

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

May, 2008
(RR 5367)

Source Property Information

BRRTS #: 02-18-000242

ACTIVITY NAME: Eau Claire Cty Battery Site

PROPERTY ADDRESS: E. Madison St. and Wisconsin St.

MUNICIPALITY: Eau Claire

PARCEL ID #:

CLOSURE DATE: 11/01/2000

FID #:

DATCP #:

COMM #:

*WTM COORDINATES:

X: 401011 Y: 483548

** 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
or Direct Contact > 4 ft (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

** 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 #: PARCEL ID #:

ACTIVITY NAME: WTM COORDINATES: X: Y:

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: Phoenix Steel Reclamation Sites**
- 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 #: 1 **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 #: 1 **Title: Sample Locations and Areas of Lead Impacted Soil**

BRRTS #: 02-18-000242

ACTIVITY NAME: Eau Claire Cty Battery Site

MAPS (continued)

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

Figure #: **Title:**

Figure #: **Title:**

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

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

Figure #: **Title:**

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

Figure #: **Title:**

Figure #: **Title:**

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

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

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

Table #: 1, 2, 3 **Title:** **Berm Composite, Grab Sample Soil and Sediment Analysis Results, Soil Stabilization**

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

Table #: **Title:**

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

Table #: **Title:**

IMPROPERLY ABANDONED MONITORING WELLS

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

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

- Not Applicable**

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

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

Figure #: **Title:**

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

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

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

BRRTS #: 02-18-000242

ACTIVITY NAME: Eau Claire Cty Battery Site

NOTIFICATIONS

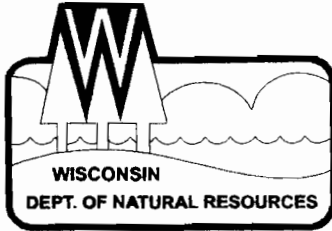
Source Property

- 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

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Scott A. 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
TDD 715-839-2786

November 1, 2000

Mr. Dale Peters, Dir. Human Resources and Risk Mgt.
City of Eau Claire
P.O. Box 5148
Eau Claire, WI 54702-5148

UID# 02-18-000242

Subject: Closure of Phoenix Steel Site (a.k.a. Eau Claire Lead Site)

Dear Mr. Peters:

I have reviewed the Declaration of Restrictive Covenant recorded October 4, 1995 on the lead-treated soil buried on the old Phoenix Metals site. The deed instrument appears to be in compliance. The Phoenix Metal site was an area located south of Madison Street, west of Forest St. and adjacent and east of the Chippewa River. In the past, metal salvage was conducted at this site and used batteries were processed for their lead. As a result of this operation, much battery waste was discharged on site. The City of Eau Claire, Northern States Power, and the Wisconsin Department of Natural Resources (WDNR) went to considerable effort and expense to remove the battery waste and remediate the contaminated soil. The contaminated soil was chemically treated and buried on site and covered with a clay cap.

With the receipt of the Restrictive Covenant on the above treated area (identified as Parcels A and B as described in the Restrictive Covenant), and based on the correspondence and data provided, it appears that your site has been remediated to WDNR standards in accordance with NR 700, Wis. Adm. Code. The Department considers this case closed with a deed restriction and no further investigation, remediation or other action is required at this time.

However, 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.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at me at (715) 839-3738.

Sincerely,

Jack Eslien
WDNR Hydrogeologist

Document Number

Document Title

DEED RESTRICTION



1038603

MARY L KAISER
EAU CLAIRE COUNTY, WI
REGISTER OF DEEDS

RECORDED ON
11/03/2010 02:20PM

REC FEE: 30.00
TRANSFER FEE:
EXEMPT #
PAGES: 8

Name and Return Address
City Attorney
City of Eau Claire
PO Box 5148
Eau Claire WI 54702-5148

The restrictive covenant created by the City of Eau Claire through a Declaration of Restrictive Covenant recorded in Volume 953, Pages 223-226 and a correction recorded in Volume 1440, pages 659-663 is hereby further amended by revising the description for Parcel A to read as follows and to except a portion of Parcel A from which remediated soil has been removed as depicted in Exhibit 1 and described as follows:

That part of Government Lot 7 of Section 20 and that part of Government Lot 1 of Section 17, all in T27N, R9W, City of Eau Claire, Eau Claire County, Wisconsin, being parts of Lots 1 through 9 of Block 5, and Lots 6 through 7 of Block 6, and Lots 3 through 11 of Block 22, Huyszen, Marfield, Galloway, and Meredith's Addition, City of Eau Claire, Eau Claire County, described as follows:

Parcel "A"

Commencing at the SW corner of said Section 17; thence S. 88° 39'50" E. along the south line of said Section 17 1122.23 feet to the point of beginning of parcel "A"; thence N26°33'13"W 71.43 feet; thence N76°02'30"E 221.25 feet; thence S77°27'00"E 38.54 feet; thence S58°00'10"E 33.18 feet; thence S44°18'04"E 47.02 feet; thence S15°36'23"E 244.97 feet; thence S09°49'06"W 41.13 feet; thence S83°09'19"W 39.49 feet; thence N22°27'24"W 262.16 feet; thence N65°00'20" W 26.89 feet; thence S70°39'13"W 92.05 feet; thence S83°25'25"W 85.20 feet; thence N26°33'13"W 11.32 feet to the point of beginning of parcel "A";

