

GIS REGISTRY

Cover Sheet

March, 2010
(RR 5367)

Source Property Information

BRRTS #:

03-42-001294

ACTIVITY NAME:

Northern Engraving Solvent Storage

PROPERTY ADDRESS:

803 South Black River Street

MUNICIPALITY:

Sparta

PARCEL ID #:

CLOSURE DATE: Nov 22, 2010

FID #:

642025010

DATCP #:

COMM #:

*WTM COORDINATES:

X: 454355

Y: 384922

** 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" form)*

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

Contamination in ROW

Off-Source Contamination

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

Land Use Controls:

N/A (Not Applicable)

Soil: maintain industrial zoning (220)

*(note: soil contamination concentrations
between non-industrial 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 unit or economic
development corporation was directed to
take a response action)*

Monitoring Wells:

Are all monitoring wells properly abandoned per NR 141? (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.].

BRRS #:	03-42-001294	PARCEL ID #:			
ACTIVITY NAME:	Northern Engraving Solvent Storage	WTM COORDINATES: X:	454355	Y:	384922

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.)
- Continuing Obligation Cover Letter** (for property owners affected by residual contamination and/or continuing obligations)
- 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: Northern Engraving Corp. Property**
- 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 11 x 17 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 #: C-1 **Title: 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 #: 2 **Title: Site Plan**
 - 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 #: E-1 **Title: Initial Sampling Locations**

BRRTS #: 03-42-001294

ACTIVITY NAME: Northern Engraving Solvent Storage

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 #: G-1 Title: Pre-Remedial Cross-Section A-A'

Figure #: Title:

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

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

Figure #: 1 Title: Site Plan

- 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 #: 1 Title: Site Plan

Figure #: Title:

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

Tables must be no larger than 11 x 17 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 #: L-1, L-2 Title: Analytical Results for Well Samples

- 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 #: N-1 Title: Groundwater Elevations in Monitoring Wells

IMPROPERLY ABANDONED MONITORING WELLS

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

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

- Not Applicable**

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

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

Figure #: Title:

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

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

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

BRRTS #: 03-42-001294

ACTIVITY NAME: Northern Engraving Solvent Storage

NOTIFICATIONS

Source Property

Not Applicable

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.

Not Applicable

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

Jim Doyle, Governor
Matthew J. Frank, Secretary
Scott Humrickhouse, Regional Director

West Central Region Headquarters
1300 W. Clairemont Avenue
PO Box 4001
Eau Claire, Wisconsin 54702-4001
Telephone 715-839-3700
FAX 715-839-6076
TTY Access via relay - 711

COPY

November 22, 2010

Darrell Zietlow
Environmental Management Department
Water Quality Manager
Northern Engraving Corporation
803 South Black River Street
P.O. Box 377
Sparta, WI 54656

Subject: Final Case Closure, Northern Engraving Solvent Storage Site, Sparta, WI
WDNR BRRTS Activity # 03-42-001294

Dear Mr. Zietlow:

On September 15, 2005, the West Central Region Closure Committee reviewed your request for closure of the case described above. This committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. On October 23, 2009, you were notified that the Closure Committee had granted conditional closure to this case.

On November 17, 2010 the Department received information or documentation indicating that you have complied with the requirements for final closure. Monitoring well abandonment forms were received for the wells that were associated with this site.

Based on the correspondence and data provided, it appears that your case meets the closure requirements in ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time.

GIS Registry

The conditions of case closure set out below in this letter require that this site be listed on the Remediation and Redevelopment Program's GIS Registry. The specific reasons are summarized below:

- Groundwater contamination is present above Chapter NR 140 enforcement standards

This letter and 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 the RR Sites Map page at: <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If the 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://dnr.wi.gov/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

Residual Groundwater Contamination

Groundwater impacted by solvents contamination greater than enforcement standards set forth in ch. NR140, Wis. Adm. Code, is present on this contaminated property as shown on the attached map.

Post-Closure Notification Requirements

In accordance with ss, 292.12 and 292.13, Wis. Stats., you must notify the Department before making changes that affect or relate to the conditions of closure in this letter. Written notifications in accordance with the above requirement must be sent to the attention of Beth Norquist, West Central Region RR Program Assistant, at the Eau Claire office.

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 your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact me at 715-839-3753.

Sincerely,



Erin Endsley
Hydrogeologist
Remediation & Redevelopment Program

Attachment: Remaining groundwater contamination map

cc: Dennis Kugle, Gannett Fleming, Inc., 8025 Excelsior Drive, Madison, WI 53717-1900



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Scott Humrickhouse, Regional Director

West Central Region Headquarters
1300 W. Clairemont Avenue
PO Box 4001
Eau Claire, Wisconsin 54702-4001
Telephone 715-839-3700
FAX 715-839-6076
TTY Access via relay - 711

October 23, 2009

Darrell Zietlow
Environmental Management Department
Water Quality Manager
Northern Engraving Corporation
803 South Black River Street
P.O. Box 377
Sparta, WI 54656

Subject: Conditional Closure Decision,
With Requirements to Achieve Final Closure
Northern Engraving Solvent Storage Site, Sparta, WI
WDNR BRRTS Activity # 03-42-001294

Dear Mr. Zietlow:

On September 15, 2005, the West Central Region Closure Committee revisited your request for closure of the case described above. This committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. This site had previously been denied closure in 2001. After careful review of the updated closure request, the closure committee has determined that the solvents contamination on the site from the three underground storage tanks used for solvents 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:

MONITORING WELL ABANDONMENT

The monitoring wells, soil vapor extraction wells, and other remediation system wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Wells associated with this site include EA-1, EA-2, EA-3, EA-4, RW-1, XW-1, XW-2, XW-3, and XW-4. If any of these wells will continue to be used by other investigation activities at the Northern Engraving property, please submit written documentation of which wells will be used for which investigation, including the BRRTS tracking number. Documentation of well abandonment must be submitted to Erin Endsley on Form 3300-005 found at <http://dnr.wi.gov/org/water/dwg/gw/> or provided by the Department of Natural Resources.

PURGE WATER, WASTE AND SOIL PILE REMOVAL

Any remaining purge water, waste and/or soil piles generated as part of site investigation or remediation activities must be removed from the site and disposed of or treated in accordance with Department of Natural Resources' rules. Once that work is completed, please send appropriate

documentation regarding the treatment or disposal of the remaining purge water, waste and/or soil piles.

When the above conditions have been satisfied, please submit the appropriate documentation (for example, well abandonment forms, disposal receipts, copies of correspondence, etc.) to verify that applicable conditions have been met, and your case will be closed. Your site will be listed on the DNR Remediation and Redevelopment GIS Registry. 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 the RR Sites Map page at: <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

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

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 715-839-3753.

