

**APPENDIX C**

1690212

OFFICE OF THE COUNTY RECORDER  
DAKOTA COUNTY, MINNESOTA  
CERTIFIED THAT THE WITHIN INSTRUMENT  
WAS RECORDED IN THIS OFFICE ON AND AT

2000 MAY 11 A 10:39

1690212

DOC. NO.

JOEL T. BECKMAN, COUNTY RECORDER

BY *[Signature]* Deputy

FEE *27.00* SURCHARGE *4.50*

CASH  CHECK  ESCROW

WELL  CHARGE

CHARGE TO: \_\_\_\_\_

OR \_\_\_\_\_

DO NOT REMOVE

*73*

*Rosemount Research Center  
15225 Babcock Ave  
Rosemount MN 55068  
4111 2nd Avenue Boudreau*

1690212

DECLARATION OF RESTRICTIONS AND COVENANTS

THIS DECLARATION is made this 3<sup>rd</sup> day of January, <sup>2000</sup>1999, by the Regents of *[Signature]*  
the University of Minnesota (hereinafter "University of Minnesota" or "University").

WITNESSETH:

WHEREAS, University of Minnesota is the fee owner of certain real property located in Section 35, Township 115N, Range 19W, Dakota County, Minnesota, as described herein (the "Property"); and

WHEREAS, a portion of the Property was the site of release(s) of certain hazardous substances as defined by Minnesota Statutes Section 115B.02 and was listed on the State Permanent List of Priorities pursuant to Minnesota Statutes Section 115B.17, Subd. 13 and Minnesota Rules 7044.0450; and

WHEREAS, response actions have been taken at the Property pursuant to a Response Action Agreement dated May 30, 1985 between the Minnesota Pollution Control Agency ("MPCA") and the University of Minnesota; and

WHEREAS, the MPCA and University of Minnesota desire to de-list the Property from the State Permanent List of Priorities; and

WHEREAS, to assure the continued effectiveness of response actions and as a condition to de-listing the Property, the MPCA has requested that University of Minnesota place

certain restrictions on the use of portions of the Property; and

WHEREAS, University of Minnesota is willing to place such restrictions on said portions of the property;

NOW, THEREFORE, the University of Minnesota makes the following declarations as to limitations, restrictions and uses to which the Property may be put, and specifies that such declarations shall constitute covenants to run with the Property as provided by law and shall be binding on all parties who now or hereafter have or hold any right, title or interest in or to the property and all persons claiming under them:

1. Property.

As used herein, "Property" shall be the real property owned by University of Minnesota located in Section 35, Township 115N, Range 19W, Dakota County, Minnesota, shown on Exhibit A, B, C, D, and E hereto and legally described as follows: (hereinafter "Parcels A, B, C, D, and E" or "the Parcels")

a) Restricted Access Area (Parcel A)

That part of the Southeast Quarter of the Northwest Quarter of Section 35, Township 115, Range 19, Dakota County, Minnesota, described as follows:

Commencing at the Southeast corner of said Southeast Quarter of Northwest Quarter; thence North 00 degrees 23 minutes 47 seconds East, assumed bearing along the east line of said Southeast Quarter of the Northwest Quarter, a distance of 567.51 feet; thence South 88 degrees 56 minutes 43 seconds West a distance of 52.00 feet to the actual point of beginning of the land to be described; thence continue South 88 degrees 56 minutes 43 seconds West a distance of 136.00 feet; thence North 04 degrees 17 minutes 43 seconds West a distance of 157.00 feet; thence South 89 degrees 49 minutes 58 seconds East a distance of 141.00 feet; thence South 02 degrees 30 minutes 39 seconds East a distance of 153.79 feet to the point of beginning, consisting of 0.4922 acres (hereinafter "Parcel A").

T. SENW  
35-115-19  
A.

b) Nonrestricted Access Area (Parcel B)

That part of the Southeast Quarter of the Northwest Quarter and the Southwest Quarter of the Northeast Quarter, Section 35, Township 115, Range 19, Dakota County, Minnesota, described as follows:

Commencing at the Southeast corner of said Southeast Quarter of the Northwest Quarter; thence North 00 degrees 23 minutes 47 seconds East, assumed bearing along the east line of said Southeast Quarter of the Northwest Quarter, a distance of 554.55 feet to the actual point of beginning of the land to be described; thence South 89 degrees 36 minutes 13 seconds East a distance of 9.58 feet; thence North 00 degrees 23 minutes 47 seconds East a distance of 7.50 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 205.00 feet; thence North 00 degrees 23 minutes 47 seconds East a distance of 325.00 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 8.68 feet; thence North 63 degrees 49 minutes 53 second East a distance of 32.22 feet; thence North 00 degrees 23 minutes 47 seconds East a distance of 35.59 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 25.00 feet; thence North 00 degrees 23 minutes 47 seconds East a distance of 60.00 feet; thence North 89 degrees 36 minutes 13 seconds West a distance of 100.00 feet; thence North 00 degrees 23 minutes 47 seconds East a distance of 50.00 feet; thence North 89 degrees 36 minutes 13 seconds West a distance of 210.00 feet; thence South 00 degrees 23 minutes 47 seconds West a distance of 36.50 feet; thence North 89 degrees 36 minutes 13 seconds West a distance of 150.00 feet; thence South 00 degrees 23 minutes 47 seconds West a distance of 166.80 feet; thence South 16 degrees 20 minutes 30 seconds West a distance of 91.00 feet; thence South 00 degrees 23 minutes 47 seconds West a distance of 193.20 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 132.50 feet; thence South 00 degrees 23 minutes 47 seconds West a distance of 35.00 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 40.00 feet; thence North 00 degrees 23 minutes 47 seconds East a distance of 35.00 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 20.00 feet; thence South 00 degrees 23 minutes 47 seconds West a distance of 7.50 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 15.42 feet to the point of beginning.

Excluding the restricted access area in a) above. Consisting of 4.0582 acres (hereinafter "Parcel B"). (Parcels A and B total 4.5504 acres.)

(A)  
ST. SENW 4  
PT. SWNE  
35-117-19

c) Nonrestricted Access Area (Parcel C)

That part of the Northeast Quarter of the Northeast Quarter of Section 35, Township 115, Range 19, Dakota County, Minnesota, described as follows:

Commencing at the Southeast corner of said Northeast Quarter of the Northeast Quarter; thence South 89 degrees 56 minutes 07 seconds West, assumed bearing along the south line of said Northeast Quarter of the Northeast Quarter, a distance of 568.55 feet; thence North 00 degrees 03 minutes 53 seconds West a distance of 45.00 feet to the actual point of beginning of the land to be described; thence continue North 00 degrees 03 minutes 53 seconds West a distance of 226.30 feet; thence North 18 degrees 31 minutes 08 seconds East a distance of 82.94 feet; thence North 00 degrees 03 minutes 53 seconds West a distance of 18.42 feet; thence North 89 degrees 56 minutes 07 seconds East a distance of 100.000 feet; thence North 00 degrees 03 minutes 53 seconds West a distance of 50.00 feet; thence South 89 degrees 56 minutes 07 seconds West a distance of 220.00 feet; thence South 00 degrees 03 minutes 53 seconds East a distance of 70.85 feet; thence South 89 degrees 59 minutes 05 seconds East a distance of 42.64 feet; thence South 00 degrees 02 minutes 46 seconds West a distance of 120.25 feet; thence North 89 degrees 59 minutes 05 seconds West a distance of 128.84 feet; thence South 00 degrees 03 minutes 53 seconds East a distance of 32.36 feet; thence South 89 degrees 56 minutes 07 seconds West a distance of 110.00 feet; thence South 00 degrees 03 minutes 53 seconds East a distance of 60.00 feet; thence South 89 degrees 56 minutes 07 seconds West a distance of 60.00 feet; thence South 00 degrees 03 minutes 53 seconds East a distance of 70.00 feet; thence North 89 degrees 56 minutes 07 seconds East a distance of 170.00 feet; thence South 00 degrees 03 minutes 53 seconds East a distance of 20.00 feet; thence North 89 degrees 56 minutes 07 seconds East a distance of 180.00 feet to the point of beginning, consisting of 1.6511 acres (hereinafter "Parcel C").

*Handwritten note:* Parcel C

d) Nonrestricted Access Area (Parcel D)

That part of the Southwest Quarter of Section 35, Township 115, Range 19, Dakota County, Minnesota, described as follows:

Commencing at the Southwest corner of said Southwest Quarter of the Southwest Quarter, thence North 00 degrees 19 minutes 47 seconds East, assumed bearing along the west line of said Southwest Quarter of the Southwest Quarter a distance of 631.00 feet to the actual point of beginning of the land to be described; thence South 89 degrees 40 minutes 13 seconds East a distance of 126.50 feet; thence North 00 degrees 19 minutes 47 seconds East a distance of 72.00 feet; thence North 89 degrees 40 minutes 13 seconds West a distance of 126.50 feet to the west line of said Southwest Quarter to the Southwest Quarter, thence South 00 degrees 19 minutes 47 seconds West along said west line a distance of 72.00 feet to the point of beginning, consisting of 0.2091 acres (hereinafter "Parcel D").

e) Nonrestricted Access Area (Parcel E)

That part of the Southeast Quarter of the Northwest Quarter and the Southwest Quarter of the Northeast Quarter, Section 35, Township 115, Range 19, Dakota County, Minnesota, described as follows:

Commencing at the Southeast corner of said Southeast Quarter of the Northwest Quarter, thence North 00 degrees 23 minutes 47 seconds East, assumed bearing along the east line of said Southeast Quarter of the Northwest Quarter, a distance of 210.00 feet to the actual point of beginning of the land described; thence South 89 degrees 36 minutes 13 seconds East a distance of 40.00 feet; thence North 00 degrees 23 minutes 47 seconds East a distance of 260.00 feet; thence North 89 degrees 36 minutes 13 seconds West a distance of 40.00 feet to the east line of said Southeast Quarter of the Northwest Quarter; thence continuing North 89 degrees 36 minutes 13 seconds West a distance of 428.00 feet; thence South 00 degrees 23 minutes 47 seconds West a distance of 40.00 feet; thence North 89 degrees 36 minutes 13 seconds West a distance of 32.00 feet; thence South 00 degrees 23 minutes 47 seconds West a distance of 220.00 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 460.00 feet to the point of beginning, consisting of 2.96 acres.