EXCEPT that portion of parcel "A" within Lots 6 and 7 of Block 6, Huyszen, Marfield, Galloway, and Meredith's Addition, and the vacated alley within said Block 6, Huyszen, Marfield, Galloway, and Meredith's Addition, and a portion of the vacated Forest Street adjacent to the west line of said Block 6, Huyszen, Marfield, Galloway, and Meredith's Addition lying northerly and easterly of a line described as beginning at the northwesterly corner of Lot 6, said Block 6, Huyszen, Marfield, Galloway, and Meredith's Addition; thence S10°10'28"E 10.87 feet along the easterly right-of-way line of Riverfront Terrace as dedicated in Vol. 11 of CSM, pg. 147-149, Doc. No. 869303; thence 114.21 feet along the arc of a curve, concave westerly with a chord bearing S00°15'34"E, central angle of 19°49'48" and radius of 330.00 feet; thence 85.76 feet along the arc of a curve, concave easterly with a chord bearing S00°10'20"E, central angle of 19°39'20" and radius of 250.00 feet, to the northerly line of Lot 2, said CSM Doc. No. 869303; thence N80°00'00"E along the northerly line of said Lot 2, CSM Doc No. 869303 a distance of 135.00 feet to the northeasterly corner of said Lot 2, CSM Doc. No. 869303(hereinafter the "Excepted Property").

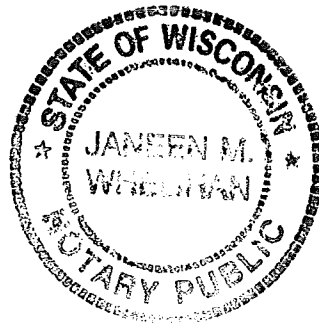
The Excepted Property, having had the waste and other lead-containing material removed and replaced with clean fill under WDNR review and approval, shall be free and clear of any of the terms and conditions in said Declaration of Restrictive Covenant.

(SEAL) Mike Huggins
City Manager Mike Huggins

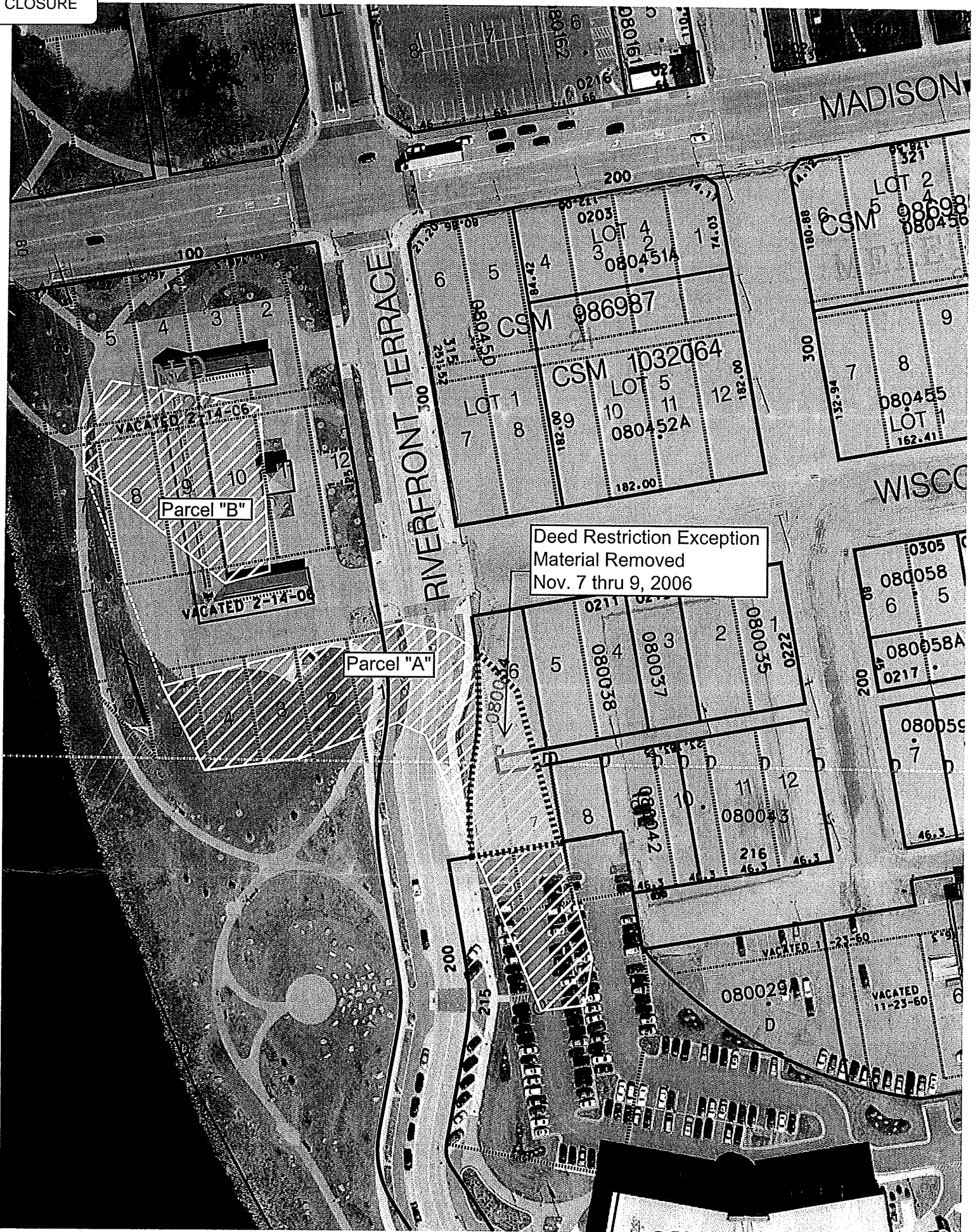
STATE OF WISCONSIN)
) ss.
COUNTY OF EAU CLAIRE)