Sincerely,



Erin Endsley
Waste Management Specialist
Remediation & Redevelopment Program

cc: Andrew J. Harris, Gannett Fleming, Inc., 8025 Excelsior Drive, Madison, WI 53717-1900

9 November 2004



MAXWELL

CIVIL ENGINEERING
& LAND SURVEYING

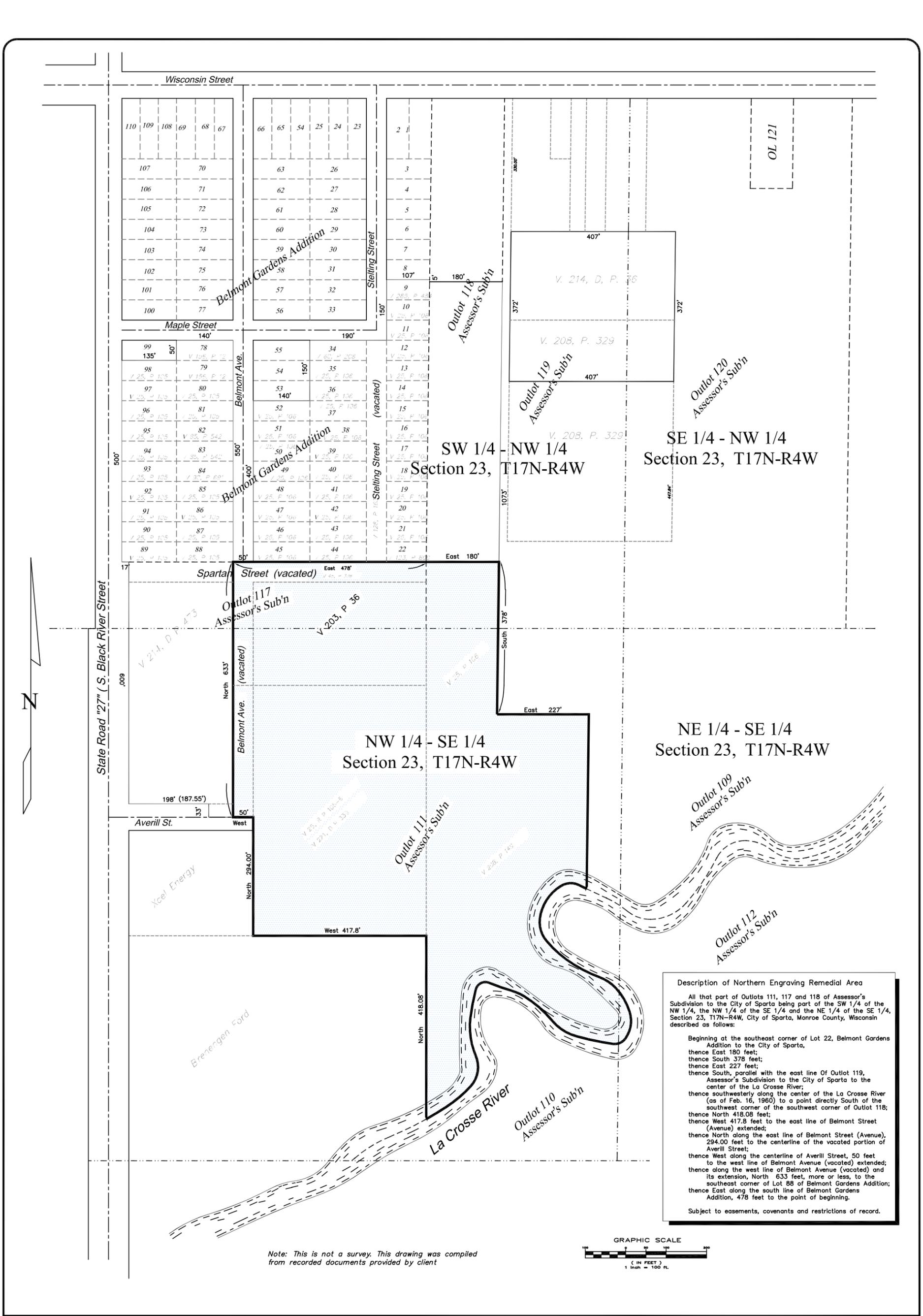
101 NORTH WATER ST.
SPARTA, WI 54656 • 608-269-1664

DESCRIPTION OF NORTHERN ENGRAVING REMEDIAL AREA

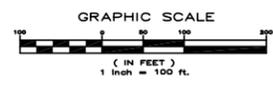
All that part of Outlots 111, 117 and 118 of Assessor's Subdivision to the City of Sparta, being part of the SW1/4 of the NW1/4, the NW1/4 of the SE1/4 and the NE1/4 of the SE1/4 of Section 23, T17N-R4W, City of Sparta, Monroe County, Wisconsin described as follows:

Beginning at the southeast corner of Lot 22, Belmont Gardens Addition to the City of Sparta,
thence East 180 feet;
thence South 378 feet;
thence East 227 feet;
thence South, parallel with the east line of Outlot 119, Assessor's Subdivision to the City of Sparta, to the center of the La Crosse River;
thence southwesterly along the center of the La Crosse River (as of Feb 18, 1980) to a point directly South of the southwest corner of Outlot 118;
thence North 418.08 feet;
thence West 417.8 feet to the east line of Belmont Street (Avenue) extended;
thence North along the east line of Belmont Street (Avenue) 294.00 feet to the centerline of the vacated portion of Averill Street;
thence West along the centerline of Averill Street, 50 feet to the west line of the Belmont Avenue (vacated) extended;
thence along the west line of Belmont Avenue (vacated) and its extension, North, 633 feet, more or less, to the southeast corner of Lot 88, Belmont Gardens Addition;
thence East along the south line of Belmont Gardens Addition, 478 feet to the point of beginning.

Subject to easements, covenants and restrictions of record.



Note: This is not a survey. This drawing was compiled from recorded documents provided by client



Description of Northern Engraving Remedial Area

All that part of Outlots 111, 117 and 118 of Assessor's Subdivision to the City of Sparta being part of the SW 1/4 of the NW 1/4, the NW 1/4 of the SE 1/4 and the NE 1/4 of the SE 1/4, Section 23, T17N-R4W, City of Sparta, Monroe County, Wisconsin described as follows:

Beginning at the southeast corner of Lot 22, Belmont Gardens Addition to the City of Sparta,
 thence East 180 feet;
 thence South 378 feet;
 thence East 227 feet;
 thence South, parallel with the east line of Outlot 119, Assessor's Subdivision to the City of Sparta to the center of the La Crosse River;
 thence southwesterly along the center of the La Crosse River (as of Feb. 16, 1960) to a point directly South of the southwest corner of the southwest corner of Outlot 118;
 thence North 418.08 feet;
 thence West 417.8 feet to the east line of Belmont Street (Avenue) extended;
 thence North along the east line of Belmont Street (Avenue), 294.00 feet to the centerline of the vacated portion of Averill Street;
 thence West along the centerline of Averill Street, 50 feet to the west line of Belmont Avenue (vacated) extended;
 thence along the west line of Belmont Avenue (vacated) and its extension, North 633 feet, more or less, to the southeast corner of Lot 88 of Belmont Gardens Addition;
 thence East along the south line of Belmont Gardens Addition, 478 feet to the point of beginning.

Subject to easements, covenants and restrictions of record.

Remedial Area	
SCALE: 1" = 100'	DATE: Oct. 29, 2004
DRAWN BY: SJS	REV.:
SHEET 1 OF 1	REV.:

Northern Engraving Corp. Property
 Part Outlots 111, 117 & 118, Assessor's Sub'n
 City of Sparta, Monroe County Wisconsin

MAXWELL
 CIVIL ENGINEERING
 & LAND SURVEYING
 C:\ACAD\REVRESCO.jpg
 101 N. WATER STREET
 SPARTA, WI 54656
 PH: (608)269-1664

NORTHERN ENGRAVING CORPORATION

803 South Black River Street P.O. Box 377
Sparta, Wisconsin 54656

PHONE: 608-269-6911

FAX: 608-269-9547

11/23/04

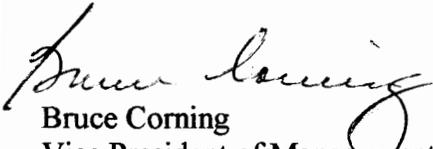
Re: Legal Description of Remedial Area – Northern Engraving Corp., Sparta, WI

To Whom It May Concern:

The attached map and legal description are the result of a complete review and title search of Northern Engraving's property at this location in Sparta, WI. The legal description encompasses the area in which remediation work was completed for WDNR BRRTS Case No. 3-42-001294 (Monroe County) referred to as "Solvent Site".

