAG/SLH	PROJECT 22932-004
DATE SEPT. 1992	DAMES & MOORE



IKI MANUFACTURING, INC.
 STOUGHTON, WISCONSIN
FIGURE 5.1
WATER TABLE CONTOUR MAP

DRN. BY SLH/EAP	PROJ. NO. 22932-010
DATE NOV. 1993	DAMES & MOORE

TABLE 6.4
SUMMARY OF LABORATORY SOIL SAMPLE RESULTS - MINERAL SPIRITS AST AREA

Analyte	B-4 $\mu\text{g}/\text{kg}$	B-4 $\mu\text{g}/\text{kg}$	B-5 $\mu\text{g}/\text{kg}$	B-5 $\mu\text{g}/\text{kg}$	B-6 $\mu\text{g}/\text{kg}$	B-6 $\mu\text{g}/\text{kg}$
Depth (feet)	3.5-5.5	11-13	2-4	6.5-8.5	3-5	6-8
Benzene	ND	ND	ND	ND	ND	ND
n-Butylbenzene	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	ND	ND	211	321	25.5	ND
tert-Butylbenzene	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	3.50	ND
4-Chlorotoluene	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	4.75	ND
Ethylbenzene	3.25	ND	589	248	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ND	ND	78	188	44.0	ND
Methylene chloride	14.0	14.0	17	19	15.0	20.0
Naphthalene	10.0	10.0	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	55.0	ND
Styrene	ND	ND	ND	ND	ND	ND
ortho-Xylene	ND	ND	1180	618	17.0	ND
Tetrachloroethene	ND	ND	160	100	3.50	ND
Toluene	ND	ND	31.3	ND	9.50	3.50
1,1,1-Trichloroethane	2.51	ND	6.00	6.75	4.50	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	3.25	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	4.50	3.25	340	334	588	8.50
meta, para-Xylenes	ND	ND	341	318	23.0	ND

TABLE 6.4 (CONT.)

Analyte	B-7 µg/kg	B-7 µg/kg	B-8 µg/kg	B-8 µg/kg	B-9 µg/kg	B-9 µg/kg
Depth (feet)	2-4	6-8	2-4	6.5-8.5	3.5-5.5	13.5-15.5
Benzene	ND	ND	ND	ND	ND	ND
n-Butylbenzene	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	ND	63.0	27.8	ND	ND	ND
tert-Butylbenzene	ND	210	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	229	2.50	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ND	95.0	28.0	ND	ND	ND
Methylene chloride	20.0	19.0	20.25	10.0	8.5	7.00
Naphthalene	ND	ND	27.8	6.50	10.0	ND
n-Propylbenzene	ND	ND	44.0	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND
ortho-Xylene	ND	415	9.00	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND
Toluene	ND	4.00	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	3.00	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	4.00	338	421	7.75	3.25	5.75
meta, para-Xylenes	ND	704	5.50	ND	ND	ND

Notes:

1 - All units reported in micrograms/kilogram (ppb).
 ND - Non detect

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of Historical Groundwater Analy
I-K-I Manufacturing Co., Inc.
Stoughton, Wisconsin

Sample ID	Date	Tetrachloro- ethylene	Trichloroethylene	(cis)1,2- Dichloroethylene	(trans)1,2- Dichloroethylene	1,1- Dichloroethylene	Vinyl Chloride	1,1,1- Trichloroethane	1,1,2- Trichloroethane	1,2-Dichloroethane	1,1-Dichloroethane	Benzene	Toluene	Total Xylene	Dichlorodifluoro- methane	Trichlorofluoro- methane	Chloroethane	Chloromethane	Methylene Chloride
ES	4/1/00	5	5	70	100		0.2	200	5	5	850	5	1000	10,000	1000	3490	400	3	5
PAL	4/1/00	0.5	0.5	7	2	0	0.02	40	0.5	0.5	85	0.5	200	1000	200	698	80	0.3	0.5

(1) All results in ug/L.

(2) X = Not detected at concentrations greater than the detection limit.

(3) NR = Result not reported.