2. Use Restrictions

Subject to the terms and conditions of this Declaration and the reservation and covenants contained herein, the University of Minnesota hereby declares and imposes the following restrictions ("Restrictions") on the Parcels depicted and identified on the General Site

Plans attached hereto as Exhibits A, B, C, D, and E and made a part of by reference, as follows:

**a) Nonrestricted Access Areas: Parcels B and C**

Parcels B and C, where cleaned soils contain up to 10 ppm polychlorinated biphenyls (PCB's) by weight have the following use restrictions:

(i) A soil cap of a minimum of 10 inches shall be maintained in all outdoor exposure areas with soil containing less than 1 ppm PCB's.

(ii) Use of Parcels B and C shall be limited to commercial and industrial use. The following uses of Parcels B and C are not allowed: day care centers; any form of primary or secondary educational facility; churches; social centers; hospitals; elder care facilities; nursing homes; recreational; and single family or multiple family dwellings.

(iii) Soil testing in area of Parcels B and C indicates that soils meet the MPCA soil cleanup standards for the commercial and industrial uses allowed under this Declaration. However, this soil is not acceptable as clean fill off-site. Therefore, soil excavated from Parcels B and C shall not be removed from Parcels B and C unless such removal is in accordance with a Contingency Plan to be approved by the MPCA Commissioner at the same time such removal and disposal is proposed.

**b) Nonrestricted Access Area: Parcel D**

Parcel D, where a waste disposal/burn pit for disposal and burning of liquid laboratory wastes resulted in infiltration of volatile organic compounds (VOCs) into groundwater, was remediated and contains landfilled waste. Parcel D shall have the following use restriction:

i) A soil cap shall be maintained in all outdoor exposure areas to minimize direct contact and reduce infiltration.

**c) Nonrestricted Access Area: Parcel E**

Parcel E, where soil and concrete contain up to 3.5 ppm PCB's by weight has the following use restrictions:

i) Use of Parcel E shall be limited to commercial and industrial use. The following uses of Parcel E are not allowed: day care centers; any form of primary or secondary educational facility; churches; social centers; hospitals; elder care facilities; nursing homes; recreational; and single family or multiple family dwellings.

ii) Soil testing in the area of Parcel E indicates that soils meet the MPCA soil cleanup standards for the commercial and industrial uses allowed under this Declaration. However, this soil is not acceptable as clean fill off-site. Therefore, soil excavated from Parcel E shall not be removed from Parcel E unless such removal is in accordance with a Contingency Plan to be approved by the MPCA Commissioner at the same time such removal and disposal is proposed.

d) Restricted Access Area: Parcel A

Parcel A, where soils, concrete, and debris contain up to 25 ppm PCB's by weight, have the following use restrictions:

i) Restricted access is required for Parcel A, by using at a minimum a six foot chain link fence, which is the method existing on the date of execution of this Declaration. Other methods of restriction may be used provided that such methods allow only authorized personnel to gain access.

ii) A 10 inch soil cap shall be maintained to prevent wind and water erosion from the site. The cap also may be replaced with some other form of impervious cap (such as an asphalt cap) so as to provide erosion protection.

e) Disturbance or alteration of any nature shall not occur on, above, or beneath Parcels A and D without the prior written approval of the Commissioner of the MPCA or his/her successor (the "Commissioner"). The Commissioner's approval may include conditions which the Commissioner deems reasonable and necessary to protect public health or the environment, and shall not be unreasonably withheld. Any disturbances or alteration of Parcels B, C, or E shall be consistent with commercial or industrial uses to which those parcels are restricted. If any disturbances or alterations of parcels B, C, or E results in discovery of any contamination that exceeds 10 ppm PCBs, the owner shall immediately notify the Commissioner and shall follow the procedures set forth in section 7(d) of this Declaration.



Within 60 days after receipt of a written request for approval to engage in any activities subject to the Use Restrictions, the Commissioner shall respond, in writing, by approving such request, disapproving such request, or requiring that additional information be provided. A lack of response by the Commissioner shall not be considered as approval by default or as conveying ability to proceed with the proposed activity. The Commissioner shall not unreasonably withhold approval of the written request.

### 3. Covenants

The Restrictions set forth in Section 2 and the covenants herein shall run with the land and be binding upon the University and its successors and assigns and on all parties who now and hereafter have or hold any right, title of interest in or to the Property. The University of Minnesota hereby covenants that the Property shall not be held, occupied, altered or used in violation of the Restrictions set forth in Section 2 of this Declaration.

### 4. Reservations

Nothing contained in this Declaration shall in any way prohibit, restrict, or limit the University of Minnesota, its successors or assigns, from fully conveying, transferring, occupying or using the Property for purposes consistent with the Restrictions.

### 5. Duration Amendment

This Declaration and the covenants, grants, and Restrictions herein shall continue until terminated, modified, released and/or amended with the written consent of the Commissioner or his/her successors, such consent not to be unreasonably withheld. Notwithstanding the foregoing, this Declaration and the covenants, grants, and Restrictions set forth herein may be terminated by the Commissioner, modified, released and/or amended upon the occurrence and satisfaction of the following conditions:

a) Soil, ground water and surface water sampling is conducted on Parcels A, B, C, D and/or E with prior written notice to and in accordance with a plan approved by the MPCA, such approval not to be unreasonably withheld; and

b) Based on such samples the Commissioner determines that the soil, ground water and surface water located within Parcels A, B, C, D and/or E no longer pose an unacceptable risk to public health and the environment that disturbance of such soil and/or groundwater and/or surface waters will not hinder the biodegradation of any remaining contamination; or

c) If the Commissioner finds that the conditions set forth in Section 2 of this Declaration are inadequate to achieve or maintain an acceptable risk as set forth in the Record of Decision, June 11, 1990, Explanation of Significant Difference, August 1991, and second Explanation of Significant Difference, October 1, 1993.

In the event of a termination, modification, release and/or amendment of this Declaration, the Commissioner, within 60 days after receipt of written request from the then-current owner of Parcels A, B, C, D and/or E, shall execute an instrument in recordable form, terminating, releasing, modifying and/or amending this Declaration.

6. Grant and Covenants to Commissioner: Right of Entry

Subject to the terms and conditions of this Declaration, the University of Minnesota grants and conveys to the MPCA, its agents, contractors and subcontractors and its successors such rights and interest in the Property necessary and convenient to enforce the Restrictions set forth in section 2 of this Declaration, including the right, upon reasonable advance notice to the then-current owner and at reasonable times and upon displaying proper credentials to enter from time to time upon the Property to verify compliance with the Restrictions. The MPCA will be liable for injury or loss of property or personal injury or death caused by an act of omission of any employee of the MPCA in the performance of such inspection activities under circumstances where the MPCA, if a private person, would be liable to the claimant, in accordance with and subject to the limitations provided in the State Tort Claims Act, Minnesota Statutes Section 3.736.

7. Emergency Procedures

The University of Minnesota covenants that the procedures set forth shall be followed when an emergency requires immediate excavation of contaminated soil on Parcels A and D to repair utility lines or other infrastructure, or to respond to other types of emergencies (e.g., fires, floods) that may result in an unacceptable risk of harm from exposure:

(a) notify the Commissioner within 24 hours of obtaining knowledge of such emergency conditions by contacting the State Duty Officer.

(b) limit disturbance of contaminated media to the minimum reasonably necessary to adequately respond to the emergency;

(c) undertake precautions to minimize exposure to workers and neighbors of the site to contaminated media (e.g., provide appropriate types of protective clothing for workers conducting the excavation, and establish procedures for minimizing the liberation of contaminated dust); and

(d) prepare and implement a plan to restore the site to a level of acceptable risk. Submit to the Commissioner a copy of such a plan for review and approval prior to implementation of a plan. Submit a follow-up report after the plan is implemented so that the Commissioner can determine whether a level of acceptable risk has been restored.

8. Disclosures

The restrictions set forth in Section 2 of this Declaration shall be incorporated in full or by reference into all instruments conveying an interest in and/or a right to use or occupy the property (e.g., easements, mortgages, leases).

9. Reporting

Any changes in address of the parties shall be promptly conveyed to the other party. If the Property is transferred, sold or conveyed to another person, the University shall inform the MPCA in writing of the name and address of the new owner.

Drafted by:

Oppenheimer, Wolff & Donnelly LLP  
Plaza VII, Suite 3300  
45 South Seventh Street  
Minneapolis, MN 55402

In Witness Whereof, this instrument has been executed on the day and year first above written.

Regents of the University of Minnesota

By *Terrence L. O'Connor*  
Terrence L. O'Connor

Its Interim Treasurer

State of Minnesota )

)SS.