The legal description and map are to the best of my knowledge complete and accurate.

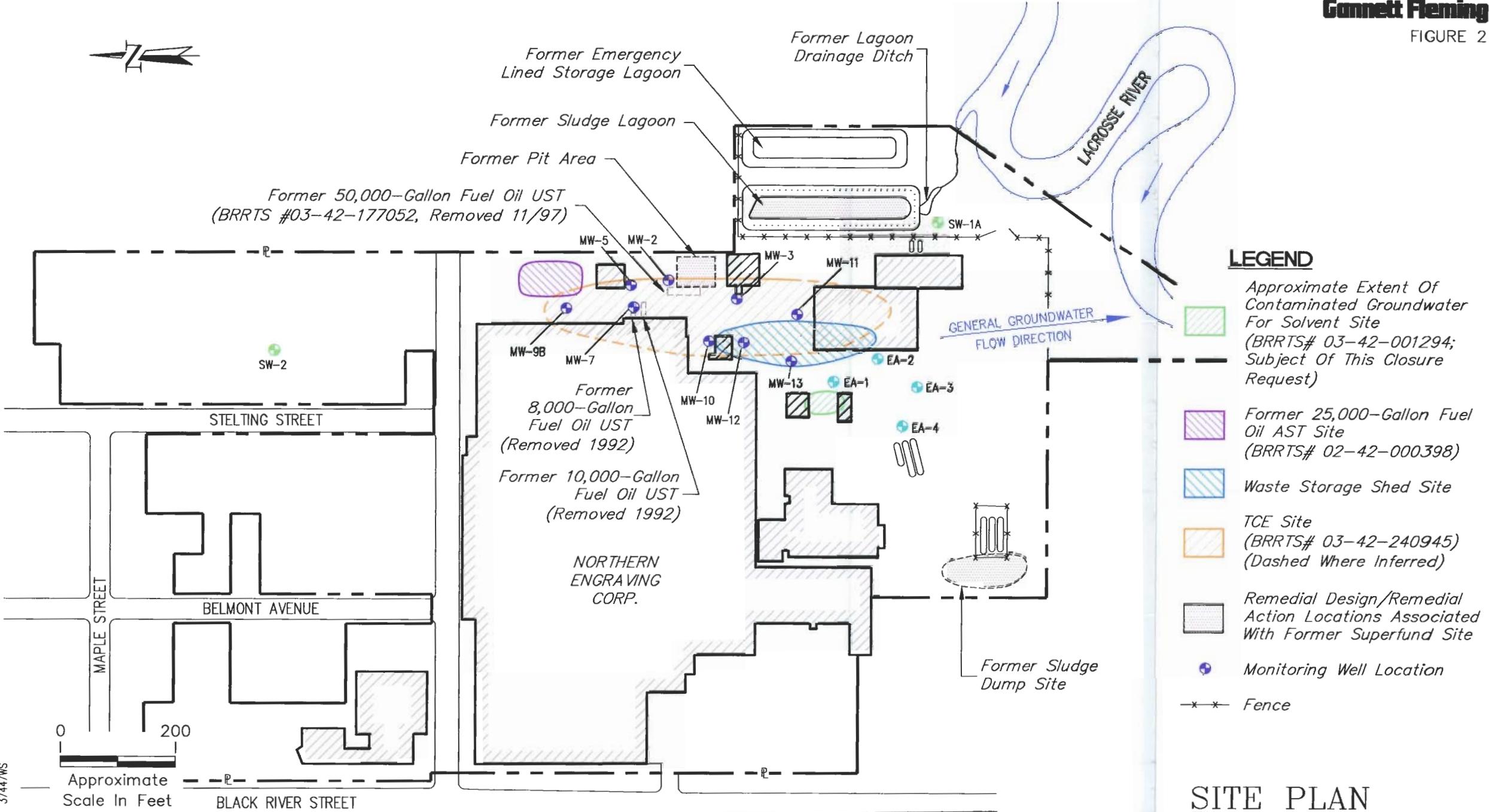
Sincerely,



Bruce Corning
Vice President of Management Systems
Northern Engraving Corporation



Environmental Management
System Registered to
ISO 14001:1996
Certification # 67861-E1



LEGEND

- Approximate Extent Of Contaminated Groundwater For Solvent Site (BRRTS# 03-42-001294; Subject Of This Closure Request)
- Former 25,000-Gallon Fuel Oil AST Site (BRRTS# 02-42-000398)
- Waste Storage Shed Site
- TCE Site (BRRTS# 03-42-240945) (Dashed Where Inferred)
- Remedial Design/Remedial Action Locations Associated With Former Superfund Site
- Monitoring Well Location
- Fence

