

# GIS REGISTRY

## Cover Sheet

August 2011  
(RR-5367)

### Source Property Information

BRRTS #: 03-36-170638

ACTIVITY NAME: Mirro CO PLT 5

PROPERTY ADDRESS: 2009 Mirro Dr

MUNICIPALITY: City of Manitowoc

PARCEL ID #: 052-809-401-010.00

CLOSURE DATE: Jan 27, 2003

FID #: 436106110

DATCP #:

PECFA#: 54220671715A

#### \*WTM COORDINATES:

X: 709735 Y: 408798

*\* 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.].

BRRTS #:	03-36-170638	(No Dashes)	PARCEL ID #:	052-809-401-010.00
ACTIVITY NAME:	Mirro CO PLT 5		WTM COORDINATES:	X: 708735 Y: 408798

**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:**
- 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 #:**                      **Title:**
  - 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 Layout And Soil Sample Locations**
  - 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 #:**                      **Title:**

BRRTS #: 03-36-170638

ACTIVITY NAME: Mirro CO PLT 5

**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 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 #:** 1-3                      **Title:** **Summary of UST System Information, ...Inspection, ..Soil Sample Field Screening**

- 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 #: 03-36-170638

ACTIVITY NAME: Mirro CO PLT 5

**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.

**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:**

**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:**



January 27, 2003

Mr. Thomas Reed  
Mirro Corporation  
PO Box 1330  
Manitowoc, WI 54221-1330

RE: **Final Closure**

**Commerce # 54220-6717-15**      **WDNR BRRTS # 03-36-170638**  
Mirro Corporation Plant 5, 2015 Mirro Drive, Manitowoc

Dear Mr. Reed:

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

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

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (920) 424-0046.

Sincerely,

A handwritten signature in black ink, appearing to read 'Robert H. Klauk', written in a cursive style.

Robert H. Klauk, PG  
Hydrogeologist  
Site Review Section

cc: **Marty Koopman – Northern Environmental  
Case File**

926152



Document Number

DEED RESTRICTION

In re: All that part of the Southeast one quarter (SE1/4) of Section nine (9), Township nineteen (19) North of Range twenty-four (24) east, lying north of the Chicago and Northwestern Railway Company right of way, containing approximately one hundred and four (104) acres.

RCPT\* 556. STN

\$33.00 MISC

STATE OF WISCONSIN  
MANITOWOC COUNTY  
PRESTON JONES  
REGISTER OF DEEDS  
RECEIVED FOR RECORD

15 JAN 2003 1:45:13 PM

**Recording Area**

**Name and Return Address**

Charles Hauck  
Newell Operating Company (Mirro)  
2015 Mirro Drive  
Manitowoc, Wisconsin 54221

**Declaration of Restrictions**

STATE OF WISCONSIN        )  
  ) ss  
COUNTY OF MANITOWOC    )

**Parcel Identification Number (PIN)**

WHEREAS, Newell Operating Company (formerly known as the Aluminum Goods Manufacturing Company, a New Jersey Corporation) is the owner of the above-described property.

WHEREAS, one or more discharges have occurred on this property. Contaminated soils exist on this property at or near the locations as shown in Exhibit A, Figure 1 Site Layout, Mirro Company

Specific types, concentrations, and locations of contaminated soil are listed below with corresponding attached drawings:

- Exhibit B: Figures 2 and 3: Diesel range organics (DRO), gasoline range organics, (GRO), petroleum volatile organic compounds (PVOC) at the northeast corner of Plant 01 [formerly known as Plant #7] (BRRTS #03-36-001476), in the location of the soil excavation and water supply line.
- Exhibit C, Figure 4: DRO and polychlorinated byphenols (PCBs) on the north side of Plant 02 (BRRTS #02-36-220607), approximately 40 feet northeast of overhead door #23
- Exhibit D, Figure 5: DRO on the North side of Plant 50 [formerly known as plant #5](Commerce #54220-6717-15), on the north side of the plant at the wall, 15 feet south of the concrete access manhole.



NOW THEREFORE, the owner hereby declares that specific portions of the property described above as specifically described below, are held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

1. Northeast corner of Plant 01 [formerly known as Plant #7] (BRRTS #03-36-001476), in the location of the soil excavation and water supply line [Exhibit B: Figures 2 and 3]

One or more petroleum discharges have occurred at this location on the property. Structural impediments existing at the time of clean-up made complete remediation of the soil contamination impracticable. Petroleum contaminated soil may remain on this property at the following locations: near the northeast corner of Plant 01 and in the location of the soil excavation and water supply line as specifically identified in Exhibit B (Figures 2 and 3). Pursuant to the requirements of s. 292.11, Stats, if the structural impediments that currently exist on this property are removed, the property owner shall conduct an investigation of the degree and extent of petroleum contamination. To the extent that contamination is found at that time, the Wisconsin Department of Natural Resources shall be immediately notified and the contamination shall be properly treated or disposed of in accordance with applicable laws.

2. North side of Plant 02 (BRRTS #02-36-220607) [Exhibit C, Figure 4]

The following activities are prohibited on that portion of the property shown in Exhibit C, Figure 4 where a soil cover has been placed (in the vicinity of soil sample S-2) unless prior written approval has been obtained from the Wisconsin Department of Natural Resources or its successor or assign: (1) Excavating or grading of the land surface; (2) Filling on the capped area; (3) Plowing for agricultural cultivation; and (4) Construction or installation of a building or other structure with a foundation that would sit on or be placed within the cap or cover. In addition, the soil cover shall be maintained in compliance with a Plan dated June 11, 2002, prepared and submitted to the Wisconsin Department of Natural Resources by Mirro Co, as required by section NR 724.13(2), Wis. Adm. Code (1999).