County of Hennepin

The foregoing instrument was acknowledged before me this 5<sup>th</sup> day of November  
1999, by Terrence L. O'Connor, the Interim of the Regents of the University of  
Minnesota. O'Connor Treasurer

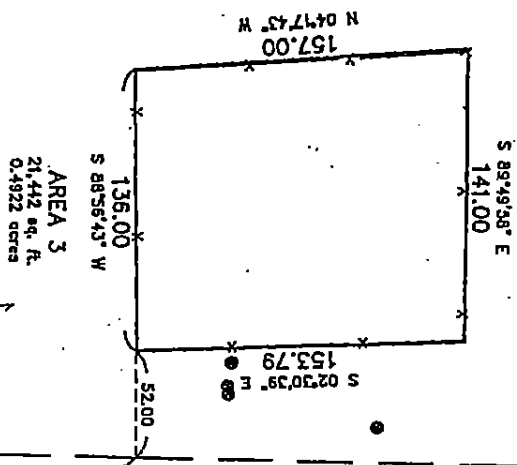


*Mary S. Selisker*  
Notary Public

# Sketch of Description

Exhibit A - Parcel A: GUE Deep Site (Restricted Access)

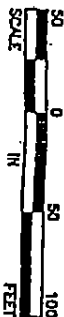
## UNIVERSITY OF MINNESOTA ROSEMOUNT EXPERIMENTAL STATION



AREA 3  
21,442 sq. ft.  
0.4922 acres

567.51  
N 00°23'47\"/>

EAST LINE OF THE NW 1/4



SE CORNER OF THE SE 1/4 OF THE NW 1/4  
SECTION 35, TWP 115, RANGE 19,  
DAKOTA COUNTY, MINNESOTA

**PROPOSED PROPERTY DESCRIPTION - AREA 3**

That part of the Southeast Quarter of the Northwest Quarter of Section 35, Township 115, Range 19, Dakota County, Minnesota, described as follows:

Commencing at the Southeast corner of said Southeast Quarter of Northwest Quarter; thence North 00 degrees 23 minutes 47 seconds East, assumed bearing along the east line of said Southeast Quarter of the Northwest Quarter, a distance of 567.51 feet; thence South 88 degrees 56 minutes 43 seconds West a distance of 52.00 feet to the actual point of beginning of the land to be described; thence continue South 88 degrees 56 minutes 43 seconds West a distance of 136.00 feet; thence North 04 degrees 17 minutes 43 seconds East a distance of 157.00 feet; thence South 89 degrees 49 minutes 58 seconds East a distance of 141.00 feet; thence South 02 degrees 30 minutes 39 seconds East a distance of 153.79 feet to the point of beginning.

I hereby certify that this survey, plan, or report was prepared by me or under my direct supervision and that I am a duly Registered Land Surveyor under the laws of the State of Minnesota.

Choifee R. Christopherson 18420 8/19/95  
Reg. No. Date

REMOVED 8/27/96 - ADDED AREA 3  
REMOVED 10/29/96 - REMOVE AREA 1,2

# Sketch of Description

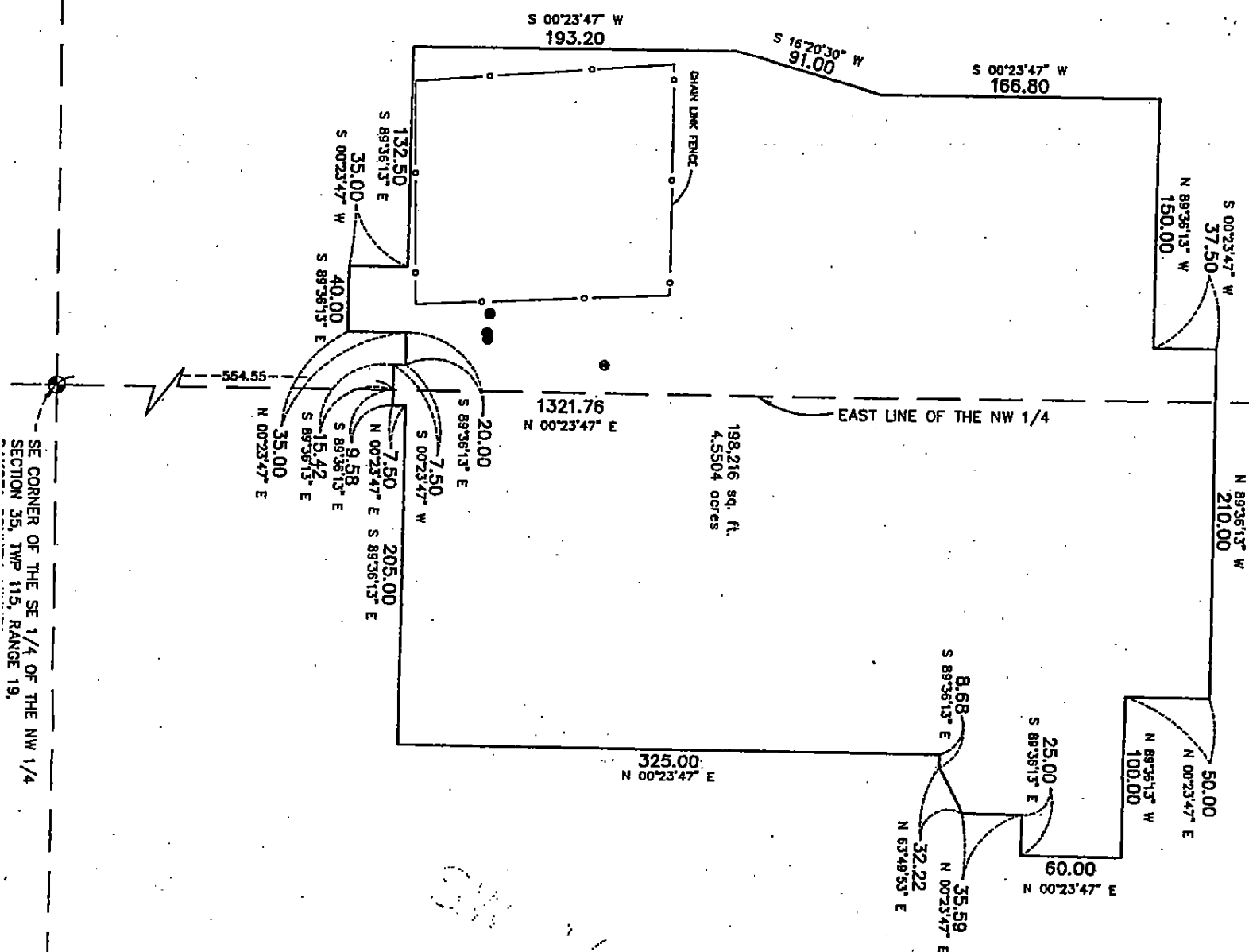
Exhibit B - Parcel B: GUE Shallow Site (Nonrestricted Access)

## UNIVERSITY OF MINNESOTA ROSEMOUNT EXPERIMENTAL STATION

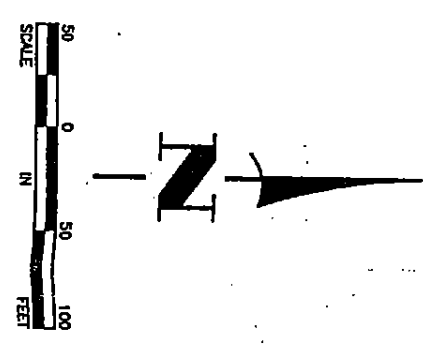
### PROPOSED PROPERTY DESCRIPTION

That part of the Southeast Quarter of the Northwest Quarter and the Southwest Quarter of the Northwest Quarter, Section 35, Township 115, Range 19, Dakota County, Minnesota, described as follows:

Commencing at the Southeast corner of said Southeast Quarter of the Northwest Quarter; thence North 00 degrees 23 minutes 47 seconds East, assumed bearing along the east line of said Southeast Quarter of the Northwest Quarter, a distance of 54.55 feet to the actual point of beginning of the land to be described; thence South 89 degrees 36 minutes 13 seconds East a distance of 9.58 feet; thence North 00 degrees 23 minutes 47 seconds East a distance of 7.50 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 325.00 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 32.22 feet; thence North 63 degrees 49 minutes 53 seconds East a distance of 35.59 feet; thence North 00 degrees 23 minutes 47 seconds East a distance of 25.00 feet; thence North 00 degrees 23 minutes 47 seconds East a distance of 60.00 feet; thence North 00 degrees 23 minutes 47 seconds East a distance of 100.00 feet; thence North 00 degrees 23 minutes 47 seconds East a distance of 50.00 feet; thence North 00 degrees 23 minutes 47 seconds East a distance of 210.00 feet; thence North 89 degrees 36 minutes 13 seconds West a distance of 36.50 feet; thence South 00 degrees 23 minutes 47 seconds West a distance of 150.00 feet; thence South 00 degrees 23 minutes 47 seconds West a distance of 166.80 feet; thence South 00 degrees 23 minutes 47 seconds West a distance of 193.20 feet; thence South 00 degrees 23 minutes 47 seconds West a distance of 193.20 feet; thence South 00 degrees 23 minutes 47 seconds West a distance of 132.50 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 132.50 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 40.00 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 35.00 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 15.42 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 7.50 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 20.00 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 15.42 feet to the point of beginning.



SE CORNER OF THE SE 1/4 OF THE NW 1/4 SECTION 35, TWP 115, RANGE 19.



I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly registered Land Surveyor under the laws of the State of Minnesota.

Charles R. Christopherson Reg. No. 18420 Date 4/10/00

**Hakanson Anderson Assoc., Inc.**

Registered Surveyors & Landscape Architects  
 4111 University Ave., Suite 200, Minneapolis, MN 55425  
 101 First St. N., Mendota, MN 55120  
 612-923-3888 FAX 612-923-4888