Personally came before me this 2nd day of November, 2010, Mike Huggins, City Manager, to me known to be the person who executed the foregoing document and acknowledged the same.

Janeen M. Whelan
Janeen M. Whelan, Notary Public
Eau Claire County, Wisconsin
My commission expires 5/5/13.



Drafted by Stephen C. Nick, City Attorney, State Bar No. 1020929, City Hall, Eau Claire, WI 54701



VACATED 2-14-06

Parcel "B"

VACATED 2-14-06

Parcel "A"

Deed Restriction Exception
Material Removed
Nov. 7 thru 9, 2006

MADISON

RIVERFRONT TERRACE

WISCONSIN

VACATED 1-23-60

VACATED 11-23-60

688075

Beverly Y. Halvorson

BEVERLY Y. HALVORSON
Register of Deeds
P.O. Box 718
Eau Claire, Wisc. 54702

'95 OCT 4 AM 10 30

223
953 VOL. *226* PAGE

INDEXED

This space reserved for recording data.

Return to Office of City Attorney.
(E.A.) *12.516.00 # 9291*

DECLARATION OF RESTRICTIVE COVENANT

This restrictive covenant is created by the City of Eau Claire, a Wisconsin municipal corporation, as owner in fee simple of the following Tract of land in Eau Claire County, Wisconsin:

Blocks 5 and 22, Huyssen, Marfield, Galloway and Meredith's Addition to the City of Eau Claire, and lands located westerly thereof and adjacent thereto lying between the south line of Madison Street, the north line of vacated Galloway Street, and the Chippewa River; vacated Wisconsin Street, lying west of the west line of Forest Street extended; vacated Forest Street lying between the south line of Wisconsin Street and the north line of vacated Galloway Street; and vacated Galloway Street lying between the east line of Forest Street extended and the Chippewa River; and all its rights, title and interest in and to Lots 6 and 7, Block 6, in said Addition.

The City of Eau Claire states that said Tract has previously been used as an industrial site, which may have included the disposition of lead-containing materials. Prior to the transfer of title or other interest to all or any portion of said Tract, the transferor shall provide notice to the transferee of this former use of said Tract; provided that the recording of this Declaration at the office of the Register of Deeds for Eau Claire County shall satisfy this notice requirement.

The City of Eau Claire further states that two Areas within said Tract identified on the attached site diagram as Parcels "A" and "B" and described as follows:

Two parcels of land being:

1. That part of Government Lot 7 of Section 20 and that part of Government Lot 1 of Section 17 all in T27N, R9W, City of Eau Claire, Eau Claire County, Wisconsin being part of Blocks 22 and 5 of Huysen, Marfield, Galloway, and Meredith Addition the first of which is described as follows:

Commencing at the SW corner of said Section 17; thence S88°39'50"E along the south line of said Section 17 1122.23 feet to the point of beginning of parcel "A"; thence N26°33'13"W 71.43 feet; thence N76°02'30"E 221.25 feet; thence S77°27'00"E 38.54 feet; thence S44°18'04"E 47.02 feet; thence S15°36'23"E 244.97 feet; thence S09°49'06"W 41.13 feet; thence S83°09'19"W 39.49 feet; thence N22°27'24"W 262.16 feet; thence N65°00'20"W 26.89 feet; thence S70°39'13"W 92.05 feet; thence S83°25'25"W 85.20 feet; thence N26°33'13"W 11.32 feet to the point of beginning of parcel "A"; and

2. A parcel commencing at said SW corner of said Section 17; thence S88°39'50"E along the south line of said Section 17 1122.23 feet; thence N26°33'13"W 71.43 feet; thence N19°35'36"W 202.23 feet to the point of beginning of parcel "B"; thence N00°42'07"W 38.28 feet; thence N33°41'38"E 45.58 feet; thence S80°10'31"E 133.37 feet; thence S03°01'01"E 144.93 feet; thence S75°30'16"W 40.99 feet; thence N50°43'18"W 160.41 feet to the point of beginning of parcel "B";

have previously been used as an industrial facility, which has resulted in the disposition of lead-containing materials. These two Areas are covered with a clay cap. Removal or movement of soil, solid waste or other material within either of these Areas from a depth greater than one foot below the surface elevation is prohibited, except for that excavation necessary to construct solid footings or similar penetrating or on-grade foundation to support an above-surface structure. Any materials or soil removed from such excavation

shall be handled, stored, transported, treated, and/or disposed of as a hazardous waste under the then-prevailing law. The owner shall provide notice to the Wisconsin Department of Natural Resources, Western District office (WDNR), or its successor agency if applicable, at least twenty-four (24) hours prior to initiating such excavation. Additionally, no trees or shrubs may be planted in the restricted Areas without the prior approval of WDNR or its successor agency, if applicable.