SITE PLAN
 NORTHERN ENGRAVING CORPORATION
 SPARTA, WISCONSIN

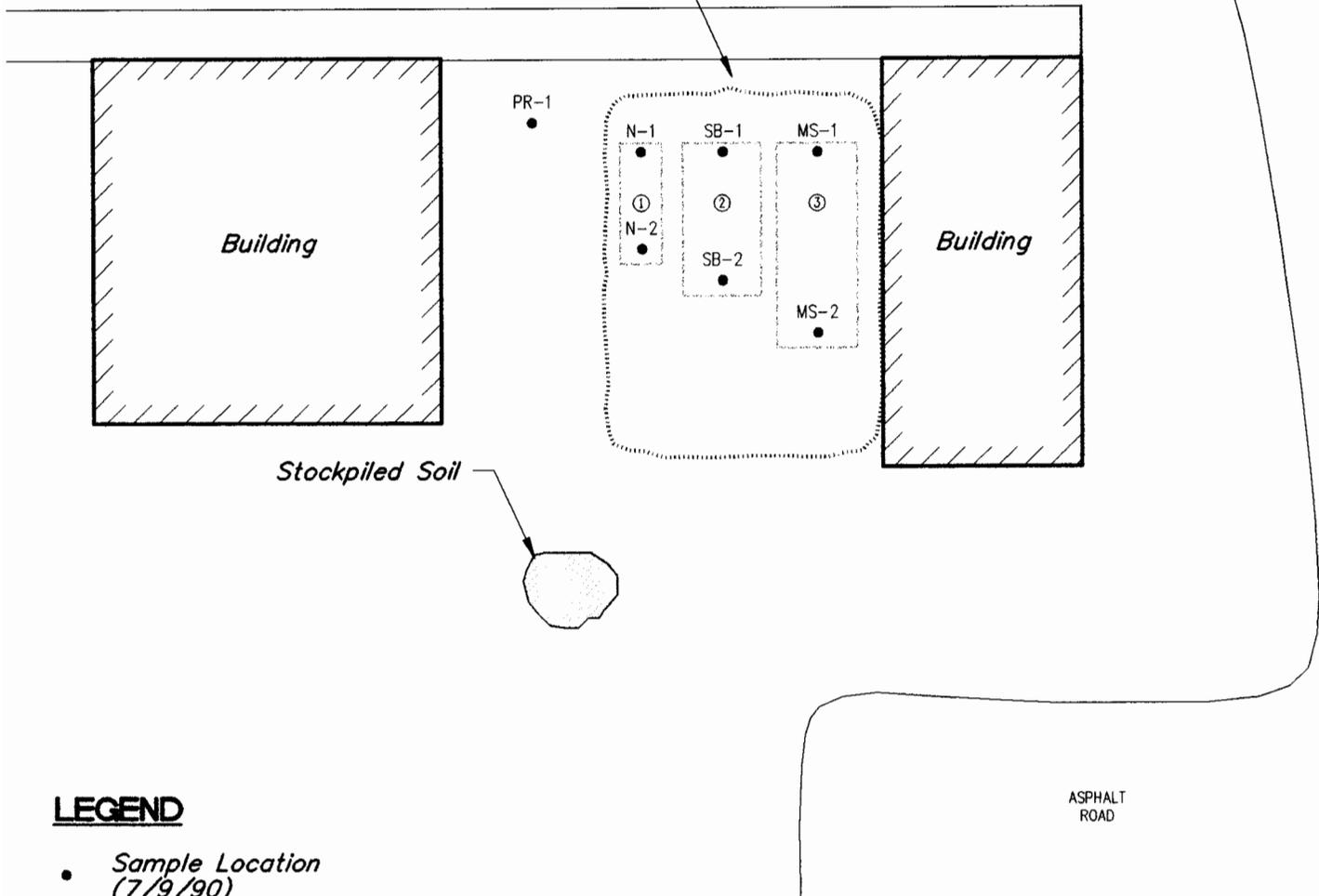


Approximate Scale In Feet



ASPHALT ROAD

Approximate Limits Of Excavation At Former Chemical USTs

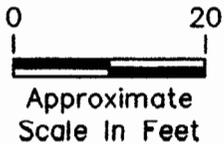


LEGEND

• *Sample Location (7/9/90)*

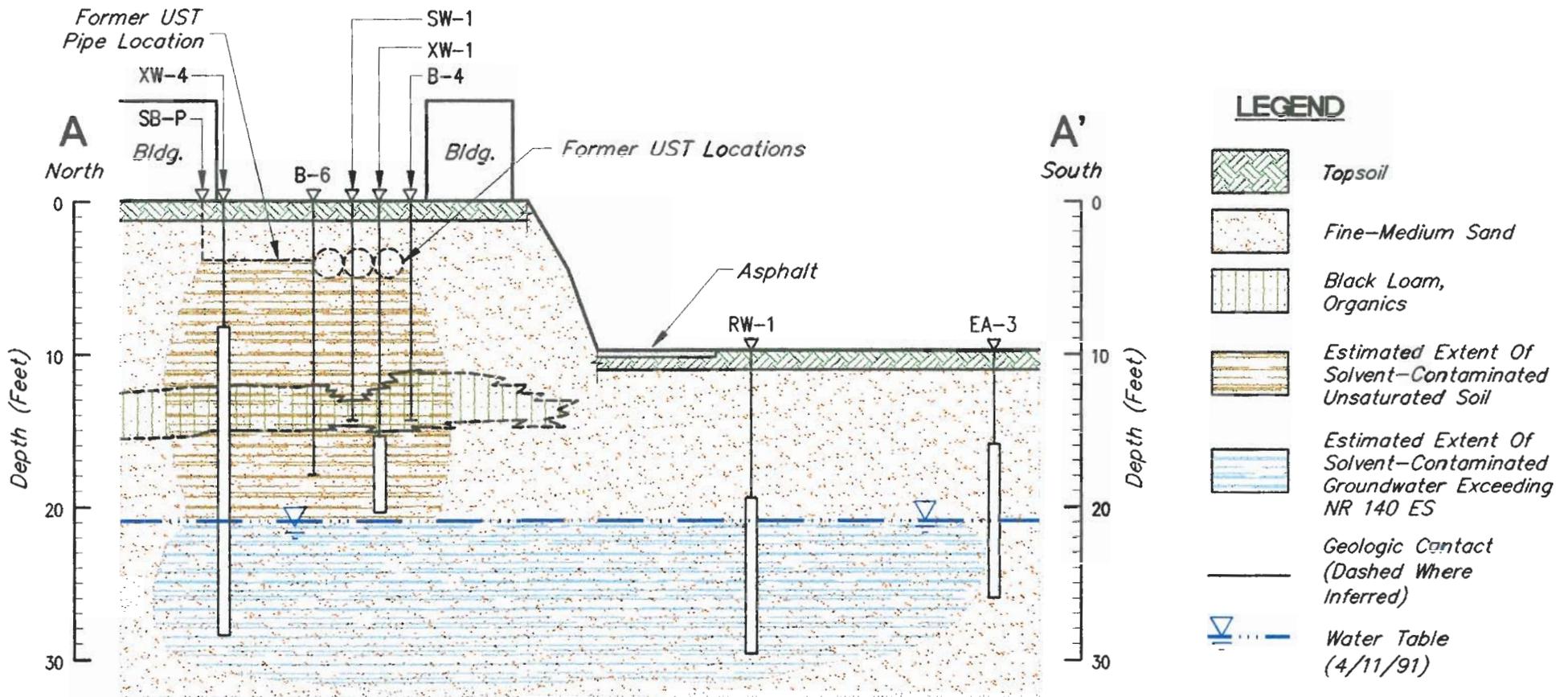
⊠ *Former Location Of UST*

- ① 2,000-GALLON NAPHTHA
- ② 6,000-GALLON SOLVENT BLEND (MEK, IPA, DIBK, TOLUENE, AND LACTOL SPIRITS)
- ③ 8,000-GALLON MINERAL SPIRITS



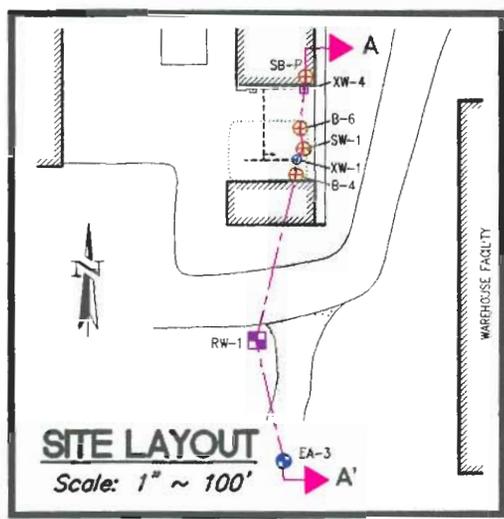
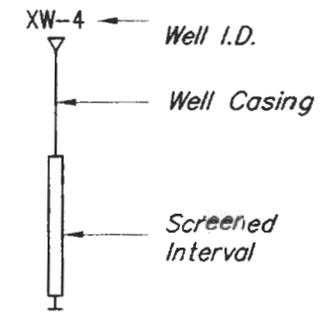
INITIAL SAMPLING LOCATIONS