3. North side of Plant 50 [formerly known as plant #5](Commerce #54220-6717-15) [Exhibit D, Figure 5]

This affidavit is being recorded for the purpose of notifying prospective purchasers and other interested parties that soil contaminated with Diesel Range Organics from an underground storage tank remains on this property as shown on Exhibit D, Figure 5. If this contaminated soil is excavated in the future, it may be considered solid waste and will need to be disposed in accordance with applicable statutes and rules.

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct further soil remediation activities on the property at the present time.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction benefits and is enforceable by, the Wisconsin Department of Natural Resources, its successors and 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 this covenant, to prevent the proposed violation or to recover damages for such violation.



Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that the restrictions set forth in this covenant are no longer required. Upon receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, with a copy of the Department's written determination, may be recorded to give notice that this deed restriction, or portions of this deed restriction are no longer binding.

By signing this document, Douglas L. Martin acknowledges that he is duly authorized to sign this document on behalf of Newell Operating Company.

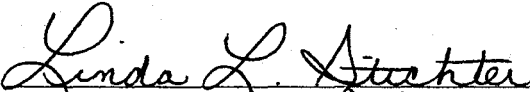
Signature: 

Printed Name: Douglas L. Martin

Title: Vice President – Treasurer of Newell Operating Company

Subscribed and sworn to before me

this 20 day of December, 2002

  
Notary Public, State of Illinois  
My commission expires March 26, 2005







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**EXHIBIT A**  
**SITE LAYOUT**



60 Acre  
Parcel - Leased for  
farming

35

30

25

20

15

10

5

0

Site Location -  
BRRTs #02-36-220607

Mirro Company  
Plant 567  
Manitowoc, WI

104 Acres  
Main Site

0 500'



Site Location -  
BRRTS#03-36-001476

Site Location -  
BRRTS #03-36-170638/  
Commerce #54220-6717-15

Scale: one unit=100 feet

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC

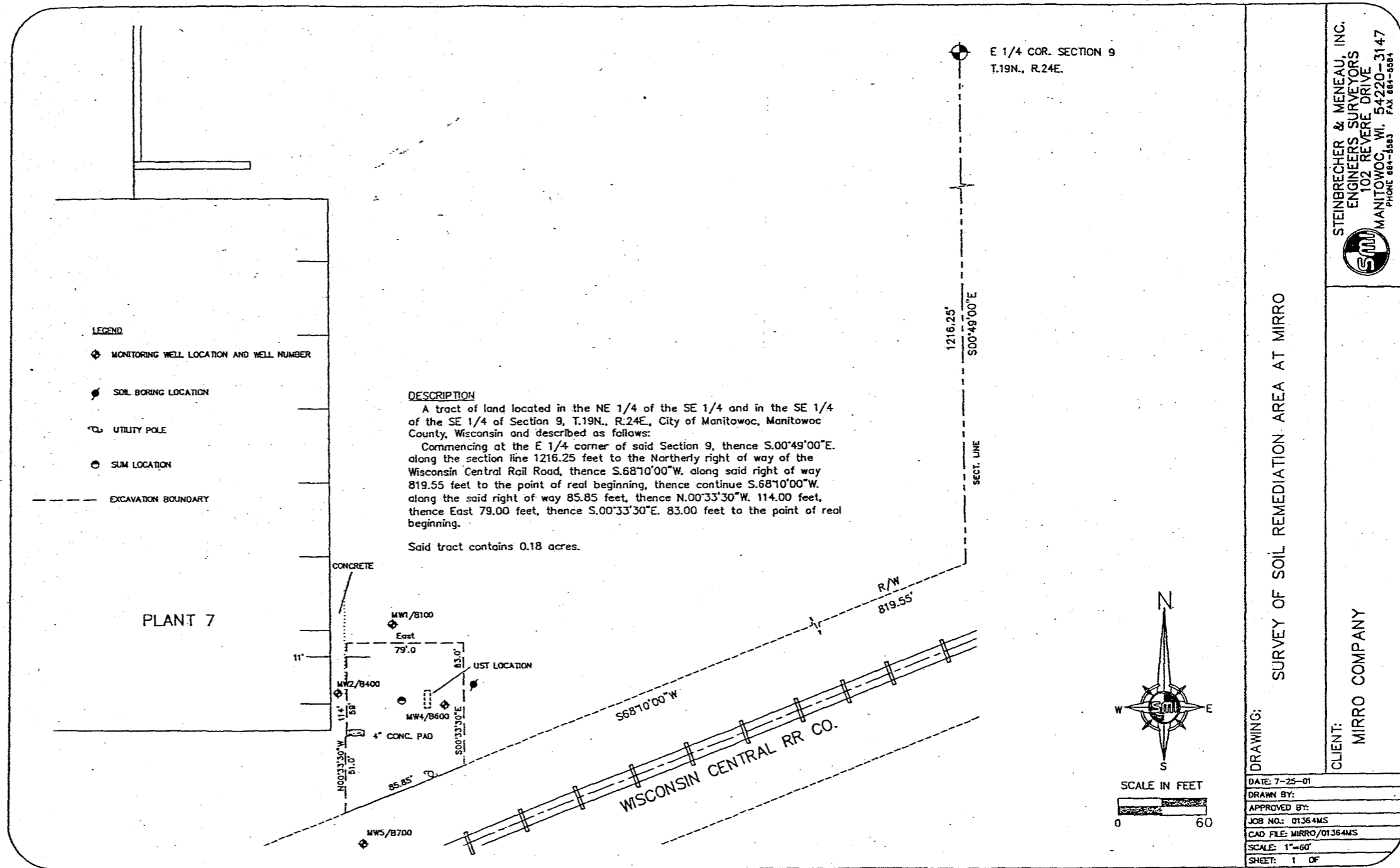
Rail Road Track

FIGURE 1: SITE LAYOUT, MIRRO COMPANY



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**EXHIBIT B**  
**LOCATION OF REMAINING SOIL CONTAMINATION**  
**PLANT #01**