BOOK 319 PAGE 68-70

# Sketch of Description

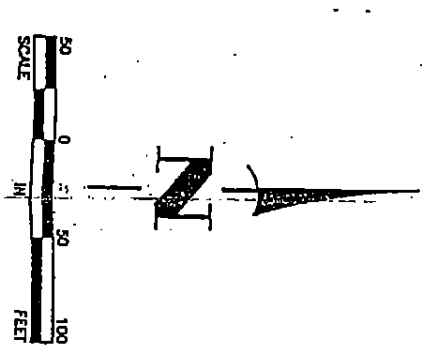
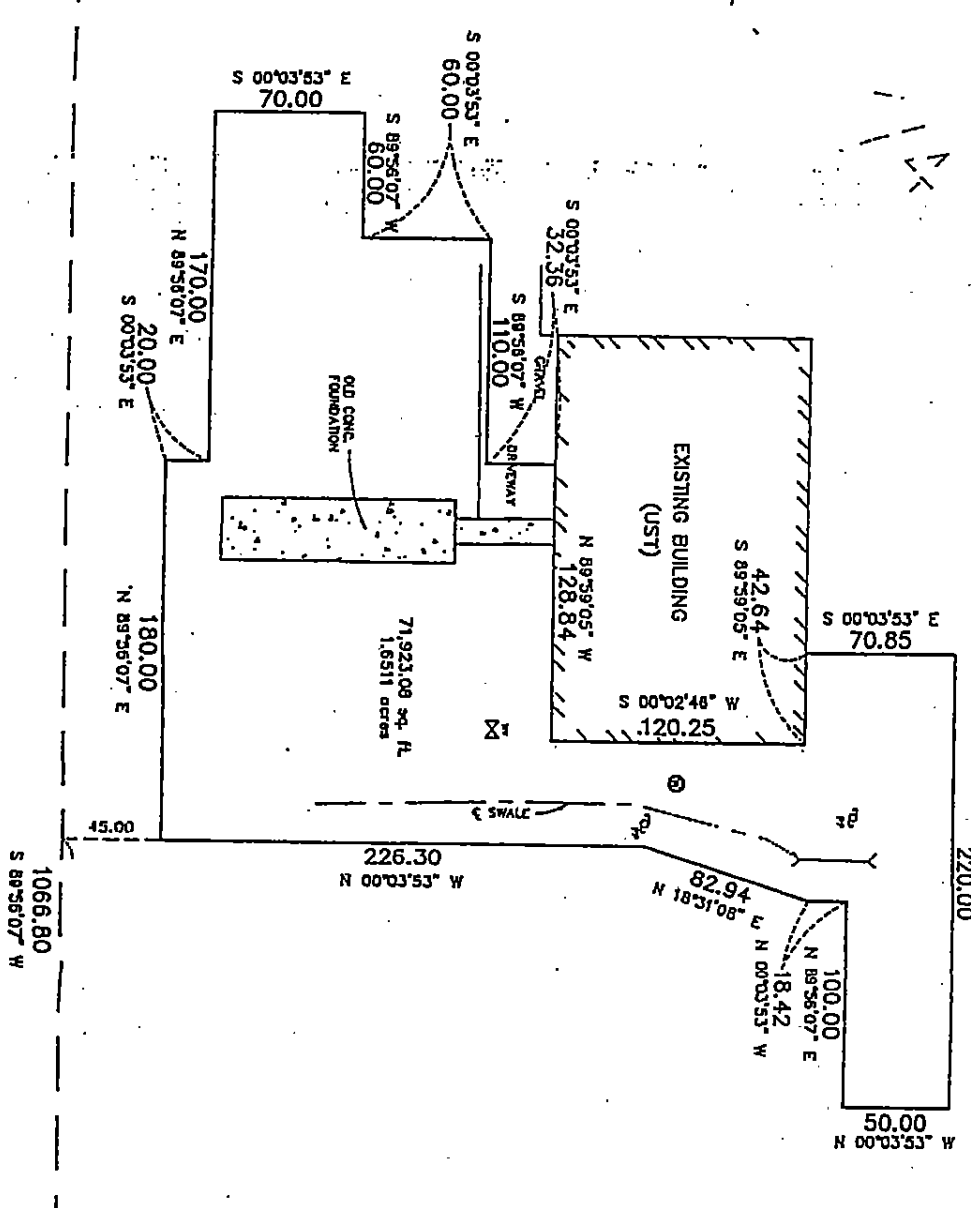
Exhibit C - Parcel C: US Transformer Site (Nonrestricted Access)

## UNIVERSITY OF MINNESOTA ROSEMOUNT EXPERIMENTAL STATION

### PROPOSED PROPERTY DESCRIPTION

That part of the Northeast Quarter of the Northeast Quarter of Section 35, Township 115, Range 19, Dakota County, Minnesota, described as follows:

Commencing at the Southeast corner of said Northeast Quarter of the Northeast Quarter thence South 89 degrees 56 minutes 07 seconds West, assumed bearing along the south line of said Northeast Quarter of the Northeast Quarter, a distance of 588.55 feet thence North 00 degrees 03 minutes 53 seconds West a distance of 45.00 feet to the actual point of beginning of the land to be described; thence continue North 00 degrees 03 minutes 53 seconds West a distance of 226.30 feet; thence North 00 degrees 03 minutes 53 seconds East a distance of 18.42 feet; thence North 00 degrees 03 minutes 53 seconds East a distance of 100.00 feet; thence North 00 degrees 03 minutes 53 seconds East a distance of 100.00 feet; thence North 00 degrees 03 minutes 53 seconds East a distance of 100.00 feet; thence North 00 degrees 03 minutes 53 seconds East a distance of 100.00 feet; thence North 00 degrees 03 minutes 53 seconds East a distance of 100.00 feet; thence North 00 degrees 03 minutes 53 seconds East a distance of 100.00 feet; thence North 00 degrees 03 minutes 53 seconds East a distance of 100.00 feet; thence North 00 degrees 03 minutes 53 seconds East a distance of 100.00 feet to the point of beginning.



SE CORNER OF THE NE 1/4 OF THE NE 1/4  
SECTION 35, TWP 115, RANGE 19,  
DAKOTA COUNTY, MINNESOTA

SOUTH LINE OF THE NE 1/4 OF THE NE 1/4

I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly Registered Land Surveyor under the laws of the State of Minnesota.

1A27A

**Hakanson  
Anderson  
Assoc., Inc.**

Engineers, Surveyors & Landscape Architects  
425 Hennepin Avenue, Suite 2000  
Minneapolis, MN 55401  
101 First St. N., Rosemount, Minnesota 55062  
612-256-5969 FAX 612-256-4188

BOOK 312 PAGE 88-70

# Sketch of Description

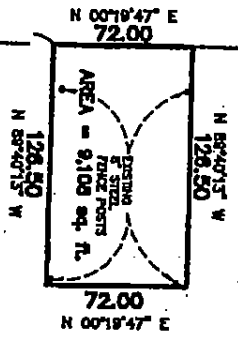
Exhibit D - Parcel D: Burn Pit Site (Nonrestricted Access)

## UNIVERSITY OF MINNESOTA ROSEMOUNT EXPERIMENTAL STATION

**PROPOSED PROPERTY DESCRIPTION**

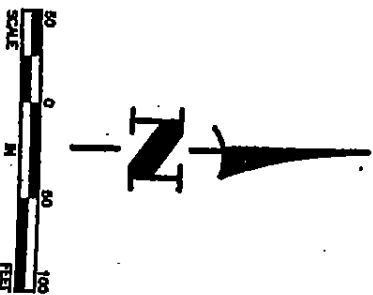
That part of the Southwest Quarter of the Southwest Quarter of Section 35, Township 11E, Range 16E, Dakota County, Minnesota, described as follows:

Commencing at the Southwest corner of said Southwest Quarter of the Southwest Quarter; thence North 00 degrees 19 minutes 47 seconds East, surveyed bearing along the west line of said Southwest Quarter of the Southwest Quarter a distance of 631.00 feet to the station 11; thence East a distance of 72.00 feet; thence South 00 degrees 19 minutes 47 seconds West a distance of 128.50 feet; thence North 00 degrees 40 minutes 47 seconds East a distance of 72.00 feet; thence North 00 degrees 40 minutes 13 seconds West a distance of 128.50 feet to the west line of said Southwest Quarter of the Southwest Quarter; thence South 00 degrees 19 minutes 47 seconds West along said west line a distance of 72.00 feet to the point of beginning.



N 00°19'47" E  
631.00  
WEST LINE OF THE SW 1/4 OF THE SW 1/4

SOUTHWEST CORNER OF THE SW 1/4 OF THE SW 1/4  
OF SECTION 35, T11E, R16E, 16E,  
DAKOTA COUNTY, MINNESOTA



I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly registered Land Surveyor under the laws of the State of Minnesota.

Charles R. Christopherson Reg. No. 18420 Date 10/21/88

**Helgeson  
Anderson  
Assoc., Inc.**  
Professional Surveyors & Landmark Preservation  
415-1st Street S.W. P.O. Box 100  
St. Paul, MN 55101-0100  
415-224-2000 FAX 415-224-4488  
BOOK 318 PAGE 88-70  
JOB No. 220A.05  
2200051.DWG



Exhibit E - Parcel E: Porter Electric and Machine Shop (Nonrestricted Access)