This covenant is a covenant running with the land, shall be a permanent restriction upon all persons with a property interest in the Areas, and shall be included in any lease, deed or other document transferring any interest therein. This restriction inures to the benefit of the State of Wisconsin and is enforceable by WDNR, its successors or assigns.

In Witness whereof, the City of Eau Claire has hereunto set its hand and seal this 13 day of September, 1995.

CITY OF EAU CLAIRE

By: *Carl F. Powell*
City Manager

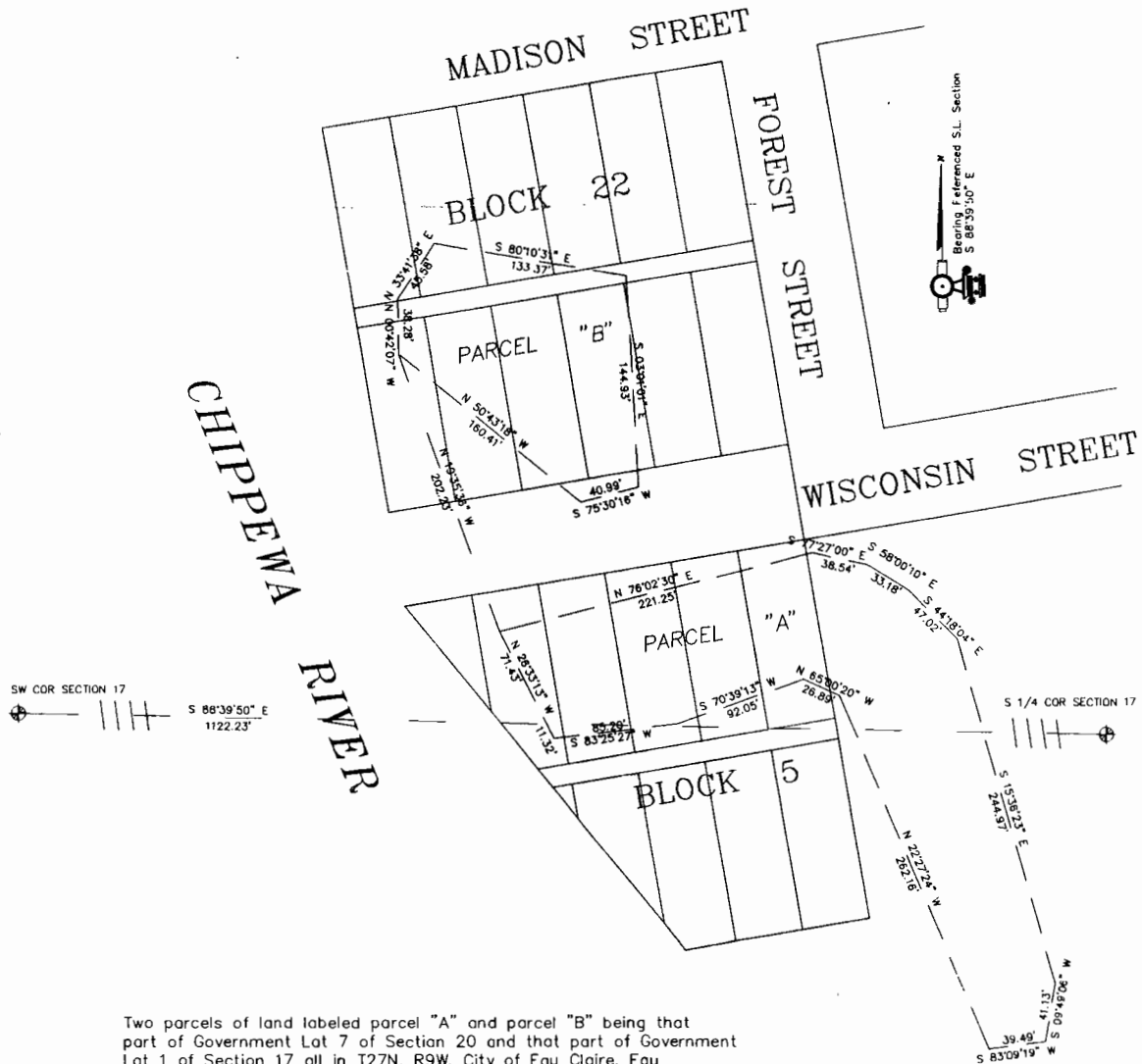
Signed and sworn to before me this 13 day of Sept., 1995.

Donna A. Austad
Notary Public, State of Wisconsin
My commission is/expires 9/5/1999

F:\DATA\WP\050110006\NOTICE

Drafted by Carl A. Sinderbrand,
Attorney at Law, Madison, WI.