**LEGEND**

- ◆ MONITORING WELL LOCATION AND WELL NUMBER
- SOIL BORING LOCATION
- UTILITY POLE
- SUM LOCATION
- - - EXCAVATION BOUNDARY

**DESCRIPTION**

A tract of land located in the NE 1/4 of the SE 1/4 and in the SE 1/4 of the SE 1/4 of Section 9, T.19N., R.24E., City of Manitowoc, Manitowoc County, Wisconsin and described as follows:  
 Commencing at the E 1/4 corner of said Section 9, thence S.00°49'00"E. along the section line 1216.25 feet to the Northerly right of way of the Wisconsin Central Rail Road, thence S.68°10'00"W. along said right of way 819.55 feet to the point of real beginning, thence continue S.68°10'00"W. along the said right of way 85.85 feet, thence N.00°33'30"W. 114.00 feet, thence East 79.00 feet, thence S.00°33'30"E. 83.00 feet to the point of real beginning.

Said tract contains 0.18 acres.

E 1/4 COR. SECTION 9  
T.19N., R.24E.



DRAWING: SURVEY OF SOIL REMEDIATION AREA AT MIRRO

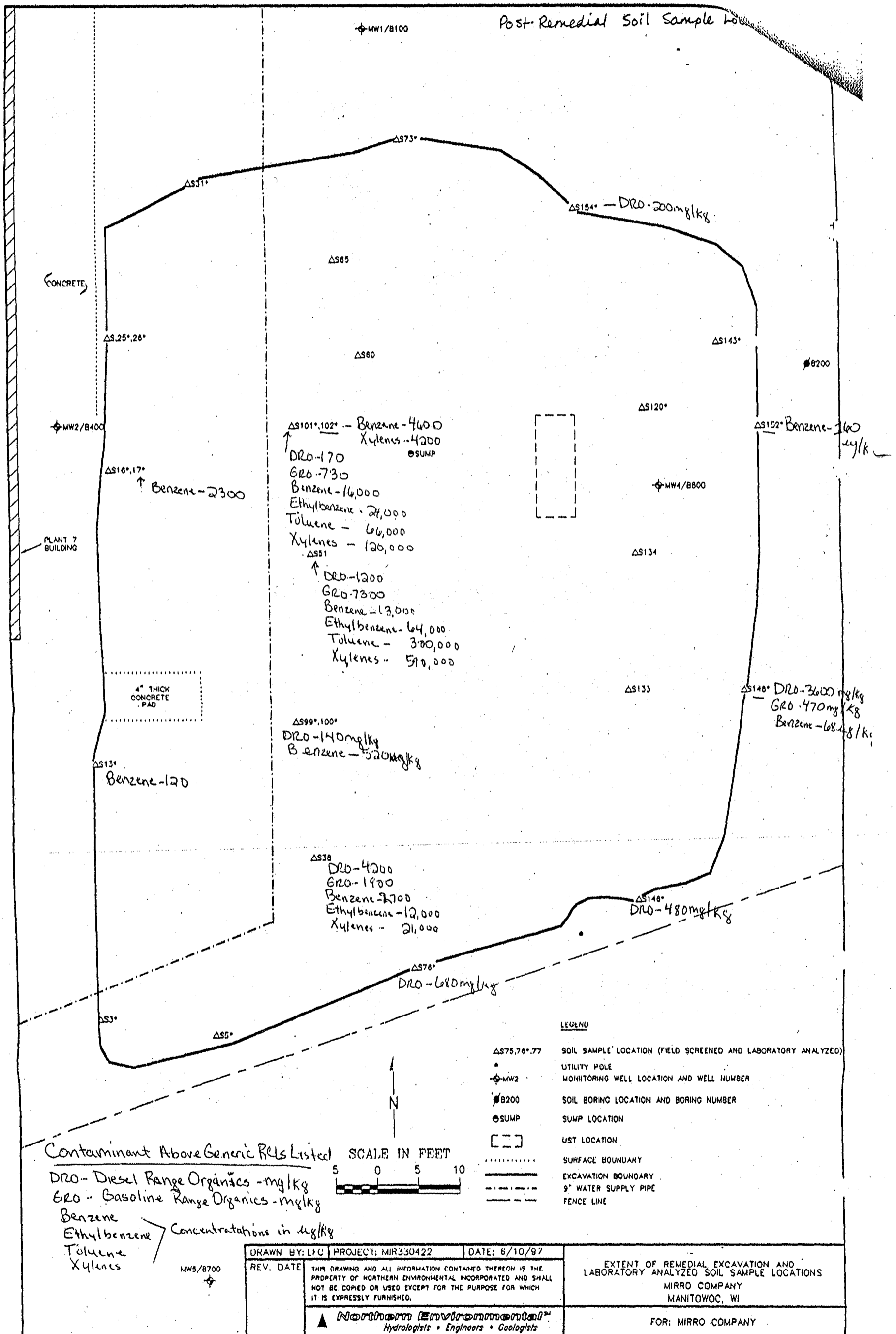
STEINBRECHER & MENEAU, INC.  
 ENGINEERS SURVEYORS  
 102 REVERE DRIVE  
 MANITOWOC, WI. 54220-3147  
 PHONE 881-5583 FAX 881-5884