# SKETCH OF DESCRIPTION

~ FOR ~

## UNIVERSITY OF MINNESOTA REAL ESTATE OFFICE

~ OF ~

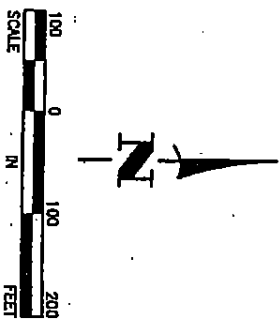
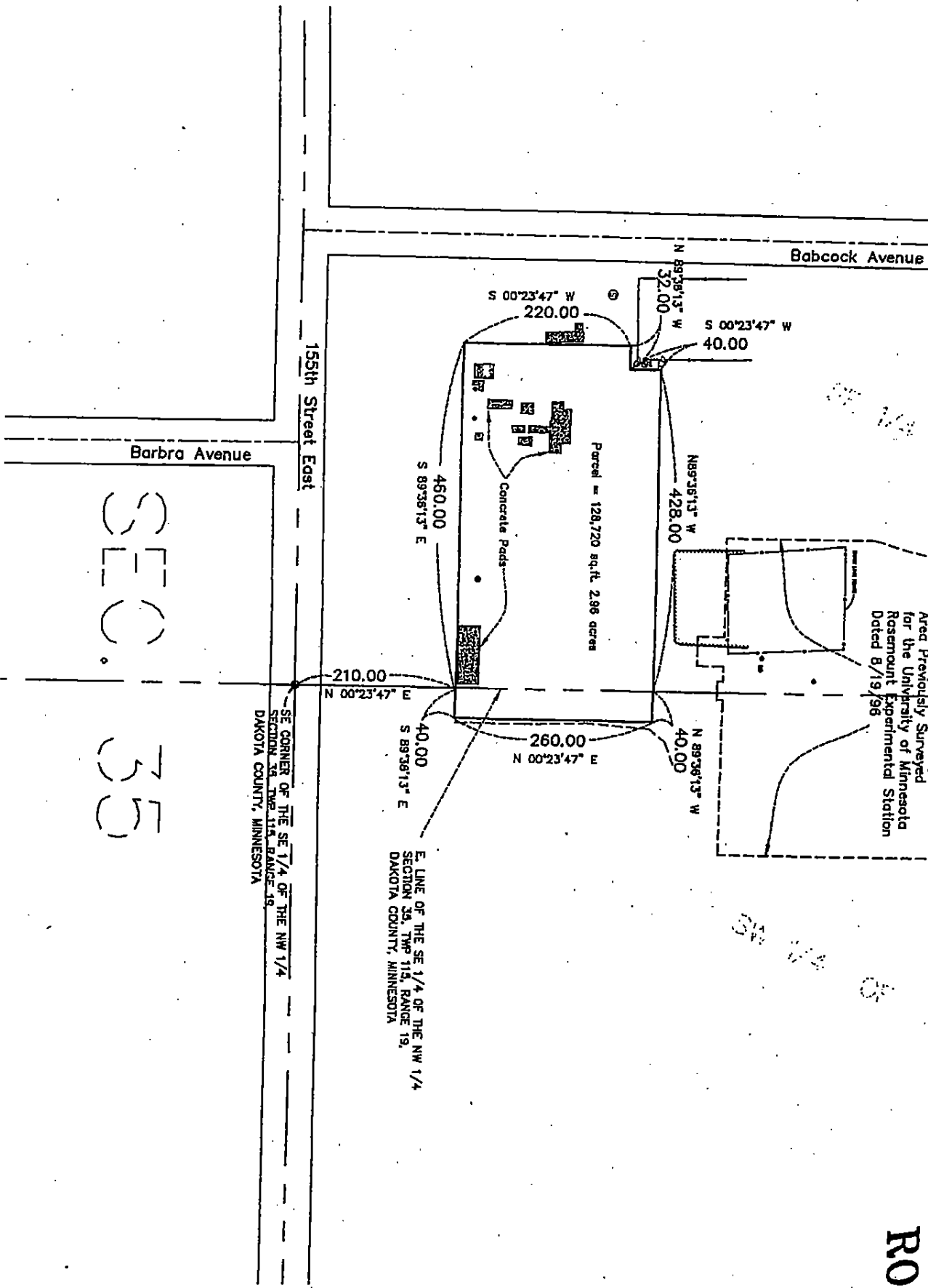
### ROSEMOUNT EXPERIMENTAL STATION

**Proposed Property Description**

That part of the Southeast Quarter of the Northwest Quarter and the Southwest Quarter of the Northeast Quarter, Section 35, Township 115, Range 19, Dakota County, Minnesota, described as follows:

Commencing at the Southeast corner of said Southeast Quarter of the Northwest Quarter, thence North 00 degrees 23 minutes 47 seconds East, easement bearing along the east line of said Southeast Quarter of the Northwest Quarter, a distance of 210.00 feet to the actual point of beginning of this land to be described; thence South 89 degrees 36 minutes 13 seconds East, a distance of 40.00 feet; thence North 00 degrees 23 minutes 47 seconds East, a distance of 280.00 feet; thence North 89 degrees 36 minutes 13 seconds West, a distance of 40.00 feet to the east line of said Southeast Quarter of the Northwest Quarter; thence South 00 degrees 23 minutes 47 seconds West, a distance of 40.00 feet; thence North 89 degrees 36 minutes 13 seconds West, a distance of 32.00 feet; thence South 00 degrees 23 minutes 47 seconds West, a distance of 220.00 feet; thence South 89 degrees 36 minutes 13 seconds East, a distance of 490.00 feet to the point of beginning.

NOTE:  
AREA = 128,720 sq.ft. 2.96 acres



SEC. 35

SE CORNER OF THE SE 1/4 OF THE NW 1/4 SECTION 35, TWP 115, RANGE 19, DAKOTA COUNTY, MINNESOTA

E LINE OF THE SE 1/4 OF THE NW 1/4 SECTION 35, TWP 115, RANGE 19, DAKOTA COUNTY, MINNESOTA

Area Previously Surveyed for the University of Minnesota Rosemount Experimental Station Dated 8/19/96

I hereby certify that this survey, plan or report was prepared by me under my direct supervision and that I am a duly Registered Land Surveyor under the laws of the State of Minnesota.

Charles R. Christopherson, MN License No. 18420

Date 10/21/98

DATE	REVISION	REVISION	SCALE	PROJECT	SHEET
3/09/00	Corrected Description	CRC	1" = 100'	ROSEMOUNT EXPERIMENTAL STATION	1
		SLD			OF
		CRC			1

**Hakanson Anderson Assoc., Inc.**  
Engineers, Surveyors & Landscape Architects  
1211 Tulman Avenue, Anoka, Minnesota 55303  
763-427-8800 FAX 763-427-0820  
112 7th St. N. Lauderdale, Minnesota 55128

SKETCH OF DESCRIPTION FOR UNIVERSITY OF MINNESOTA REAL ESTATE OFFICE OF ROSEMOUNT EXPERIMENTAL STATION



PT. SENW  
35-115-19  
A.

along the east line of said Southeast Quarter of the Northwest Quarter, a distance of 567.51 feet; thence South 88 degrees 56 minutes 43 seconds West a distance of 52.00 feet to the actual point of beginning of the land to be described; thence continue South 88 degrees 56 minutes 43 seconds West a distance of 136.00 feet; thence North 04 degrees 17 minutes 43 seconds West a distance of 157.00 feet; thence South 89 degrees 49 minutes 58 seconds East a distance of 141.00 feet; thence South 02 degrees 30 minutes 39 seconds East a distance of 153.79 feet to the point of beginning, consisting of 0.4922 acres.

b) Parcel B: Georges Used Equipment (GUE) Shallow Site (Exhibit B - Nonrestricted Access)

That part of the Southeast Quarter of the Northwest Quarter and the Southwest Quarter of the Northeast Quarter, Section 35, Township 115, Range 19, Dakota County, Minnesota, described as follows:

PT. SENW &  
PT. SWNE  
35-115-19  
A.

Commencing at the Southeast corner of said Southeast Quarter of the Northwest Quarter; thence North 00 degrees 23 minutes 47 seconds East, assumed bearing along the east line of said Southeast Quarter of the Northwest Quarter, a distance of 554.55 feet to the actual point of beginning of the land to be described; thence South 89 degrees 36 minutes 13 seconds East a distance of 9.58 feet; thence North 00 degrees 23 minutes 47 seconds East a distance of 7.50 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 205.00 feet; thence North 00 degrees 23 minutes 47 seconds East a distance of 325.00 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 8.68 feet; thence North 63 degrees 49 minutes 53 second East a distance of 32.22 feet; thence North 00 degrees 23 minutes 47 seconds East a distance of 35.59 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 25.00 feet; thence North 00 degrees 23 minutes 47 seconds East a distance of 60.00 feet; thence North 89 degrees 36 minutes 13 seconds West a distance of 100.00 feet; thence North 00 degrees 23 minutes 47 seconds East a distance of 50.00 feet; thence North 89 degrees 36 minutes 13 seconds West a distance of 210.00 feet; thence South 00 degrees 23 minutes 47 seconds West a distance of 36.50 feet; thence North 89 degrees 36 minutes 13 seconds West a distance of 150.00 feet; thence South 00 degrees 23 minutes 47 seconds West a distance of 166.80 feet; thence South 16 degrees 20 minutes 30 seconds West a distance of 91.00 feet; thence South 00 degrees 23 minutes 47 seconds West a distance of 193.20 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 132.50 feet; thence South 00 degrees 23 minutes 47 seconds West a distance of 35.00 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 40.00 feet; thence North 00 degrees 23 minutes 47 seconds East a distance of 35.00 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 20.00 feet; thence South 00 degrees 23 minutes 47 seconds West a distance of 7.50 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 15.42 feet to the point of beginning. Excluding the restricted areain a) above. Consisting of 4.5504 acres, which area includes area of .4922 acres for Parcel A (Exhibit A).

- c) Parcel C: US Transformer Site (UST) (Exhibit C - Nonrestricted Access)  
That part of the Northeast Quarter of the Northeast Quarter of Section 35, Township 115, Range 19, Dakota County, Minnesota, described as follows:

Commencing at the Southeast corner of said Northeast Quarter of the Northeast Quarter; thence South 89 degrees 56 minutes 07 seconds West, assumed bearing along the south line of said Northeast Quarter of the Northeast Quarter, a distance of 568.55 feet; thence North 00 degrees 03 minutes 53 seconds West a distance of 45.00 feet to the actual point of beginning of the land to be described; thence continue North 00 degrees 03 minutes 53 seconds West a distance of 226.30 feet; thence North 18 degrees 31 minutes 08 seconds East a distance of 82.94 feet; thence North 00 degrees 03 minutes 53 seconds West a distance of 18.42 feet; thence North 89 degrees 56 minutes 07 seconds East a distance of 100.000 feet; thence North 00 degrees 03 minutes 53 seconds West a distance of 50.00 feet; thence South 89 degrees 56 minutes 07 seconds West a distance of 220.00 feet; thence South 00 degrees 03 minutes 53 seconds East a distance of 70.85 feet; thence South 89 degrees 59 minutes 05 seconds East a distance of 42.64 feet; thence South 00 degrees 02 minutes 46 seconds West a distance of 120.25 feet; thence North 89 degrees 59 minutes 05 seconds West a distance of 128.84 feet; thence South 00 degrees 03 minutes 53 seconds East a distance of 32.36 feet; thence South 89 degrees 56 minutes 07 seconds West a distance of 110.00 feet; thence South 00 degrees 03 minutes 53 seconds East a distance of 60.00 feet; thence South 89 degrees 56 minutes 07 seconds West a distance of 60.00 feet; thence South 00 degrees 03 minutes 53 seconds East a distance of 70.00 feet; thence North 89 degrees 56 minutes 07 seconds East a distance of 170.00 feet; thence South 00 degrees 03 minutes 53 seconds East a distance of 20.00 feet; thence North 89 degrees 56 minutes 07 seconds East a distance of 180.00 feet to the point of beginning, consisting of 1.6511 acres.