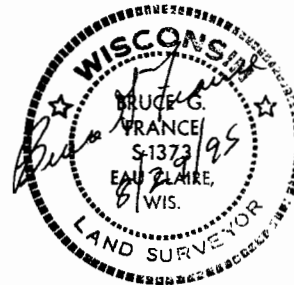
PHOENIX STEEL RECLAMATION SITES

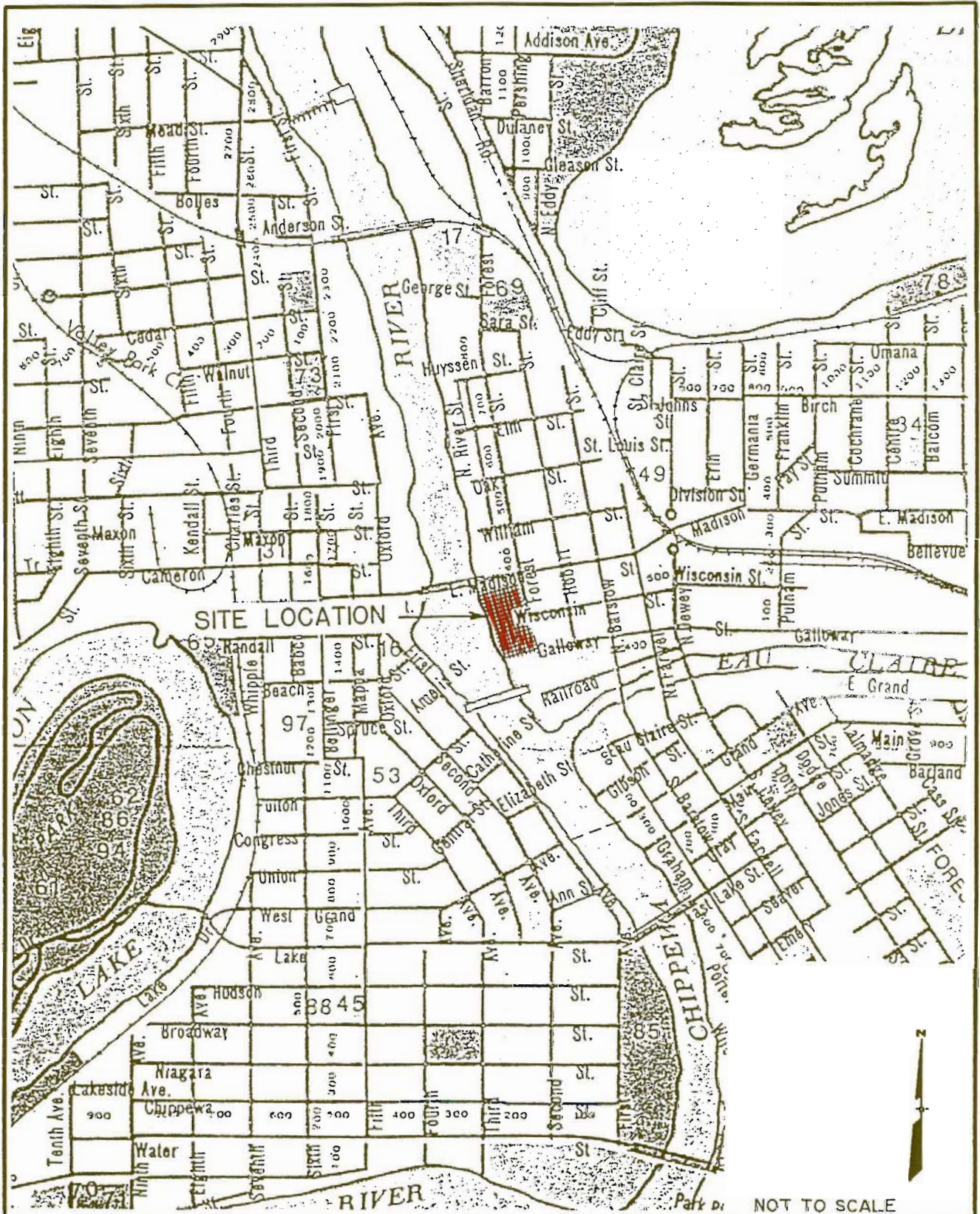


Two parcels of land labeled parcel "A" and parcel "B" being that part of Government Lot 7 of Section 20 and that part of Government Lot 1 of Section 17 all in T27N, R9W, City of Eau Claire, Eau Claire County, Wisconsin being part of Blocks 22 and 5 of Huysen Marfield, Galloway, and Meredith Addition the first of which is described as follows:

Commencing at the SW corner of said Section 17; thence S88°39'50"E along the south line of said Section 17 1122.23 feet to the point of beginning of parcel "A"; thence N26°33'13"W 71.43 feet; thence N76°02'30"E 221.25 feet; thence S77°27'00"E 38.54 feet; thence S58°00'10"E 33.18 feet; thence S44°18'04"E 47.02 feet; thence S15°36'23"E 244.97 feet; thence S09°49'06"W 41.13 feet; thence S83°09'19"W 39.49 feet; thence N22°27'24"W 262.16 feet; thence N65°00'20"W 26.89 feet; thence S70°39'13"W 92.05 feet; thence S83°25'27"W 85.20 feet; thence N26°33'13"W 11.32 feet to the point of beginning of parcel "A".