**NORTHERN ENGRAVING CORPORATION
SPARTA, WISCONSIN**



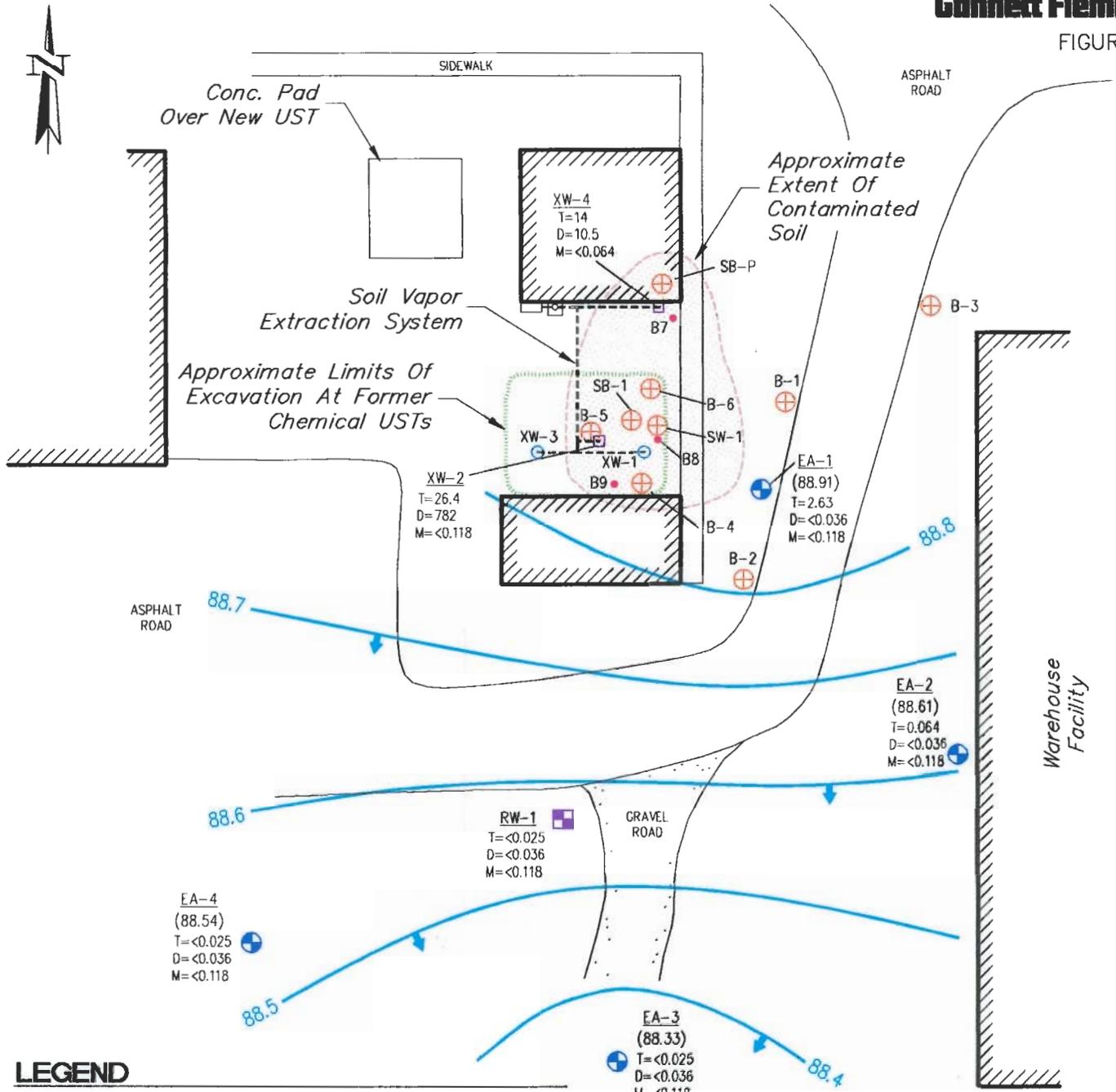
LEGEND

- Topsoil
- Fine-Medium Sand
- Black Loam, Organics
- Estimated Extent Of Solvent-Contaminated Unsaturated Soil
- Estimated Extent Of Solvent-Contaminated Groundwater Exceeding NR 140 ES
- Geologic Contact (Dashed Where Inferred)
- Water Table (4/11/91)



Horizontal Scale: 1" = 40'
 Vertical Scale: 1" = 10'
 Vertical Exaggeration: 4x

**PRE-REMEDIAL
 CROSS SECTION A-A'
 NORTHERN ENGRAVING CORPORATION
 SPARTA, WISCONSIN**



LEGEND

- Groundwater Contour With Flow Direction
- (88.54) Groundwater Elevation
- Monitoring Well
- Recovery Well
- Vapor Extraction Well
- Geoprobe Boring Location (February 2002)

- Vapor Extraction/ Groundwater Extraction Well
- Soil Boring

GROUNDWATER SAMPLE RESULTS

T= TOLUENE
 D= DIISOBUTYL KETONE
 M= METHYL ETHYL KETONE
 (ALL CONCENTRATIONS IN ug/l)

NOTES

1. EA-1, EA-2, EA-3, And EA-4 Sampled On 8/21/01. XW-4 Sampled On 12/28/00. RW-1 And XW-2 Sampled On 7/10/01.
2. Groundwater Elevations Measured 9/27/01.



Approximate Scale In Feet

SITE PLAN

NORTHERN ENGRAVING CORPORATION
 SPARTA, WISCONSIN

NORTHERN ENGRAVING CORPORATION
SPARTA, WISCONSIN

TABLE L-1

ANALYTICAL RESULTS FOR MONITORING WELL SAMPLES

Sample Date	EA-1			EA-2			EA-3			EA-4		
	Toluene (ug/L)	DIBK (ug/L)	MEK (ug/L)	Toluene (ug/L)	DIBK (ug/L)	MEK (ug/L)	Toluene (ug/L)	DIBK (ug/L)	MEK (ug/L)	Toluene (ug/L)	DIBK (ug/L)	MEK (ug/L)
NR 140 ES	1000	(1)	460	1000	(1)	460	1000	(1)	460	1000	(1)	460
NR 140 PAL	200	(2)	90	200	(2)	90	200	(2)	90	200	(2)	90
8/1/90	13,100	NA	123,000.0	NS	NS	NS	NS	NS	NS	NS	NS	NS
1/18/91	93,900	543	808.0	NS	NS	NS	NS	NS	NS	NS	NS	NS
2/26/91	45,200	8,680	8,500.0	NS	NS	NS	NS	NS	NS	NS	NS	NS
6/3/91 ⁽³⁾	--	--	--	--	--	--	--	--	--	--	--	--
7/3/91	75,400	912	506.0	NS	NS	NS	NS	NS	NS	NS	NS	NS
8/20/91	21,600	1,420	1,078.0	NS	NS	NS	NS	NS	NS	NS	NS	NS
9/25/91	14,800	1,740	24,800.0	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/17/91	2,140	519	234.0	NS	NS	NS	NS	NS	NS	NS	NS	NS
2/28/92	36,100	7,730	5,500.0	NS	NS	NS	NS	NS	NS	NS	NS	NS
3/25/92	27,460	9,820	2,063.0	NS	NS	NS	NS	NS	NS	NS	NS	NS
4/28/92	7,900	39,700	15.2	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/29/92	24,500	3,080	64.3	NS	NS	NS	NS	NS	NS	NS	NS	NS
8/11/92	29,600	6,980	582.0	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
9/22/92	12,500	4,480	<0.07	3.63	15.9	<0.07	<0.07	7.7	<0.07	1.35	5.58	<0.07
10/22/92	426	478	3.1	NS	NS	NS	NS	NS	NS	NS	NS	NS
2/2/93	5,490	2,800	<7	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
3/9/93	3,770	2,190	199.0	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
4/26/93	1,150	934	<3.5	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/25/93	2,640	3,240	<1.0	NS	NS	NS	NS	NS	NS	NS	NS	NS
6/23/93	1,220	1,790	0.1	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
7/22/93	79,700	36,300	<1.0	NS	NS	NS	NS	NS	NS	NS	NS	NS
9/7/93	2,580	1,300	<1.0	NS	NS	NS	NS	NS	NS	NS	NS	NS
9/30/93	2,840	1,460	<1.4	2.37	2.33	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
11/19/93	7,850	2,660	<1.0	<0.07	<0.07	<0.07	<0.07	NS	NS	NS	NS	NS
12/15/93	6,700	2,200	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
3/21/94	3,340	1,910	267.0	<0.13	48.8	<0.50	<0.50	<0.34	<0.50	<0.13	<0.10	<0.50
4/6/94	NS	NS	NS	0.51	1.3	<0.50	<0.50	NS	NS	NS	NS	NS
5/20/94	1,540	1,410	<0.67	<0.13	<0.34	<0.67	<0.67	NS	NS	NS	NS	NS
6/24/94	1,510	1,420	<33.5	0.73	2.29	<0.67	<0.67	<0.34	<0.67	<0.13	<0.34	<0.67
7/15/94	539	741	<6.7	<0.13	<0.34	<0.67	<0.67	NS	NS	NS	NS	NS
8/2/94	637	790	<6.7	<0.13	<0.34	<0.67	<0.67	NS	NS	NS	NS	NS
9/13/94	351	651	<6.7	3.69	6.07	<0.67	<0.67	<0.34	<0.67	<0.13	<0.34	<0.67
10/21/94	656	511	<6.7	<0.13	<0.34	<0.67	<0.67	NS	NS	NS	NS	NS
11/11/94	848	382	<33.5	<0.13	<0.34	<0.67	<0.67	NS	NS	NS	NS	NS
12/1/94	1,440	560	<33.5	<0.13	<0.34	<0.67	<0.67	<0.34	<0.67	<0.13	<0.34	<0.67
3/15/95	2,160	1,220	<10	<0.10	<0.30	<0.50	<0.50	<0.30	<0.50	<0.10	<0.30	<0.50
4/16/95	7,950	3,810	<25	NS	NS	NS	NS	NS	NS	NS	NS	NS
9/26/95	3	99	<2.5	<0.10	<0.10	<0.50	<0.50	<0.10	<0.50	<0.10	<0.10	<0.50
12/14/95 ⁽⁴⁾	224	582	<5	<0.10	<0.10	<0.50	<0.50	<0.10	<0.50	<0.10	<0.10	<0.50