CLIENT: MIRRO COMPANY

DATE: 7-25-01
DRAWN BY:
APPROVED BY:
JOB NO.: 01364MS
CAD FILE: MIRRO/01364MS
SCALE: 1"=60'
SHEET: 1 OF

FIGURE 2

PLANT 01



S:\PROJ\MM\330422\EXCSAMP

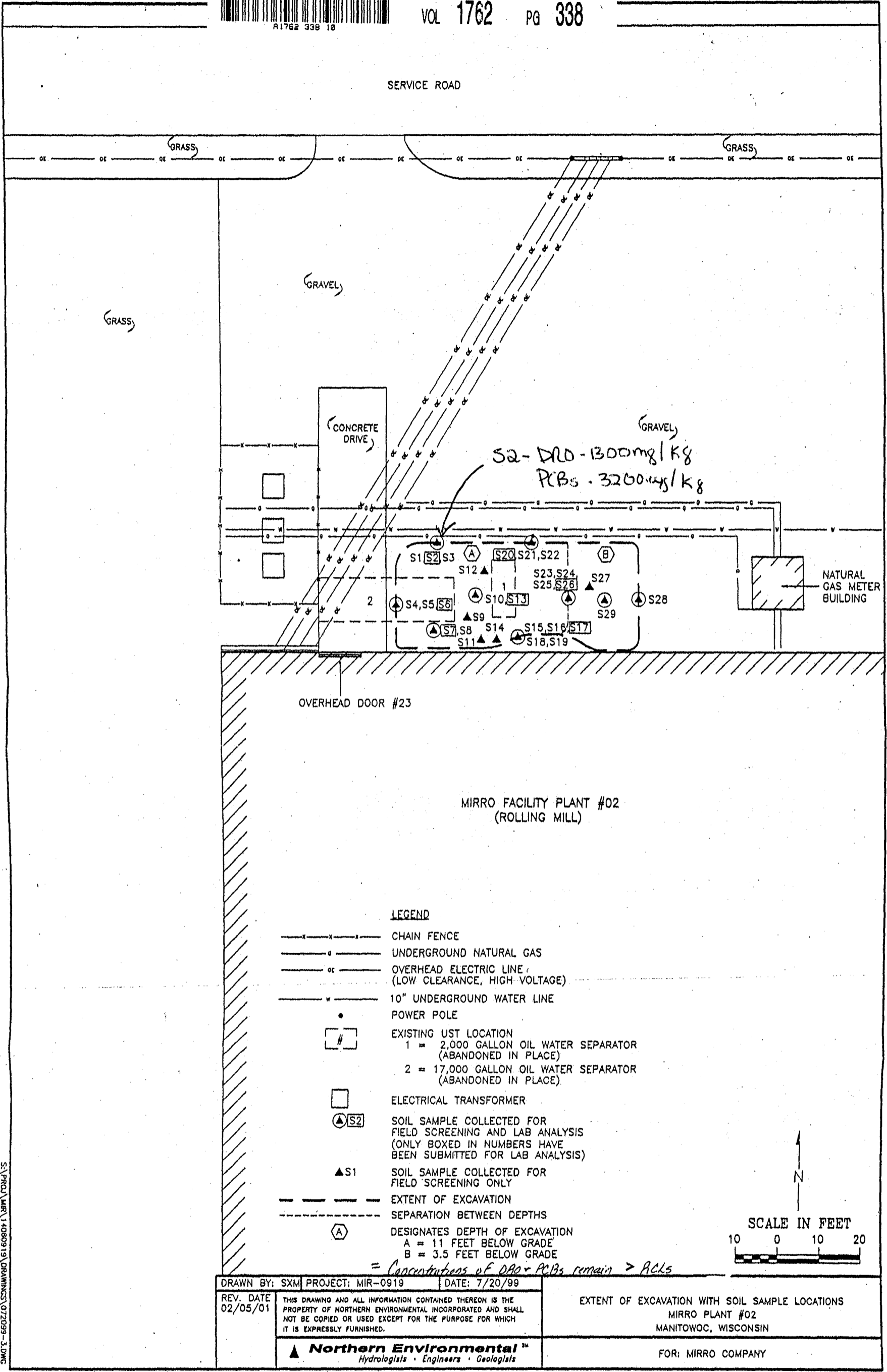
PLANT FIGURE 3





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**EXHIBIT C**  
**LOCATION OF REMAINING SOIL CONTAMINATION**  
**PLANT #02**



S:\PROJ\MIR\14080919\DRAWINGS\072099-3.DWG

DRAWN BY: SXM PROJECT: MIR-0919 DATE: 7/20/99 REV. DATE: 02/05/01 THIS DRAWING AND ALL INFORMATION CONTAINED THEREON IS THE PROPERTY OF NORTHERN ENVIRONMENTAL INCORPORATED AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS EXPRESSLY FURNISHED.	EXTENT OF EXCAVATION WITH SOIL SAMPLE LOCATIONS MIRRO PLANT #02 MANITOWOC, WISCONSIN FOR: MIRRO COMPANY
<b>Northern Environmental</b> Hydrologists • Engineers • Geologists	