Also a parcel commencing at said SW corner of said Section 17; thence S88°39'50"E along the south line of said Section 17 1122.23 feet; thence N26°33'13"W 71.43 feet; thence N19°35'36"W 202.23 feet to the point of beginning of parcel "B"; thence N00°42'07"W 38.28 feet; thence N33°41'38"E 45.58 feet; thence S80°10'31"E 133.37 feet; thence S03°01'01"E 144.93 feet; thence S75°30'16"W 40.99 feet; thence N50°43'18"W 160.41 feet to the point of beginning of parcel "B".





Maple Grove, Minnesota 55369

FIGURE I
SITE LOCATION MAP
PHOENIX STEEL SITE WORKPLAN

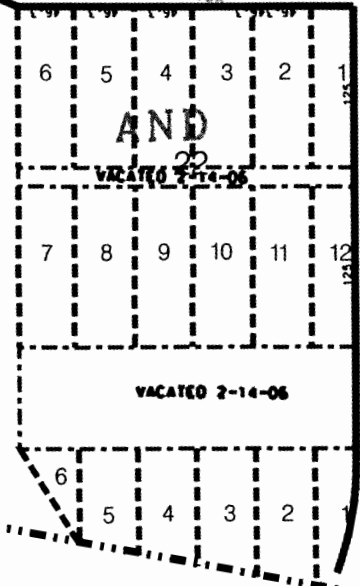
CITY OF EAU CLAIRE
EAU CLAIRE, WISCONSIN

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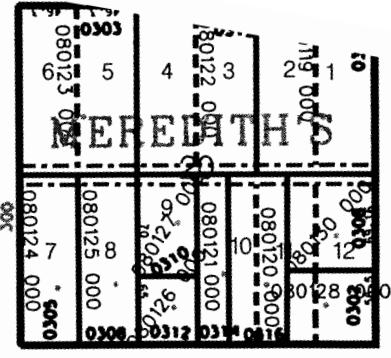
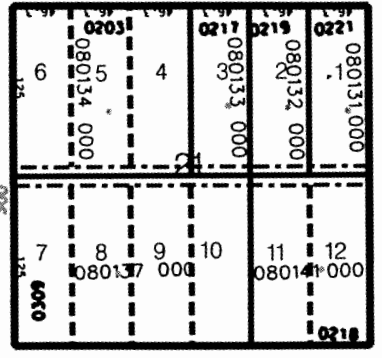
MADISON ST

100

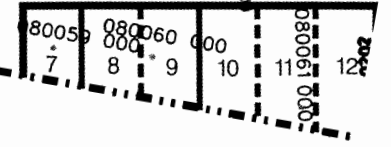
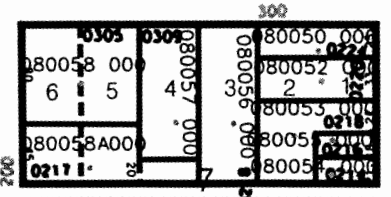
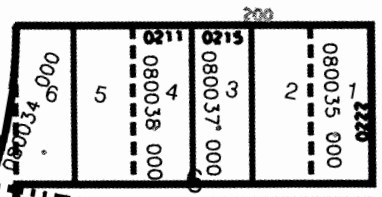
200



RIVERFRONT TERRACE



WISCONSIN ST



130

221-

BICYCLE/WALK BRIDGE

080032 000

RIVERFRONT TERRACE

EAU CLAIRE

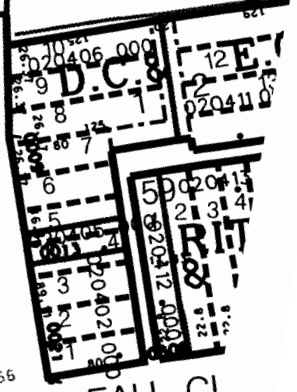
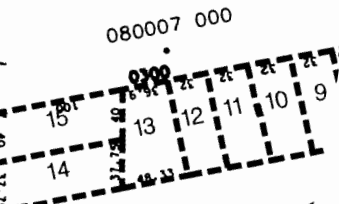
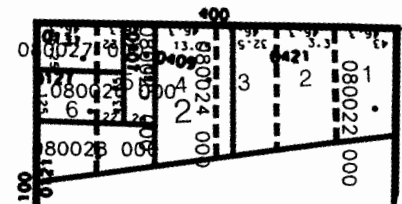
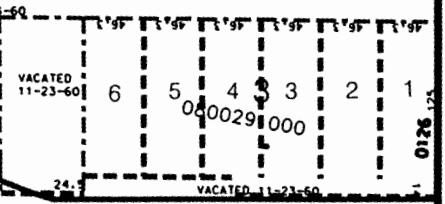
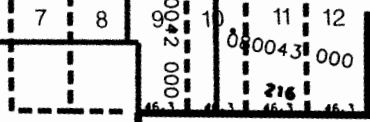
GALLOWAY ST