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Table L-1 Continued . . .

Sample Date	EA-1			EA-2			EA-3			EA-4		
	Toluene (ug/L)	DIBK (ug/L)	MEK (ug/L)	Toluene (ug/L)	DIBK (ug/L)	MEK (ug/L)	Toluene (ug/L)	DIBK (ug/L)	MEK (ug/L)	Toluene (ug/L)	DIBK (ug/L)	MEK (ug/L)
NR 140 ES	1000	(1)	460	1000	(1)	460	1000	(1)	460	1000	(1)	460
NR 140 PAL	200	(2)	90	200	(2)	90	200	(2)	90	200	(2)	90
3/13/96	<i>2,070</i>	5,130	<i>118.0</i>	<i>8860</i>	2000	<i>123</i>	123	<0.10	<0.50	<0.10	<0.10	<0.50
3/29/96	126	1,760	<50	<0.10	<0.10	<0.50	<0.50	NS	NS	NS	NS	NS
6/20/96	<i>44,900</i>	18,600	<100	1.3	1.1	<0.50	<0.50	0.7	<0.50	<0.10	<0.10	<0.50
8/14/96	<i>28,100</i>	8,340	<100	<0.10	0.4	<0.50	<0.50	0.8	<0.50	NS	NS	NS
9/25/96	<i>30,500</i>	6,870	<50	<0.10	<0.10	<0.50	<0.50	0.9	<0.50	<0.10	<0.10	<0.50
3/31/97	<i>4,830</i>	2,280	2.7	5.54	1.96	<0.50	<0.50	<0.10	<0.50	<0.10	<0.10	<0.50
6/17/97	<i>3,840</i>	2,780	3.3	NS	NS	NS	NS	NS	NS	NS	NS	NS
06/26/97 ⁽⁵⁾	--	--	--	--	--	--	--	--	--	--	--	--
7/18/97	<i>1,010</i>	726	0.68	NS	NS	NS	NS	NS	NS	NS	NS	NS
9/26/97	<i>1,760</i>	2,640	1.26	<i>3,230</i>	1.150	ND	10.9	14.6	ND	0.74	1.61	ND
10/29/97	NS	NS	NS	<i>1,970</i>	474	ND	NS	NS	NS	NS	NS	NS
4/22/98	76.7	350	<0.32	<0.10	1.28	<0.32	<0.10	<0.11	<0.32	<0.10	<0.11	<0.32
6/24/98 ⁽⁶⁾	--	--	--	--	--	--	--	--	--	--	--	--
6/29/98	77.1	213	<0.32	9.32	1.02	<0.32	NS	NS	NS	NS	NS	NS
8/18/98	<0.10	127	<0.32	<0.10	0.6	<0.32	NS	NS	NS	NS	NS	NS
9/22/98	13.7	26.9	<0.32	17.9	59	<0.32	NS	NS	NS	NS	NS	NS
10/07/98 ⁽⁷⁾	0.34	12.5	<0.32	<0.10	4.14	<0.32	NS	NS	NS	NS	NS	NS
12/3/98	7.62	47.9	<0.32	NS	NS	NS	NS	NS	NS	NS	NS	NS
4/7/99	<0.10	8.43	<0.32	<0.10	<0.11	<0.32	<0.10	<0.11	<0.32	<0.10	<0.11	<0.32
6/29/99 ⁽⁸⁾	--	--	--	--	--	--	--	--	--	--	--	--
8/4/99	81.9	NA	NA	<0.034	NA	NA	<0.034	NA	NA	<0.034	NA	NA
10/26/99	<0.10	<0.11	<0.32	0.12	0.28	<0.32	NS	NS	NS	NS	NS	NS
8/7/00	13.3	40	11.3	<0.10	0.18	10.6	0.13	<0.11	<0.32	<0.10	<0.11	<0.32
12/28/00	5.89	15.1	<0.064	<0.034	0.209	<0.064	0.037	<0.022	<0.064	<0.034	<0.022	<0.064
3/27/01	5.74	8.58	<0.118	0.265	<0.036	<0.118	NS	NS	NS	NS	NS	NS
7/10/01	2.29	68.6	<0.118	<0.26	<0.036	<0.118	NS	NS	NS	NS	NS	NS
8/21/01	2.63	<0.036	<0.118	0.064	<0.036	<0.118	<0.025	<0.036	<0.118	<0.025	<0.036	<0.118

NOTES:

- MEK = Methyl ethyl ketone
- DIBK = Diisobutyl ketone
- ES = Enforcement standard
- PAL = Preventive action limit
- ND = Not detected
- NS = Not sampled
- NA = Not analyzed

Detected concentrations exceeding an NR 140 ES are bold and italicized. Detected concentrations exceeding an NR 140 PAL are bold.

FOOTNOTES:

- (1) There is no enforcement standard for DIBK.
- (2) There is no preventive action limit for DIBK.
- (3) Groundwater extraction began in well RW-1 on 6/3/91.
- (4) Groundwater extraction began in wells XW-2 and XW-4.
- (5) Groundwater extraction from XW-4 ceased on 6/26/97.
- (6) Groundwater extraction from XW-2 ceased on 6/24/98.
- (7) XW-2 was used for air injection from October 6 through November 13, 1998.
- (8) Remediation system was shut down on 6/29/99.