- d) Parcel D: Groundwater Contamination From the Burn Pit Site ( Exhibit D - Nonrestricted Access)  
That part of the Southwest Quarter of Section 35, Township 115, Range 19, Dakota County, Minnesota, described as follows:

Commencing at the Southwest corner of said Southwest Quarter of the Southwest Quarter; thence North 00 degrees 19 minutes 47 seconds East, assumed bearing along the west line of said Southwest Quarter of the Southwest Quarter a distance of 631.00 feet to the actual point of beginning of the land to be described; thence South 89 degrees 40 minutes 13 seconds East a distance of 126.50 feet; thence North 00 degrees 19 minutes 47 seconds East a distance of 72.00 feet; thence North 89 degrees 40 minutes 13 seconds West a distance of 126.50 feet to the west line of said Southwest Quarter to the Southwest Quarter; thence South 00 degrees 19 minutes 47 seconds West along said west line a distance of 72.00 feet to the point of beginning, consisting of 0.2091 acres.

- e) Parcel E: Porter Electric and Machine (PE) Site (Exhibit E - Nonrestricted Access)

That part of the Southeast Quarter of the Northwest Quarter and the Southwest Quarter of the Northeast Quarter, Section 35, Township 115, Range 19, Dakota County, Minnesota, described as follows:

Commencing at the Southeast corner of said Southeast Quarter of the Northwest Quarter: thence North 00 degrees 23 minutes 47 seconds East, assumed bearing along the east line of said Southeast Quarter of the Northwest Quarter, a distance of 210.00 feet to the actual point of beginning of the land described; thence South 89 degrees 36 minutes 13 seconds East a distance of 40.00 feet; thence North 00 degrees 23 minutes 47 seconds East a distance of 260.00 feet; thence North 89 degrees 36 minutes 13 seconds West a distance of 40.00 feet to the east line of said South east Quarter of the Northwest Quarter; thence continuing North 89 degrees 36 minutes 13 seconds West a distance of 428.00 feet; thence South 00 degrees 23 minutes 47 seconds West a distance of 40.00 feet; thence North 89 degrees 36 minutes 13 seconds West a distance of 32.00 feet; thence South 00 degrees 23 minutes 47 seconds West a distance of 220.00 feet; thence South 89 degrees 36 minutes 13 seconds East a distance of 460.00 feet to the point of beginning, consisting of 2.96 acres.

### 3. Site Background

The Property (Parcels A, B, C, D and E) is located within the city limits of Rosemount in Dakota County, approximately 15 miles southeast of the Minneapolis/St. Paul metropolitan area and is used by some light manufacturing and service companies. All contamination is contained at the University RRC Site, ("Site") Section 35, Township 115N, Range 19W, Dakota County composed of several subsites identified hereinafter as Parcels A, B, C, D and E (and shown on Exhibits A, B, C, D, and E).

The University burned discarded laboratory chemicals in a Burn Pit or Parcel D (Exhibit D). The University contracted with tenants who disposed of lead, copper, and polychlorinated biphenyls (PCBs) in three industrial disposal sites on Parcels A, B, C, and E: the George's Used Equipment (GUE) Site (Exhibit A and B) the Porter Electric and Machine Company (PE) Site (Exhibit E), and the U.S. Transformer (UST) Site (Exhibit C).

4. The University and the Minnesota Pollution Control Agency (MPCA) signed a Response Action Agreement (Agreement) on May 30, 1985, under the Minnesota Environmental Response and Liability Act (MERLA) for the cleanup of the Site. In December 1987, the Site, and the surrounding area to which the Agreement applies, was placed on the National Priority List (NPL). Operable Units (OUs) were designated under NPL guidance for contaminated media and areas.

After reviewing the results of the Remedial Investigation/Feasibility Study (RI/FS), the MPCA completed a Record of Decision (ROD) on June 11, 1990. U.S. Environmental Protection Agency (EPA) concurred on the ROD on June 29, 1990. Two Explanations of Significant Differences were issued on August 1991 and October 1, 1993.

## 5. Results of Site Investigations

### a) Operable Unit 1 (OU1) - Groundwater Contamination From the Burn Pit Site (Parcel D).

The University operated a waste disposal/burn pit area, later known as the Burn Pit site, for the disposal and burning of liquid laboratory wastes during the late 1960s and early 1970s. The pit was filled with clean dirt and capped with clay and closed in 1980.

Volatile organic compounds (VOCs) that were not completely burned infiltrated into the ground water and contaminated the drinking water of some nearby Rosemount residents. In 1984, 16 residential wells to the northeast of the Burn Pit site were found to be contaminated with chloroform. The Chemical of Concern (COC) for OU1 was chloroform. Other chemicals from the Burn Pit site were found in the ground water, but were at lower levels that did not qualify as chemicals of concern.

The maximum concentration of chloroform found was 72 parts per billion (ppb). This concentration was found in a monitoring well one mile east of the Burn Pit site. The chloroform groundwater plume was found to extend approximately four miles to the east and northeast of the Burn Pit site.

### b) Operable Units 2 and 3 (OU2 & OU3)- GUE Shallow & Deep, UST and PE Sites (Parcels A, B, C, and E)

The GUE Site (Parcels A and B) was used as an electrical equipment storage and salvage facility as well as a general salvage facility between 1968 and 1985. The PE Site (Parcel E) was used for storage and reconditioning of used industrial electrical equipment. The UST Site (Parcel C) was used for dismantling and salvaging electrical transformers. The RI determined that soil and concrete on these three industrial disposal sites were contaminated by PCBs.

At Parcels A and B (Exhibits A and B), the GUE Site, surface soil PCB concentrations ranged from 1.7 to 42,000 parts per million (ppm). PCBs were generally found in the first nine feet of soil; PCBs were also found in a depression (GUE Deep) and trace amounts extended to a depth of 61 feet below the surface. The PCBs were identified as Aroclors 1260 and 1254. Soil lead concentrations ranged up to 40,000 ppm and soil copper concentrations up to 310,000 ppm. These metal contaminants were generally confined to surface soil. Lead and copper were not found in amounts to make these COCs at the UST and PE Sites for Parcels C and E (Exhibits C and E).

At Parcel E (Exhibit E), the PE Site, soil PCB concentrations ranged from 3.8 to 63,000 ppm. The PCBs were identified as Aroclors 1242, 1248, 1254, and 1260. PCBs were found to a depth of 74.5 feet below the surface, but generally were at concentrations below 10 ppm below 43 feet.

At Parcel C (Exhibit C), the UST Site, soil PCB concentrations were widespread but at low concentrations. The PCBs were identified as Aroclor 1260.

Lead and PCBs were not found to degrade the ground water under these three industrial sites.

## 6. Summary of Response Actions

### a) Operable Unit 1 - Groundwater Contamination From the Burn Pit (Parcel D)

On December 4, 1986, the MPCA staff completed a Minnesota Decision Document that approved the original OUI RA. The major components of the RA were:

The installation of new individual residential wells drilled into the Franconia Aquifer, a groundwater pump and treatment system with packed tower aeration, and discharge to an infiltration pond. The pump and treatment system was constructed in 1987; however, the residents rejected the individual wells in the Franconia Aquifer because of the potential problems with iron bacteria.

In 1988, based on new toxicological information, the health-based guideline for chloroform was raised from 1.9 ppb to 57 ppb. Since the concentration of chloroform in all residential wells was below 57 ppb, the drinking water well advisories issued to the Rosemount residents were made unnecessary. However, the University decided to proceed with its plan to provide the residents with an alternate, long-term water remedy - a community rural water supply.

The water supply consisted of two wells housed in separate pump houses drilled in the Jordan Sandstone Formation with distribution lines to the 27 residences whose wells had drinking water well advisories previously issued by the Minnesota Department of Health (MDH). The construction of the water supply began in 1989 and was completed in 1991. The June 11, 1990, Site ROD memorialized the selection of the final OUI remedial action (RA) to be the ground-water pump and treatment system. The RA also included the community rural water supply that the University had voluntarily decided to implement.

The MPCA staff approved the shutdown of the pump and treatment system on October 30, 1991. After the Site ROD was issued, the MPCA staff required continued groundwater monitoring of the Site. The 1995 groundwater monitoring results show that all wells sampled were below Health Risk Limits (HRLs) and Recommended Allowable Limits (RALs), and well MW-28 was the only well with a Cumulative Hazard Index (CHI) above 1.0. The location of this well is shown in Exhibit F; the well is down gradient of the Burn Pit. The chlorinated hydrocarbon COC's measured in this well totaled 28.9 ug/L, with the majority from Chloroform at 23 ug/L.

### b) Operable Unit 2 - GUE Lead & Copper (Parcels A and B)

During July and August 1990, the University disposed of soil contaminated with lead and copper from the GUE Site. The soil contaminated with lead and copper and less than 50 ppm PCBs was disposed of at the Adams Center Landfill in Ft. Wayne, Indiana, a Resource

Conservation and Recovery Act (RCRA)-permitted landfill. Soil contaminated with lead and copper and greater than 50 ppm PCBs was disposed of at the Chemical Waste Management, Inc., Landfill in Emelle, Alabama, a Toxic Substance Control Act (TSCA)/RCRA-permitted landfill. Approximately 4,384 tons of soil were removed and placed in these landfills.

In 1993, during the implementation of the remedy for OU3, the University identified and transported an additional 100 cubic yards of soil contaminated with lead in excess of 1,000 ppm (but less than 50 ppm PCBs) to the Adams Center Landfill.