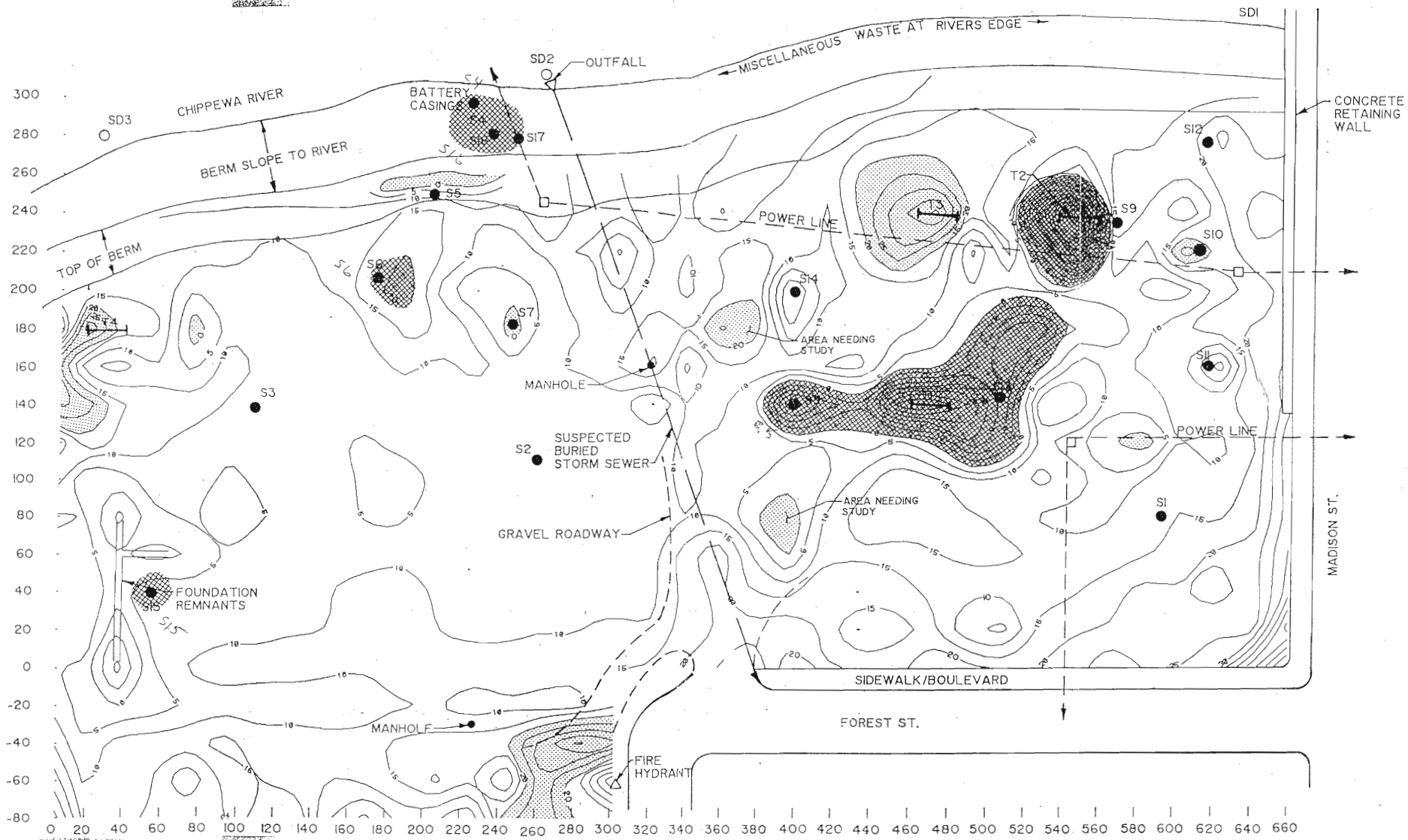
EAU CL

LOT 2

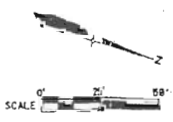
LOT 1

CSM 869303
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- LEGEND**
- S1 SOIL SAMPLE LOCATION
 - SD1 SEDIMENT SAMPLE LOCATION
 - T1 TRENCH LOCATION
 - ▨ AREA OF 720 OR NEGATIVE EM, ASSUMED BURIED MATERIAL
 - ▩ AREA OF LEAD IMPACTED SOIL



RUST ENVIRONMENT & INFRASTRUCTURE
 Minneapolis, MN 55441

FIGURE 1
 SAMPLE LOCATIONS AND AREAS OF LEAD IMPACTED SOIL
 PHOENIX STEEL SITE
 CITY OF EAU CLAIRE
 EAU CLAIRE, WISCONSIN

TABLE 1
BERM COMPOSITE SOIL ANALYSIS RESULTS
PHEONIX STEEL SITE
CITY OF EAU CLAIRE
 15-Jul-94

| SAMPLE DESCRIPTION | TOTAL LEAD (mg/kg) | TCLP-Lead (mg/L) | pH |
|---------------------------|---------------------------|-------------------------|-----------|
| Transect 1 | 100 | NA | NA |
| Transect 2 | 100 | NA | NA |
| Transect 3 | 2100 | 8.7 | NA |
| Transect 4 | 1000 | NA | NA |
| Transect 5 | 3600 | 34 | NA |
| Transect 6 | 1900 | 11 | NA |
| Transect 7 | 1600 | 12 | NA |
| Transect 8 | 1200 | 14 | NA |
| Transect 9 | 2300 | 29 | NA |
| Transect 10 | 1000 | NA | NA |
| Transect 11 | 100 | NA | NA |
| Transect 12 | 46 | ND | 7.6 |
| Transect 13 | 64 | 0.2 | 8 |
| Transect 14 | 92 | 0.34 | 8.1 |
| Transect 15 | 980 | 1.4 | 7.8 |
| Transect 16 | 72 | ND | 8.1 |
| Transect 17 | 68 | 0.044 | 7.9 |