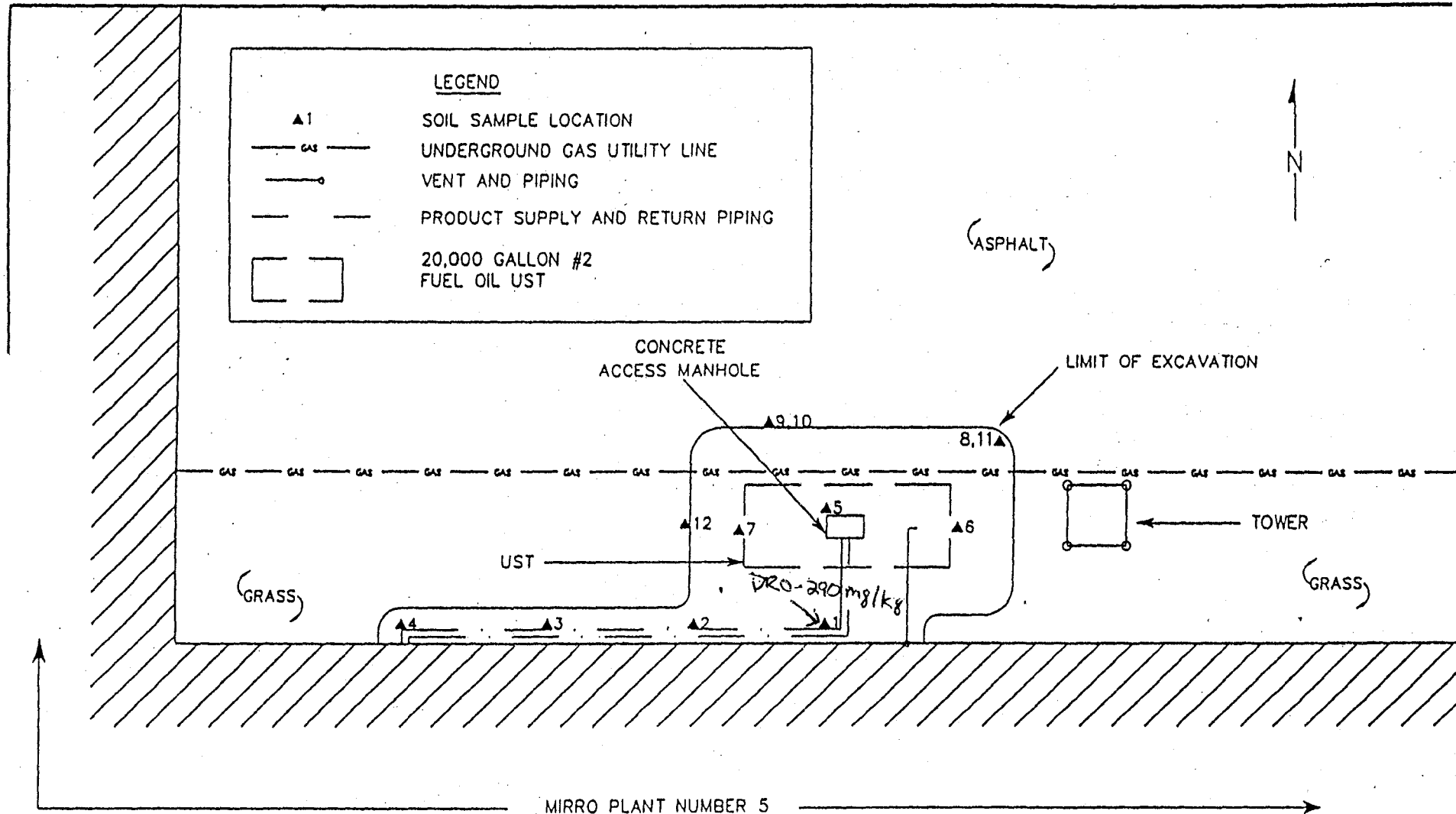
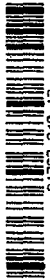
FIGURE 4  
PLANT 02



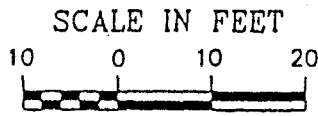
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**EXHIBIT D**

**LOCATION OF REMAINING SOIL CONTAMINATION  
PLANT #50**



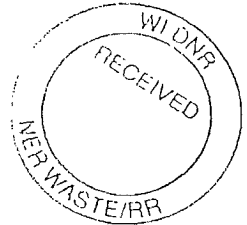
MIRRO PLANT NUMBER 5



DRAWN BY: DAM	PROJECT: USP820163	DATE: 9/5/1997	SITE LAYOUT AND SOIL SAMPLE LOCATIONS MIRRO PLANT #5 MANITOWOC, WISCONSIN
REV. DATE	THIS DRAWING AND ALL INFORMATION CONTAINED THEREON IS THE PROPERTY OF NORTHERN ENVIRONMENTAL INCORPORATED AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS EXPRESSLY FURNISHED.		
▲ Northern Environmental <sup>SM</sup> Hydrologists • Engineers • Geologists			FOR: US PETROLEUM EQUIPMENT

FIGURE 5 PLANT 5

June 11, 2002  
(MIR03-1408-0919)



Ms. Annette Weissbach  
Wisconsin Department of Natural Resources  
Post Office Box 10448  
Green Bay, Wisconsin 54307-0448

Re: Performance Standard Cap, Mirro Company Plant #02, 2401 Memorial Drive, Manitowoc,  
Wisconsin; BRRTS #02-36-220607

Dear Ms. Weissbach:

On behalf of the Mirro Company, Northern Environmental Technologies, Incorporated (Northern Environmental) is providing information regarding the performance standard cap that was required as part of the conditional case closure letter for the Mirro Company Plant #02, 2401 Mirro Drive, Manitowoc, Wisconsin (the Site). As part of the conditional case closure of the Site, the WDNR is requiring that a surface barrier be maintained over the soil contamination near soil sample S2. Given the low permeability of the native soil at the Site, Northern Environmental is recommending that the top three feet of soil near soil sample S2 serve as a performance standard cap.