NORTHERN ENGRAVING CORPORATION
SPARTA, WISCONSIN

TABLE L-2

ANALYTICAL RESULTS FOR EXTRACTION WELL SAMPLES (µg/l)

Sample Date	RW-1			XW-2			XW-4		
	DIBK	Toluene	MEK	DIBK	Toluene	MEK	DIBK	Toluene	MEK
NR 140 ES	(1)	1000	460	(1)	1000	460	(1)	1000	460
NR 140 PAL	(2)	200	90	(2)	200	90	(2)	200	90
06/03/91 ⁽³⁾	--	--	--	--	--	--	--	--	--
06/05/1991	<0.07	<0.07	<0.07	--	--	--	--	--	--
06/12/1991	<0.07	<0.07	<0.07	--	--	--	--	--	--
06/18/1991	<0.07	<0.07	<0.07	--	--	--	--	--	--
06/25/1991	9.46	15.5	10.8	--	--	--	--	--	--
07/03/1991	32.8	162	10.1	--	--	--	--	--	--
07/10/1991	131	1160	24.4	--	--	--	--	--	--
07/16/1991	21.2	1410	29.6	--	--	--	--	--	--
07/26/1991	330	364	16.9	--	--	--	--	--	--
07/31/1991	468	2700	<0.07	--	--	--	--	--	--
08/08/1991	38.9	<0.01	<0.07	--	--	--	--	--	--
08/15/1991	12.1	189	21.2	--	--	--	--	--	--
08/20/1991	3010	12600	3320	--	--	--	--	--	--
08/29/1991	34.4	<0.07	<0.07	--	--	--	--	--	--
09/04/1991	33.2	<0.07	<0.07	--	--	--	--	--	--
09/11/1991	37.3	<0.07	<0.07	--	--	--	--	--	--
09/17/1991	45.5	<0.07	<0.07	--	--	--	--	--	--
09/25/1991	1400	206	167	--	--	--	--	--	--
10/01/1991	<0.07	<0.07	<0.07	--	--	--	--	--	--
10/09/1991	75.3	1460	476	--	--	--	--	--	--
10/10/1991	--	--	--	11,540	228,000	--	463	3,950	--
10/17/1991	277	688	63.6	--	--	--	--	--	--
10/22/1991	32.5	4.37	<0.07	--	--	--	--	--	--
11/01/1991	347	3520	62.7	--	--	--	--	--	--
11/06/1991	0.06	0.292	3.32	--	--	--	--	--	--
11/12/1991	116	5.94	15.8	--	--	--	--	--	--
11/19/1991	34.9	9.44	1.46	--	--	--	--	--	--
12/04/1991	73.6	11.1	1.56	--	--	--	--	--	--
12/12/1991	72.6	736	4.25	--	--	--	--	--	--
12/20/1991	<0.07	<0.07	<0.07	--	--	--	--	--	--
12/30/1991	53.2	3.29	1.22	--	--	--	--	--	--
01/14/1992	464	337	7.01	--	--	--	--	--	--
01/22/1992	434	929	5.85	--	--	--	--	--	--
01/29/1992	365	30.7	9.15	--	--	--	--	--	--
02/05/1992	450	887	9.15	--	--	--	--	--	--
02/13/1992	92.8	7.09	12	--	--	--	--	--	--
02/21/1992	322	6.5	24.6	--	--	--	--	--	--
02/28/1992	4.12	976	548	9,260	68,600	136,000	--	--	--
03/25/1992	<0.07	66.8	<0.07	--	--	--	--	--	--
04/22/1992	42.9	<0.07	<0.07	--	--	--	--	--	--
05/06/1992	167	0.58	<0.07	--	--	--	--	--	--
06/10/1992	787	716	96.1	--	--	--	--	--	--

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Table L-2 Continued . . .

Sample Date	RW-1			XW-2			XW-4		
	DIBK	Toluene	MEK	DIBK	Toluene	MEK	DIBK	Toluene	MEK
07/08/1992	426	1.11	5.06	--	--	--	--	--	--
08/11/1992	--	--	--	17.8	727	179	--	--	--
08/12/1992	308	103	53.1	--	--	--	--	--	--
09/09/1992	394	536	89	--	--	--	--	--	--
09/22/1992	--	--	--	1,330	298	9.02	44.9	55.1	<0.07
10/06/1992	53.2	103	8.76	--	--	--	--	--	--
11/05/1992	19.2	10.3	10.3	--	--	--	--	--	--
12/02/1992	19.2	10.3	10.3	--	--	--	--	--	--
01/06/1993	381	430	<0.07	--	--	--	--	--	--
01/27/1993	--	--	--	9,700	38,600	<7	--	--	--
02/10/1993	79.7	528	4.12	--	--	--	--	--	--
03/09/1993	365	2050	<0.07	--	--	--	--	--	--
03/29/1993	--	--	--	4,030	24,700	2,470	917	3,920	421
04/06/1993	432	2180	<0.07	--	--	--	--	--	--
05/04/1993	401	1890	<0.07	--	--	--	--	--	--
06/08/1993	588	2790	<0.07	--	--	--	--	--	--
06/23/1993	--	--	--	72.3	282	0.07	0.07	8.67	0.07
07/08/1993	126	553	<0.07	--	--	--	--	--	--
08/03/1993	2760	2930	<0.07	--	--	--	--	--	--
09/07/1993	559	2940	87.1	--	--	--	--	--	--
09/22/1993	--	--	--	2,780	16,400	721	35.2	89.9	173
10/05/1993	390	1550	<1.4	--	--	--	--	--	--
11/16/1993	263	965	<0.07	--	--	--	--	--	--
12/08/1993	2010	3820	<0.07	--	--	--	--	--	--
12/16/1993	--	--	--	2,860	15,700	<5	--	--	--
01/05/1994	353	1810	<0.07	--	--	--	--	--	--
02/09/1994	384	1980	247	--	--	--	--	--	--
03/09/1994	371	1730	13.4	--	--	--	--	--	--
03/21/1994	--	--	--	4,130	23,100	302	589	1,830	<5.0
04/05/1994	400	2040	<5.0	--	--	--	--	--	--
05/04/1994	238	1630	<0.67	--	--	--	--	--	--
06/08/1994	318	1340	<33.5	--	--	--	--	--	--
06/24/1994	--	--	--	3,880	19,100	<335	70.5	312	<6.7
07/06/1994	265	1220	<33.5	--	--	--	--	--	--
08/02/1994	368	1450	<67	--	--	--	--	--	--
09/07/1994	327	1830	<6.7	--	--	--	--	--	--
09/12/1994	--	--	--	4,450	19,300	<67	173	545	<6.7
10/04/1994	351	2090	<6.7	--	--	--	--	--	--
11/01/1994	218	1060	<6.7	--	--	--	--	--	--
12/07/1994	270	1420	<13.4	--	--	--	--	--	--
12/09/1994	--	--	--	2,830	16,600	<67	122	385	<0.67
01/04/1995	234	1380	<0.7	--	--	--	--	--	--
02/03/1995	217	1630	<6.7	--	--	--	--	--	--
03/01/1995	153	1090	<17.5	--	--	--	--	--	--
03/15/1995	--	--	--	3,030	19,400	<25	--	--	--
03/24/1995	--	--	--	--	--	--	282	1,040	<25
04/05/1995	204	1250	<10	--	--	--	--	--	--
05/05/1995	209	1410	<10	--	--	--	--	--	--
06/08/1995	147	789	<10	--	--	--	--	--	--
07/05/1995	154	946	<10	--	--	--	--	--	--

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Table L-2 Continued . . .