During the consolidation of soil contaminated with between 10 and 25 ppm PCBs at the end of the OU3 RA, the University also placed lead-contaminated soil in GUE Deep. The release sampling results showed that the highest lead concentration found outside of GUE Deep was 669 ppm lead, with most release samples showing less than 100 ppm (see Figure 3-6 from the Interim Response Action Final Report).

c) Operable Unit 3 - GUE, UST and PE PCBs (Parcels A, B, C and E)

Implementation of the OU3 remedial action (RA) began in the summer of 1992 with the excavation of contaminated soil. Incineration of the contaminated soil, which began in March 1993, was completed in July 1993. On September 24, 1993, the MPCA and EPA staff conducted a preliminary site close-out report inspection. At this time the only remaining work at the Site involved installing a fence at the GUE Site and spreading topsoil, mulching and seed in the Site areas that were excavated and restored. A final close-out report inspection on September 30, 1994, found all construction activities were completed.

A total of approximately 7,000 cubic yards of soil was excavated and 12,100 tons were thermally treated. Large pieces of contaminated concrete were also excavated but due to low levels of contamination (10 to 25 ppm PCBs) EPA and MPCA allowed the pieces to be buried in GUE Deep.

In 1993 and 1994, after demobilization of the thermal destruction unit (TDU), an additional 350 cubic yards of soil and concrete between 10 and 25 ppm PCBs were consolidated at GUE Deep pursuant to the second Explanation of Significant Difference to the ROD. Also consolidated in GUE Deep were approximately 65 cubic yards of soil scrapings removed from operational areas that were contaminated with greater than 1 ppm and less than 25 ppm PCBs. Another 36 cubic yards of PCB contaminated soil in excess of 25 ppm PCBs discovered during release sampling was sent to the U.S. Pollution Control, Inc., Grassy Mountain Facility in Clive, Utah.

By the summer of 1994, areas excavated were backfilled, compacted, and graded. A 16-inch cover of soil material containing less than 2 ppm PCBs was placed over GUE Deep. The top six inches of this cover was topsoil with less than 1 ppm PCBs. The cover was vegetated and a fence designed to restrict access to GUE Deep was placed around its perimeter.

A 10-inch cover of soil containing less than 1 ppm PCBs was placed over all areas left with between 1 and 10 ppm PCBs in the GUE and UST Sites. Clean soil from the storage



berms was placed over the PE site and filled areas containing foundations from the TDU. No cap was needed for the PE site, since the Site met the PCB or background cleanup criteria. The top six inches of this cover was clean topsoil containing less than 1 ppm PCBs. This cover was also vegetated and is over areas with unrestricted use. Therefore all areas outside of GUE Deep are areas with unrestricted use.

At the conclusion of the TDU soil incineration, 25,000 gallons of TDU wastewater remained for on-site disposal. The wastewater met the disposal criteria of 15 ppb lead; 0.5 ppm PCBs; and no detectable dioxins or furans at detection of 1.0 nanograms/gram/congener. The MPCA staff granted a waiver to its disposal criterion of 250 ppm chlorides for the slightly elevated levels of 229 to 472 ppm chlorides. This water was disposed of on site at GUE.

## 7. Summary of Contaminants Left on Site

a) Parcel D (Exhibit D): Groundwater Contamination From the Burn Pit Solid wastes associated with laboratory wastes and ash from the burning of these wastes are left in place in the area delineated in Section 2d. The 1995 groundwater monitoring results show that all wells sampled were below Health Risk Limits (HRLs) and Recommended Allowable Limits (RALs), and well MW-28 was the only well with a Cumulative Hazard Index (CHI) above 1.0. The location of this well is shown in Exhibit F; the well is down gradient of the Burn Pit. The chlorinated hydrocarbon COC's measured in this well totaled 28.9 ug/L, the majority of which was Chloroform at 23 ug/L. Additional monitoring will determine if this level continues to drop off and go below the CHI.

b) Parcel A (Exhibit A): GUE Deep Contamination levels in soils from the final release samples shown in Exhibit G indicate that PCBs are not greater than 20 ppm and most are less than 10 ppm after excavation was completed. Backfilled materials into the deep part of the excavation primarily consist of TDU treated soil (less than 2 ppm PCBs) and removal of uncontaminated concrete for mobilization of the TDU process area, as shown in Exhibit H. The materials also include soils stockpiled during excavation. These soils contained less than 25 ppm PCBs and 1,000 ppm lead.

Other fill materials near the surface of this area include soil and concrete from the GUE and UST shallow excavations containing 10-25 ppm PCBs, activated carbon used for water treatment, scrapings from the TDU area clean-up (maximum of 25 ppm PCBs and 97 ppm lead) and soil containing 10-25 ppm PCB from additional excavations after demobilization of the TDU. A small amount of refractory was buried towards the north end of this area from the TDU kiln after decontamination.

This entire area is capped at the surface with a minimum of 10 inches of TDU treated soil and 6 inches of clean (less than 1 ppm PCBs) top soil from off-site and planted with grass. A fence surrounds the area.

c) Parcel B (Exhibit B): GUE Shallow Soil in this area was excavated to less than 10 ppm PCBs and 669 ppm lead, as shown in the release samples in Exhibits I, J and K. Most of the samples contained less than 50 ppm lead. The entire area was covered with a minimum of 10

inches of TDU treated soil (less than 2 ppm PCBs) and off-site top soil (less than 1 ppm PCBs) combined. A minimum of top soil sufficient for grass seeding was used and the thickness varies across this area, except for a concrete slab decontaminated with a high pressure wash. A few small areas required backfill from the additional excavation after TDU demobilization. These areas were filled with clean sand from off-site and covered with topsoil (shown in Exhibit J).

d) Parcel C (Exhibit C): UST Soil in this area were excavated to less than 10 ppm PCBs, as shown in the release samples in Exhibit L. The contaminated sewers, concrete slab and debris in the concrete pit were removed to also meet the 10 ppm PCB criterion for any remaining structures. Clean sand containing less than 1 ppm PCBs was backfilled into the excavated areas (including the concrete pit) and the filled areas were brought back to grade. Six inches of clean top soil was placed over the sand and seeded with grass.

e) Parcel E (Exhibit E): PE This parcel includes a deep area and shallow area for excavation. The release sample test results are shown in Exhibits M and N and are less than 1 ppm PCBs. All excavations were backfilled with TDU treated soil with less than 1 ppm PCBs.

The TDU processing also operated in this general area and the soil initially scraped from this area was used for berms to contain excavated soil during TDU operation. After scraping away contaminated soil from the berms and in the TDU process area, the remaining berm soil was spread over the bermed area and the backfilled areas which contains less than 2 ppm PCBs. Shown in Exhibits O and P are the sample locations and table of results respectfully for post clean-up and decontamination release testing. Concrete structures left at the TDU process area were all decontaminated. All power lines, gas lines and telephone lines were capped off. Water lines were left in place and shut off at the site valve box, and were not exposed to site contaminants.

8. Structures existing at the Sites include the following:

a) Parcel D (Exhibit D): Groundwater Contamination From the Burn Pit A cap was placed over the burn pit area and will be maintained to prevent additional infiltration. Monitoring wells will be abandoned except as outlined in the December 8, 1997 correspondence from Delta Environmental Consultants, Inc. to the Minnesota Pollution Control Agency. The wells identified to remain on the site include MW-28 for annual monitoring and MW-21D, MW-22, MW-23D, and MW-25 for a single sampling event early in the year 2002. By March 6, 2002, the University will submit a report that includes water level data with flow direction lines and equipotentials map, analytical result tables and additivity evaluations from this single sampling event.

b) Parcel A (Exhibit A): GUE Deep This restricted access area includes a chain link fence to prevent access and a permeable soil cap to be maintained as a direct contact barrier. This cap will be maintained unless an alternate barrier is provided.

c) Parcel B (Exhibit B): GUE Shallow A permeable soil cap is placed over this area to prevent direct contact to low level PCBs and lead. This cap will be maintained unless an alternate barrier is provided.

d) Parcel C (Exhibit C): UST A permeable soil cap is maintained over the soils with residual PCB contamination containing 1-10 ppm PCB's. This cap will be maintained unless an alternate barrier is provided. All wells near the site will be abandoned.

e) Parcel E (Exhibit E): PE No structures exist since this site was cleaned up to 2 ppm PCBs or background. One well (PW-1) at the site will be abandoned. This site is suitable for commercial and industrial use. Old foundations may be removed and are not contaminated.

9. Any person who is planning any use or activity which is inconsistent with the remedial action or which has the potential to disturb the areas of contamination or response action structures described above shall contact the Minnesota Pollution Control Agency prior to commencement of the planned activities.

Drafted by:

Oppenheimer, Wolff & Donnelly LLP  
Plaza VII, Suite 3300  
45 South Seventh Street  
Minneapolis, MN 55402

Regents of the University of Minnesota

By *Terrence L. O'Connor*  
Terrence L. O'Connor  
Title Interim Treasurer

The foregoing instrument was acknowledged before me this 5<sup>th</sup> day of November 1999, by Terrence L. O'Connor, the Interim Treasurer, of the Regents of the University of Minnesota.



*Mary S. Selinger*  
Notary Public

Accepted on behalf of

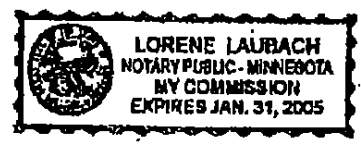
Minnesota Pollution Control Agency  
Pursuant to Minn. Stat. § 115B.17,  
Subd. 15

By *Karen A. Studders*  
Karen A. Studders  
Commissioner

State of Minnesota )  
                          )SS.  
County of Ramsey )

*fl* <sup>2000</sup> The foregoing instrument was acknowledged before me this 3<sup>rd</sup> day of January,  
1999, by Karen A. Studders, the Commissioner of Minnesota Pollution Control Agency, a  
Minnesota body politic, on behalf of the State of Minnesota.