#### Maintenance Plan

The surface area near S1 will be inspected on a yearly basis by the Site owner to ensure that the cap is being maintained. The area will be examined for evidence of settling, potholes, erosion, and other damage. Damaged areas will be repaired within 30 days of discovery. A report describing the nature and extent of any damage to the barrier and subsequent repairs will be submitted to the Wisconsin Department of Natural Resources upon completion of these activities. Completed copies of written inspections will be maintained on-site. An example of the inspection form is enclosed.

We trust this information meets your needs. Please contact us at 920-592-8400 if you have any questions.

Sincerely,  
**Northern Environmental  
Technologies, Incorporated**

A handwritten signature in black ink, appearing to read "Lynelle P. Caine".

Lynelle P. Caine  
Project Manager

LPC/jmv  
Mr. Doug Deaton, Mirro Company

©2002 Northern Environmental Technologies, Inc.

S:\proj\MIR\14080919\LETTERS\maintenance plan.doc

**WISCONSIN** • Milwaukee • Green Bay • Waupun • Park Falls  
**MINNESOTA** • St. Paul • Brainerd • Rochester

**CANADA** • Calgary



**Annual Surface Barrier Inspection Report**  
**Plant #02, 2401 Mirro Drive**  
**Manitowoc, Wisconsin**

---

Date: \_\_\_\_\_ Weather \_\_\_\_\_

Inspected By: \_\_\_\_\_

---

Observations of paved areas: \_\_\_\_\_

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---

---

Signature: \_\_\_\_\_



BRRTS: 03-36-170638

October 13, 2000

Mirro Corporation  
Attn: Mr. Thomas Reed  
P.O. Box 1330  
Manitowoc, WI 54221-1330

**RE: CONDITIONAL CLOSURE**  
Mirro Corporation Plant No. 5, 2015 Mirro Drive, Manitowoc, WI  
Commerce #54220-6717-15

Dear Mr. Reed:

On October 13, 2000, the closure request for the above-referenced site was reviewed by the Site Review staff of the Petroleum Environmental Cleanup Fund Bureau. The site was transferred from the WDNR to the Department of Commerce for regulatory authority on September 11, 2000. Using guidance established in NR 700, COMM 47 and COMM 46, the Department has determined that the site meets environmental standards and no further action is necessary.

The Department, in making this determination, reviewed the following document prepared by Northern Environmental, as well as other correspondence in the case file:

- *UST Site Assessment*, October 28, 1997

**The following documentation is necessary to satisfy the conditions of closure:**

1. A notification must be placed on the property deed addressing residual soil impacts. For case closure, we will need a copy of the deed notification that contains the County Register of Deeds' recording information. Enclosed an example of a "Notice of Contamination to Property" for your use. If you wish to modify the language, submit a copy to this office for approval before filing.

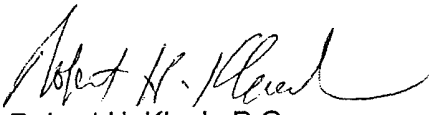
**IMPORTANT:** Before this case can be officially listed as "closed" on the Wisconsin Department of Commerce/Natural Resources computer database, you or your consultant must submit the requested information.

Mr. Thomas Reed  
Mirro Corporation

If, in the future, site conditions indicate that the contamination that remains poses a threat the need for further remediation would be determined and required if necessary. If subsequent information indicates a need to reopen this case, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

Thank you for your efforts in the protection of the environment. If you have any questions you may contact me at 920-424-0046.

Sincerely,



Robert H. Klauk, P.G.  
Hydrogeologist  
PECFA Site Review Section

Encl.:

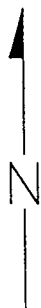
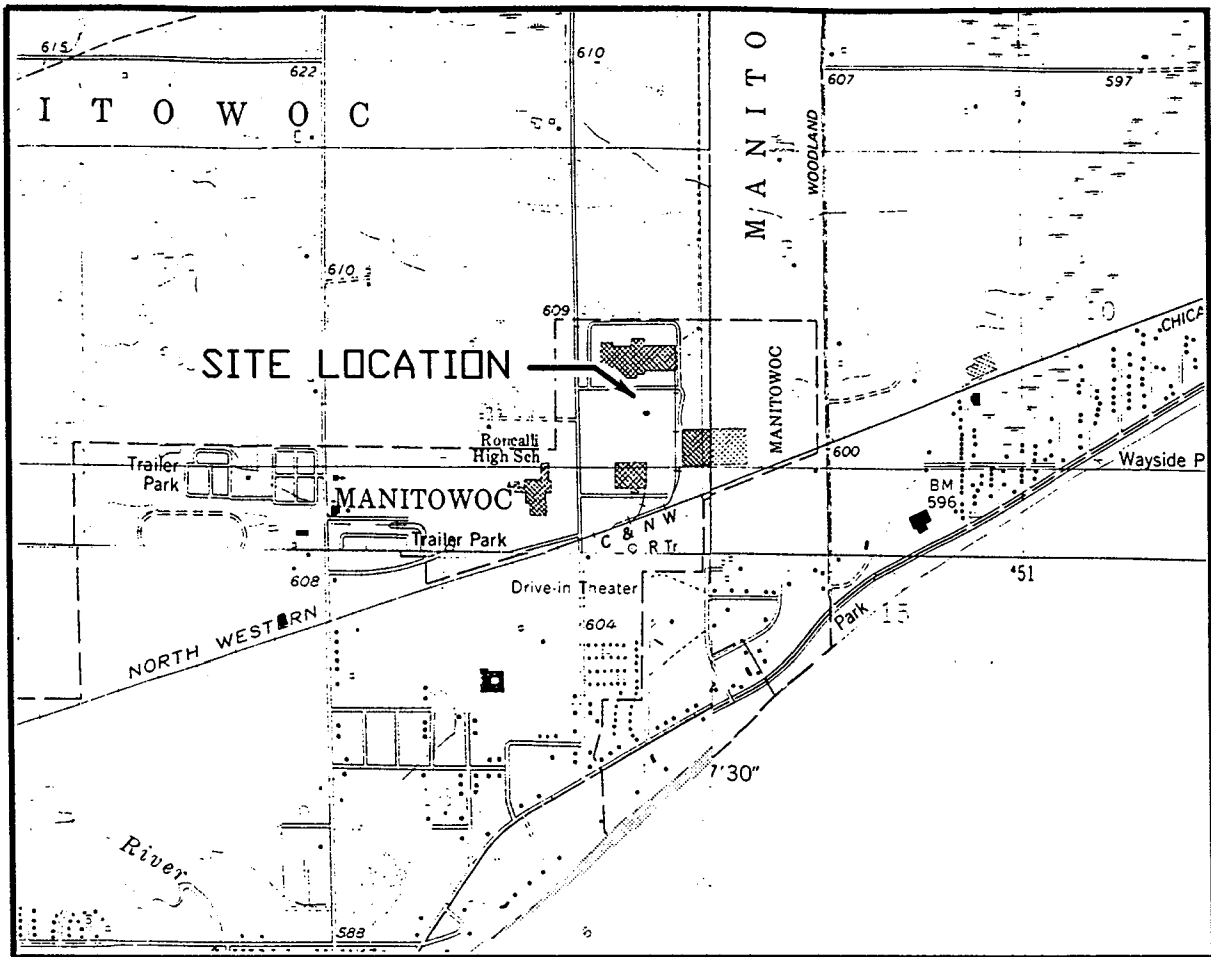
Cc: Clint W. Wendt – Northern Environmental  
Pf\pecfa\542\54220\671715\Close-Conditional.doc

**BRRTS #:** 03-36-170638  
**FID #:** 436106110  
**SITE NAME:** MIRRO CORP PLT #5

### **Associated VPLE Site**

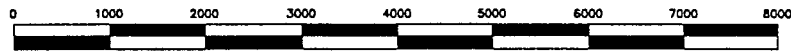
To view the Certificate of Completion (COC) for this site click on the link below:

<b>BRRTS #</b>	<b>SITE NAME</b>
06-36-556282	<a href="#"><u>SKANA ALUMINUM CO (VPLE)</u></a>



SCALE IN FEET

1" = 2000'