(4) Wells MW-1, MW-4, MW-6, MW-6A, and MW-8 were abandoned on 7/25/00

(5) Chloromethane was found in the field blank at a concentration of 2.8 ug/l.

(6) Estimated value, fell between **OD** and **LOQ**

PAL = Preventive Action Limit

ES = Enforcement Standard

* = exceedence of the PAL.

BOLD = exceedence of the ES

TABLE 2

Summary of August 2000 Analytical Results
I-K-I Manufacturing Co., Inc.
Stoughton, Wisconsin

	P-1	P-2	P-3	ES	PAL	P-3
Date	8/14/00	8/14/00	8/14/00	4/1/00	4/1/00	8/14/00
Depth	8-10'	8-9'	6-8'			water
% solids	87.4	87.8	81.7			NA
Tetrachloroethylene	X	X	X	5	0.5	X
Trichloroethylene	X	X	X	5	0.5	X
(cis)1,2-Dichloroethylene	X	X	X	70	7	X
(trans)1,2-Dichloroethylene	X	X	X	100	20	X
1,1-Dichloroethylene	X	X	X	7	0.7	X
Vinyl Chloride	X	X	X	0.2	0.02	X
1,1,1-Trichloroethane	X	X	X	200	40	10
1,1,2-Trichloroethane	X	X	X	5	0.5	X
1,2-Dichloroethane	X	X	X	5	0.5	X
1,1-Dichloroethane	X	X	X	850	85	X
Benzene	X	X	X	5	0.5	0.58*
Toluene	X	X	X	1000	200	3.5
Total Xylene	X	X	X	10,000	1000	2.31
Dichlorodifluoro-methane	X	X	X	1000	200	X
Trichlorofluoromethane	X	X	X	3490	698	X
Chloroethane	X	X	X	400	80	X
Ethylbenzene	X	X	X			0.36
Chloromethane	X	X	X	3	0.3	X
Methylene Chloride	X	X	X	5	0.5	X

Notes:

1. Soil concentrations in mg/Kg; water concentrations in ug/L
2. * = exceedence of NR 140 Preventive Action Limit (PAL)
3. ** = exceedence of NR 140 Enforcement Standard (ES)

TABLE

**Groundwater Elevations
I-K-I Manufacturing Co., Inc.
Stoughton, Wisconsin**

Well Location	Reference Elevation*	Depth to Groundwater (ft)					Groundwater Elevation*				
		9/30/97	4/17/98	10/23/98	4/28/99	7/25/00	9/30/97	4/17/98	10/23/98	4/28/99	7/25/00
MW-1	98.55	11.25	8.81	9.82	9.07	9.87	87.30	89.74	88.73	89.48	88.68
MW-3A	99.48	12.42	10.34	11.07	10.43	11.07	87.06	89.14	88.41	89.05	88.41
MW-3B	99.28	12.21	10.18	10.87	10.26	10.88	87.07	89.10	88.41	89.02	88.40
MW-3C	99.63	12.22	10.21	10.88	10.29	10.88	87.41	89.42	88.75	89.34	88.75
MW-4	101.34	13.66	10.63	12.09	11.10	12.19	87.68	90.71	89.25	90.24	89.15
MW-5A	107.79	19.51	16.59	17.79	16.93	17.96	88.28	91.20	90.00	90.86	89.83
MB-5B	108.2	19.9	17.93	18.41	17.91	18.40	88.30	90.27	89.79	90.29	89.80
MW-6	108.49	19.69	17.85	18.16	17.80	18.08	88.80	90.64	90.33	90.69	90.41
MW-6A	108.96	20.16	18.33	18.63	18.28	18.56	88.80	90.63	90.33	90.68	90.40
MW-8	108.34	19.46	17.63	17.94	17.61	17.85	88.88	90.71	90.40	90.73	90.49
MW-9A	92.58	6.44	4.56	5.21	4.67	5.20	86.14	88.02	87.37	87.91	87.38
MW-9B	92.64	6.51	4.63	5.28	4.71	5.27	86.13	88.01	87.36	87.93	87.37

*Based on site datum = 100 ft.

Wells MW-1, MW-4, MW-6, MW-6A, and MW-8 were abandoned on 7/25/2000