Sample Date	RW-1			XW-2			XW-4		
	DIBK	Toluene	MEK	DIBK	Toluene	MEK	DIBK	Toluene	MEK
08/02/1995	174	963	<5	--	--	--	--	--	--
09/06/1995	215	1100	<5	--	--	--	--	--	--
10/05/95 ⁽⁴⁾	171	967	<6.2	2440	13600	<100	241	1130	<6.2
10/06/1995	--	--	--	1950	11500	<100	570	2520	<10
10/07/1995	--	--	--	3000	17100	<100	592	2700	<10
10/10/1995	--	--	--	1860	8460	<100	--	--	--
10/12/1995	--	--	--	771	3550	<100	--	--	--
10/17/1995	--	--	--	--	--	--	679	3170	<20
10/19/1995	--	--	--	1230	5560	<50	63	377	<16.7
10/24/1995	--	--	--	1180	5480	<50	--	--	--
10/26/1995	--	--	--	--	--	--	802	4250	<50
11/08/1995	114	606	<5.0	369	2170	<25	1240	5500	<50
12/04/1995	120	652	<5.0	--	--	--	--	--	--
12/06/1995	--	--	--	615	3750	<25	240	1590	<50
01/05/1996	88.9	395	<5.0	960	4980	<25	241	1100	<25
02/08/1996	65	336	<5.0	566	2630	<25	273	1140	<25
03/06/1996	80	420	<5.0	--	--	--	--	--	--
03/13/1996	--	--	--	871	4660	<25	188	712	<50
04/08/1996	--	--	--	1020	5360	<50	342	1060	<0.5
04/18/1996	264	1460	<25	--	--	--	--	--	--
05/06/1996	--	--	--	1240	5500	<50	232	836	<10
05/08/1996	76.4	282	<12.5	--	--	--	--	--	--
06/04/1996	196	538	<5	623	3530	<50	--	--	--
07/03/1996	403	1050	<25	1070	5850	<25	--	--	--
07/24/1996	--	--	--	--	--	--	89.5	306	<5
08/01/1996	432	1080	<10	934	4430	<50	102	261	<5
09/04/1996	558	1620	<10	--	--	--	95.6	378	<2.5
10/04/1996	480	1780	<10	--	--	--	--	--	--
11/05/1996	--	--	--	--	--	--	152	709	18.4
11/06/1996	425	1950	<10	--	--	--	--	--	--
12/04/1996	379	1308	<25	--	--	--	219	671	<5
01/02/1997	--	--	--	--	--	--	581	1390	<25
01/03/1997	148	445	<5.0	--	--	--	--	--	--
02/11/1997	115	476	<0.5	--	--	--	--	--	--
02/12/1997	--	--	--	--	--	--	423	1520	6.2
03/05/1997	406	1340	<0.05	--	--	--	--	--	--
04/02/1997	378	1190	<0.5	--	--	--	--	--	--
04/18/1997	--	--	--	--	--	--	100	1190	<0.5
05/07/1997	436	1120	<0.5	--	--	--	90.5	285	3.27
06/04/1997	398	1170	1.35	--	--	--	122	272	<0.5
6/26/97 ⁽⁵⁾	--	--	--	--	--	--	--	--	--
07/01/1997	432	1580	<0.51	672	2500	2.26	--	--	--
08/06/1997	348	1030	<0.51	716	4310	<0.51	--	--	--
09/09/1997	330	561	1.27	--	--	--	--	--	--
09/20/1997	--	--	--	521	1680	<0.51	--	--	--
10/01/1997	477	855	<0.51	391	1730	<0.51	--	--	--
11/12/1997	300	438	<0.51	716	3130	<0.51	--	--	--
12/08/1997	374	670	<0.51	477	2010	<0.51	--	--	--
02/19/1998	451	801	<0.32	329	1310	<0.32	--	--	--

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Table L-2 Continued . . .

Sample Date	RW-1			XW-2			XW-4		
	DIBK	Toluene	MEK	DIBK	Toluene	MEK	DIBK	Toluene	MEK
03/24/1998	183	287	<0.32	299	767	<0.32	--	--	--
04/22/1998	282	538	<0.32	391	877	<0.32	--	--	--
05/26/1998	156	316	<0.32	249	863	<0.32	--	--	--
06/24/98 ⁽⁶⁾	--	--	--	--	--	--	--	--	--
06/10/1998	102	234	<0.32	921	2880	<0.32	--	--	--
06/29/1998	--	--	--	11.6	128	<0.32	--	--	--
08/18/1998	73	138	<0.32	3.18	1.5	<0.32	--	--	--
09/09/1998	40.8	195	<0.32	--	--	--	--	--	--
09/22/98 ⁽⁷⁾	--	--	--	4.11	<0.1	<0.32	--	--	--
12/03/1998	51.3	260	<0.32	--	--	--	--	--	--
03/24/1999	64	217	<0.32	--	--	--	--	--	--
04/23/1999	--	--	--	44.6	201	<0.32	--	--	--
05/10/1999	72.4	241	<0.32	--	--	--	--	--	--
06/14/1999	84.8	226	32.3	--	--	--	--	--	--
06/29/99 ⁽⁸⁾	--	--	--	--	--	--	--	--	--
08/04/1999	--	<0.034	--	--	32.9	--	--	0.801	--
10/26/1999	<0.11	<0.10	<0.32	194	396	<0.32	--	--	--
08/07/2000	92.4	550	13.7	374	223	<0.32	--	--	--
12/28/2000	0.087	<0.034	<0.064	971	200	<0.064	10.5	14	<0.064
03/27/2001	<0.036	<0.025	<0.118	751	40.2	<0.118	--	--	--
07/10/2001	<0.036	<0.025	<0.118	782	26.4	<0.118	--	--	--

NOTES:

MEK = Methyl ethyl ketone

DIBK = Diisobutyl ketone

ES = Enforcement standard

PAL = Preventive action limit

Detected concentrations exceeding an NR 140 ES are bold and italicized. Detected concentrations exceeding an NR 140 PAL are bold.

"--" = not sampled

FOOTNOTES:

(1) There is no enforcement standard for DIBK.

(2) There is no preventive action limit for DIBK.

(3) Groundwater extraction began in well RW-1 on 6/3/91.

(4) Groundwater extraction began in wells XW-2 and XW-4.

(5) Groundwater extraction from XW-4 ceased on 6/26/97.

(6) Groundwater extraction from XW-2 ceased on 6/24/98.

(7) XW-2 was used for air injection from October 6 through November 13, 1998.

(8) Remediation system was shut down on 6/29/99.

NORTHERN ENGRAVING CORPORATION
SPARTA, WISCONSIN

TABLE N-1

GROUNDWATER ELEVATIONS IN MONITORING WELLS

Elevation (ft) of	EA-1	EA-2	EA-3	EA-4
Top of PVC	99.01	98.8	97.23	98.99
Top of Screen	90.81	91.3	88.83	90.59
Bottom of Screen	80.81	81.3	78.83	80.59
Date	Depth to Water (ft)			
04/11/1991	-	10.80	9.00	9.30
06/03/1991	11.71	11.58	9.96	11.58
06/27/1997	12.42	11.00	9.75	11.33
12/28/2000	10.90	8.50	9.68	11.28
03/27/2001	10.75	8.27	-	-
07/10/2001	10.14	10.30	-	-
09/27/2001	10.10	10.19	8.90	10.45
Date	Groundwater Elevation (ft)			
04/11/1991	-	88.00	88.23	89.69
06/03/1991	87.30	87.22	87.27	87.41
06/27/1997	86.59	87.80	87.48	87.66
12/28/2000	88.11	90.30	87.55	87.71
03/27/2001	88.26	90.53	-	-
07/10/2001	88.87	88.50	-	-
09/27/2001	88.91	88.61	88.33	88.54

NOTES:

"-" = Groundwater elevation not measured.

Pumping at recovery well RW-1 occurred from June 3, 1991, to June 30, 1999.

Pumping at extraction wells XW-2 and XW-4 occurred from September 1995 to June 24, 1998.