CONTOUR INTERVAL 10 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929



BASE MAP SOURCE: USGS MANITOWOC, MISHICOT, TWO RIVERS WISCONSIN 7.5 MINUTE QUADRANGLES, 1954, 1978, 1978

QUADRANGLE LOCATION

DRAWN BY: DAM PROJECT: USP820163 DATE: 9/5/1997

FIGURE 1

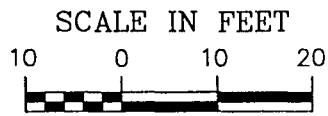
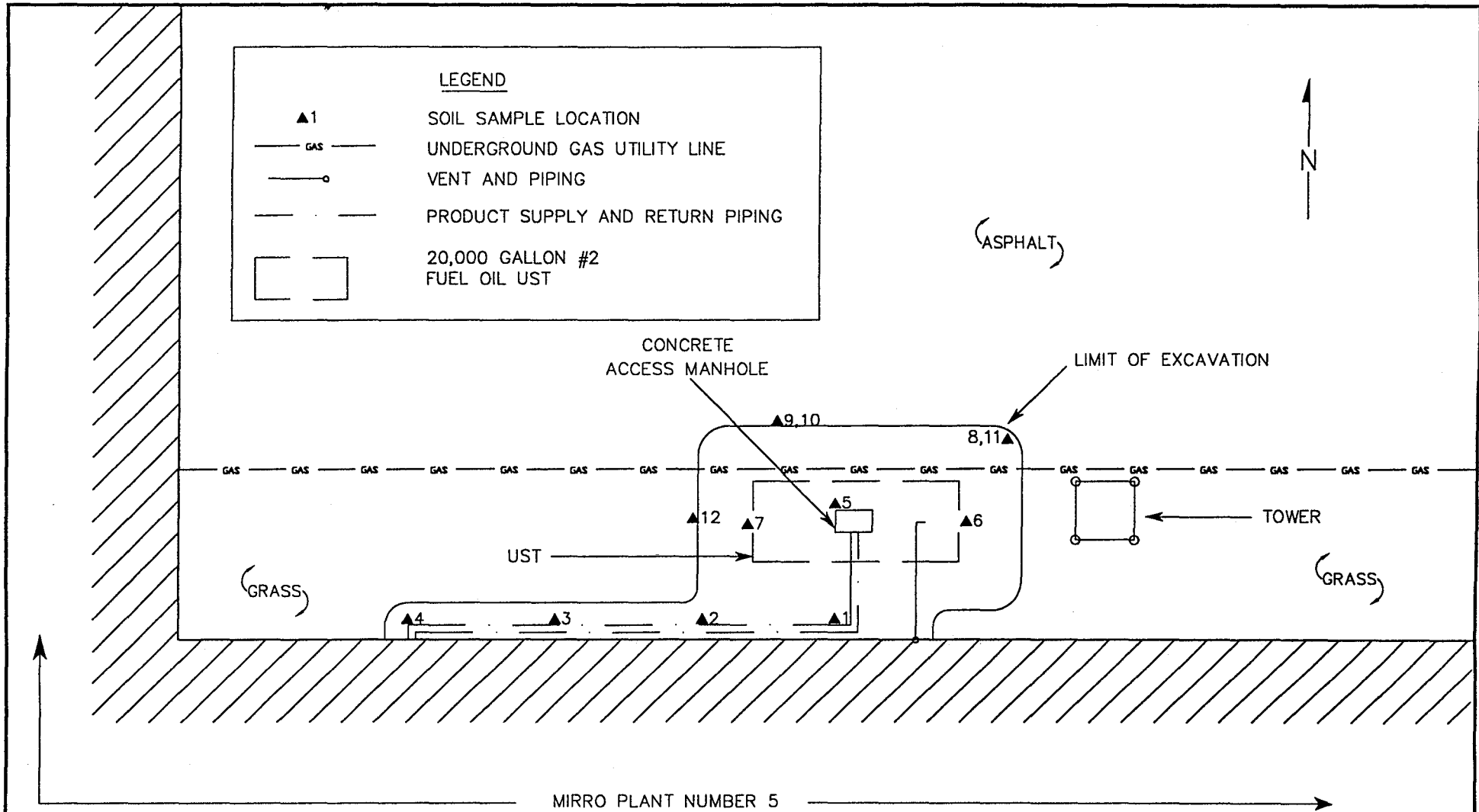
SITE LOCATION AND LOCAL TOPOGRAPHY  
MIRRO PLANT #5  
MANITOWOC, WISCONSIN

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▲ Northern Environmental<sup>SM</sup>  
Hydrologists • Engineers • Geologists

FOR: US PERTROLEUM





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▲ Northern Environmental <sup>SM</sup> Hydrologists • Engineers • Geologists		

FIGURE 2 SITE LAYOUT AND SOIL SAMPLE LOCATIONS MIRRO PLANT #5 MANITOWOC, WISCONSIN
FOR: US PETROLEUM EQUIPMENT

**Table 1 Summary of UST System Information, Mirro Corporation, Manitowoc, Wisconsin**

UST Number	Registration Number	UST Construction	Volume (gallons)	Contents	Status	Date Installed	Type of Delivery System	Piping Construction	Location of Check Valves
1	360700199	Coated Steel	20,000	#2 Fuel Oil	Removed 08/13/97	01/01/50	Unknown	Bare Steel	Unknown

**Table 2 Summary of UST System Inspection**

UST Number	UST Condition	Piping Condition	Piping Joint Integrity	Dispenser Condition	Apparent Releases
1	Little Rust	Rusted	Fair	Not Applicable	No

**Table 3 Summary of Soil Sample Field Screening and Laboratory Analysis**

Sample Number	Associated UST System	Location	Depth (fbg)	Date Collected	Time	PID Response (iui)	Odor	Soil Description	Soil Type (USCS)	Laboratory Analytical Results (mg/kg) DRO
1	1	Beneath Piping	4	08/13/97	11:20	27	None	Sand	SW	290
2	1	Beneath Piping	4	08/13/97	11:20	1.5	None	Sand	SW	<10
3	1	Beneath Piping	4	08/13/97	11:21	2.0	None	Sand	SW	<10
4	1	Piping	3	08/13/97	11:22	1.0	None	Silty Clay	CL	<10
5	1	Beneath Center of UST	15	08/13/97	12:07	1.0	None	Gravelly Sand	SW	<10
6	1	Beneath East End of UST	15	08/13/97	12:08	66	Trace Petroleum	Gravelly Sand	SW	<10
7	1	Beneath West End of UST	15	08/13/97	12:09	19	None	Gravelly Sand	SW	<10
8	1	Excavation Wall	6	08/13/97	12:25	6.0	None	Gravelly Sand	SW	<10
9	1	Excavation Wall	6	08/13/97	12:26	4.0	None	Gravelly Sand	SW	<10
10	1	Excavation Wall	14	08/13/97	13:06	10.0	None	Gravelly Sand	SW	32
11	1	Excavation Wall	14	08/13/97	13:06	2.0	None	Gravelly Sand	SW	<10
12	1	Excavation Wall	15	08/13/97	13:07	1.0	None	Silty Clay	CL	<10

**Note:**

UST = underground storage tank  
 fbg = feet below grade  
 iui = instrument units as isobutylene  
 USCS = United Soil Classification System  
 mg/kg = milligram per kilogram  
 <x = not detected above laboratory reporting limit of x