NA - Not Analyzed
 ND - Not detected

TABLE 2
GRAB SAMPLE SOIL AND SEDIMENT ANALYSIS RESULTS
PHEONIX STEEL SITE
CITY OF FAU CLAIRE

15-Jul-94

| BATTERY CASING AREA SOIL SAMPLES: | |
|--|---------------------------|
| SAMPLE DESCRIPTION | TOTAL LEAD (mg/kg) |
| Center, 0-0.5 feet | 1400 |
| Center, 1.5-2 feet | 10600 |
| Center, 3-3.5 feet | 9300 |
| Center, 4.5-5 feet | 1400 |
| Perimeter-1, 0-0.5 feet | 600 |
| Perimeter-1, 1.5-2 feet | 200 |
| Perimeter-1, 3-3.5 feet | 500 |
| Perimeter-2, 0-0.5 feet | <100 |
| Perimeter-2, 1.5-2 feet | 500 |
| Perimeter-2, 3-3.5 feet | 800 |
| Perimeter-3, 0-0.5 feet | <100 |
| Perimeter-3, 1.5-2 feet | 100 |
| Perimeter-3, 3-3.5 feet | 200 |
| Perimeter-4, 0-0.5 feet | <100 |
| Perimeter-4, 1.5-2 feet | 200 |
| Perimeter-4, 3-3.5 feet | 1000 |
| Outside-1, 0-0.5 feet | 400 |
| Outside-1, 1.5-2 feet | 400 |
| Outside-2, 0-0.5 feet | 3100 |
| Outside-2, 1.5-2 feet | 3400 |
| Outside-3, 0-0.5 feet | <100 |
| Outside-3, 1.5-2 feet | <100 |
| Outside-4, 0-0.5 feet | 100 |
| Outside-4, 1.5-2 feet | 500 |

| RIVER SEDIMENT SAMPLES | |
|-------------------------------|---------------------------|
| SAMPLE DESCRIPTION | TOTAL LEAD (mg/kg) |
| Sediment at Transect 3 | 100 |
| Sediment at Transect 6 | 300 |
| Sediment at Transect 10 | 400 |

TABLE 3
SOIL STABILIZATION TREATABILITY STUDY RESULTS
PHEONIX STEEL SITE
CITY OF EAU CLAIRE
 15-Jul-94

| STABILIZATION REAGENT MIX | TEST ROUND | TOTAL Pb (mg/kg) | TCLP Pb (mg/L) | pH (final) | pH (initial) | SOLIDS % | VOL EXPAN % | WET DENSITY (lb/ft ³) |
|---|------------|------------------|----------------|------------|--------------|----------|-------------|-----------------------------------|
| COMPOSITE SAMPLE RESULTS (ET-1152): | | | | | | | | |
| Pre-Treatment Analysis | - | 2900 | 56 | 7.8 | 5.2 | 86 | | |
| A1 - 10 | Initial | | <0.05 | 11.2 | 10.8 | 100 | 1.8 | 108.7 |
| A1 - 20 | Initial | | <0.05 | 11.3 | 11.4 | 100 | 12.4 | 107.4 |
| E53 - 15 | Initial | | 4.7 | 10.6 | 5.9 | 100 | 7 | 108 |
| E53 - 30 | Initial | | <0.05 | 10.6 | 8.3 | 100 | 23.3 | 106 |
| D40 - 15 | Initial | | 9.2 | 12 | 5.7 | 100 | 12.7 | 102.6 |
| D40 - 30 | Initial | | <0.05 | 12.4 | 7.5 | 100 | 37.4 | 95.2 |
| B7 - 5 | Initial | | 24 | 12 | 5.6 | 100 | 6.6 | 99 |
| B7 - 10 | Initial | | 4.9 | 12.2 | 12.1 | 100 | 14.2 | 96.9 |
| HOT SPOT SAMPLE RESULTS (ET - 1151): | | | | | | | | |
| Pre-Treatment Analysis | - | 13000 | 84 | 8.5 | 5.5 | 88 | | |
| A1 - 20 | Initial | | <0.05 | 11.6 | 11.2 | 100 | 13.4 | 101 |
| E53 - 30 | Initial | | <0.05 | 10.9 | 8.2 | 100 | 20.6 | 102.8 |
| D40 - 30 | Initial | | <0.05 | 12.5 | 7.8 | 100 | 24.3 | 99.7 |
| B7 - 10 | Initial | | 28 | 12.3 | 11.4 | 100 | - | - |
| A1 - 10 | Final | | <0.05 | 11.2 | 11.6 | 100 | 0 | 105 |
| E53 - 20 | Final | | <0.05 | 10.9 | 7.7 | 100 | 10.6 | 103.5 |
| D40 - 20 | Final | | 1.6 | 12.3 | 6.7 | 100 | 12.6 | 101.7 |

Notes and reagent designations: Bold results exceed TCLP performance standard.
 (-) Not Tested
 (A1) Type 1 Portland Cement (D4) Lime Kiln Dust
 (B7) Pulverized Quick Lime (E53) Class C Fly Ash