*Lorene Laubach*  
Notary Public





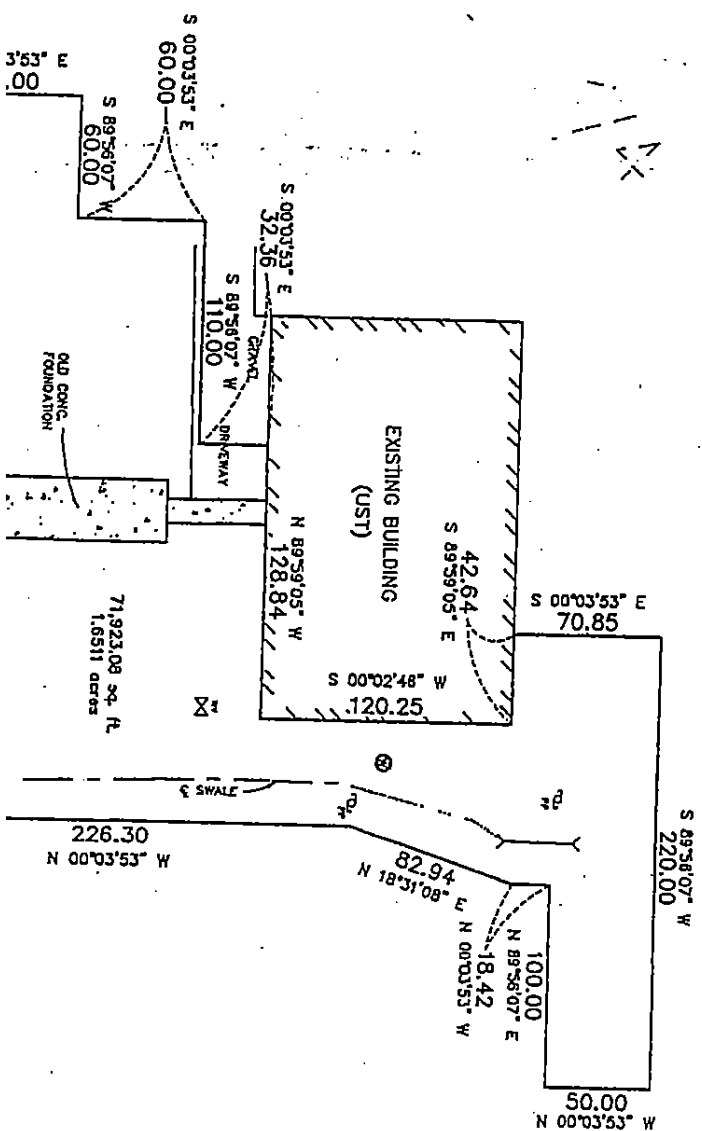


# Sketch of Description

Exhibit C - Parcel C: US Transformer Site (A)

## UNIVERSITY OF MINNESOTA ROSEMOUNT EXPERIMENTAL

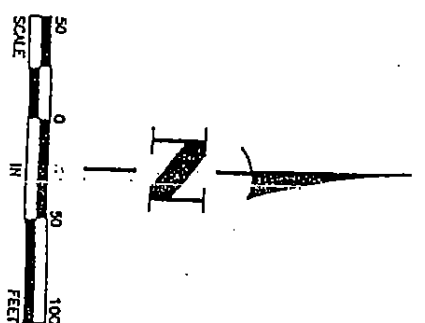
for ~



**PROPOSED PROPERTY DESCRIPTION**

That part of the Northeast Quarter of the Northeast Quarter of Sec 115, Range 19, Dakota County, Minnesota, described as follows:

Commencing at the Southeast corner of said Northeast Quarter of Quarter; thence South 89 degrees 56 minutes 07 seconds West, as being the south line of said Northeast Quarter of the Northeast Quarter 43.100 feet; thence North 00 degrees 03 minutes 53 seconds West, continue North 00 degrees 03 minutes 53 seconds West to the decar thence North 18 degrees 31 minutes 08 seconds East a distance of North 00 degrees 03 minutes 53 seconds East a distance of 12.42 89 degrees 56 minutes 07 seconds West a distance of 100.00 feet; then degrees 03 minutes 53 seconds East a distance of 50.00 feet; then degrees 03 minutes 53 seconds East a distance of 220.00 feet; then degrees 02 minutes 48 seconds East a distance of 70.85 feet; then degrees 59 minutes 05 seconds West a distance of 42.64 feet; then degrees 03 minutes 53 seconds East a distance of 120.25 feet; then degrees 58 minutes 07 seconds East a distance of 32.36 feet; then degrees 03 minutes 53 seconds West a distance of 110.00 feet; then degrees 56 minutes 07 seconds East a distance of 60.00 feet; then degrees 03 minutes 53 seconds East a distance of 70.00 feet; then degrees 03 minutes 53 seconds East a distance of 170.00 feet; then degrees 56 minutes 07 seconds East a distance of 180.00 feet to the beginning.

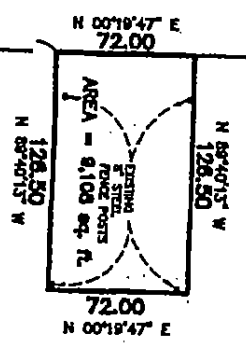




# Sketch of Description

Exhibit D - Parcel D: Burn Pit Site (Nonresidential)

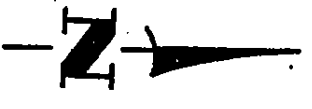
## UNIVERSITY OF MINNESOTA ROSEMOUNT EXPERIMENTAL STATION



N 00°19'47" E  
831.00

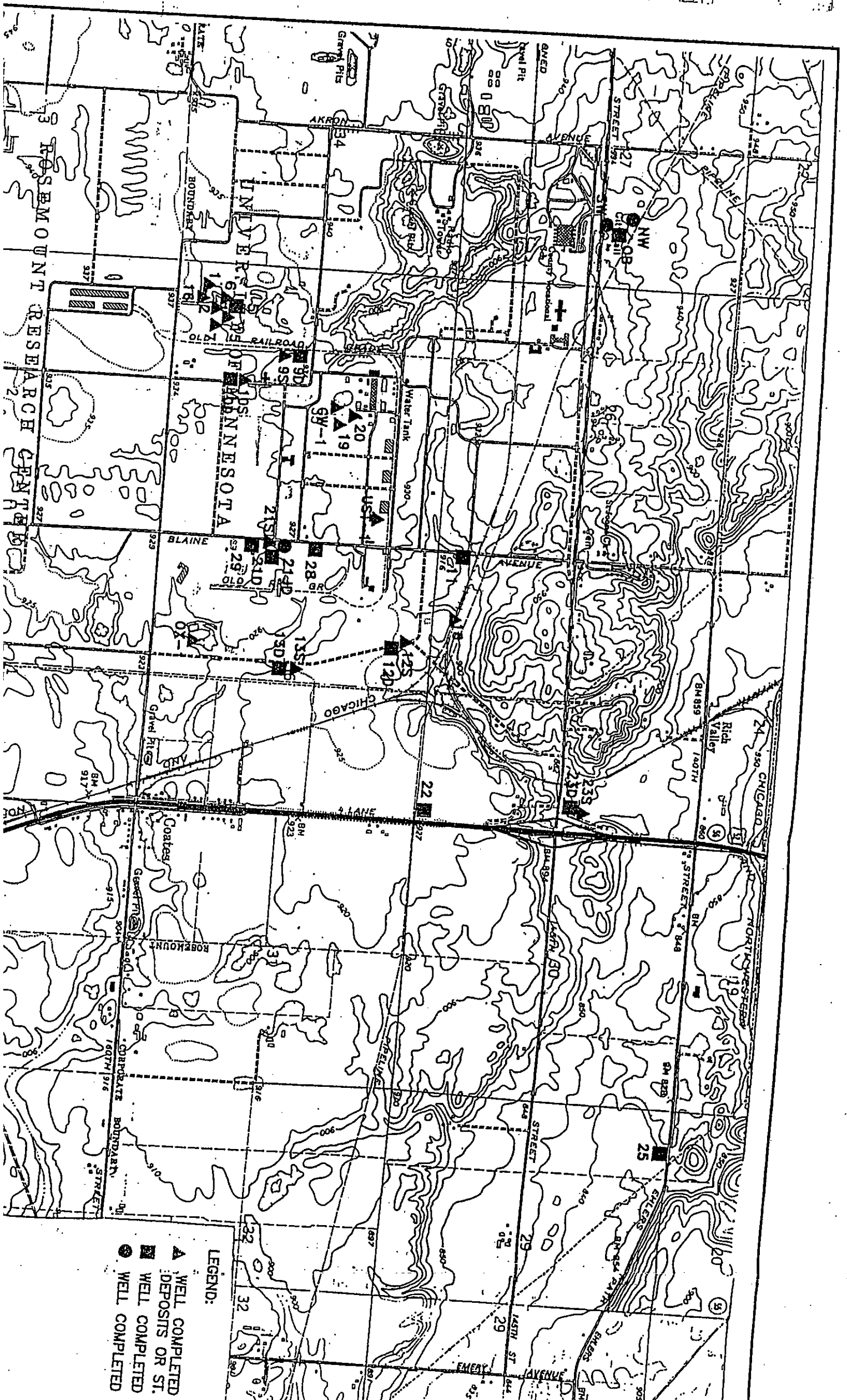
WEST LINE OF THE SW 1/4 OF THE SW 1/4

**PROPOSED PROPERTY DESCRIPTION**  
That part of the Southwest Quarter of the Southwest Quarter of Section 24, Township 11N, Range 19, Dakota County, Minnesota, described as follows:  
Commencing at the Southwest corner of said Southwest Quarter of the Southwest Quarter, thence North 00 degree 19 minutes 47 seconds East, assumed bearing along the west line of said Southwest Quarter of the Southwest Quarter a distance of 831.00 feet to the actual point of beginning of the land to be described; thence South 89 degree 40 minutes 15 seconds East a distance of 126.50 feet; thence North 00 degree 19 minutes 47 seconds East a distance of 72.00 feet; thence North 00 degree 40 minutes 15 seconds West a distance of 126.50 feet to the west line of said Southwest Quarter of the Southwest Quarter; thence South 00 degree 19 minutes 47 seconds West along said west line a distance of 72.00 feet to the point of beginning.



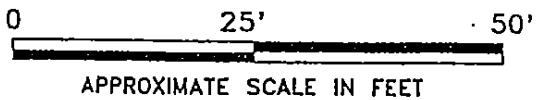
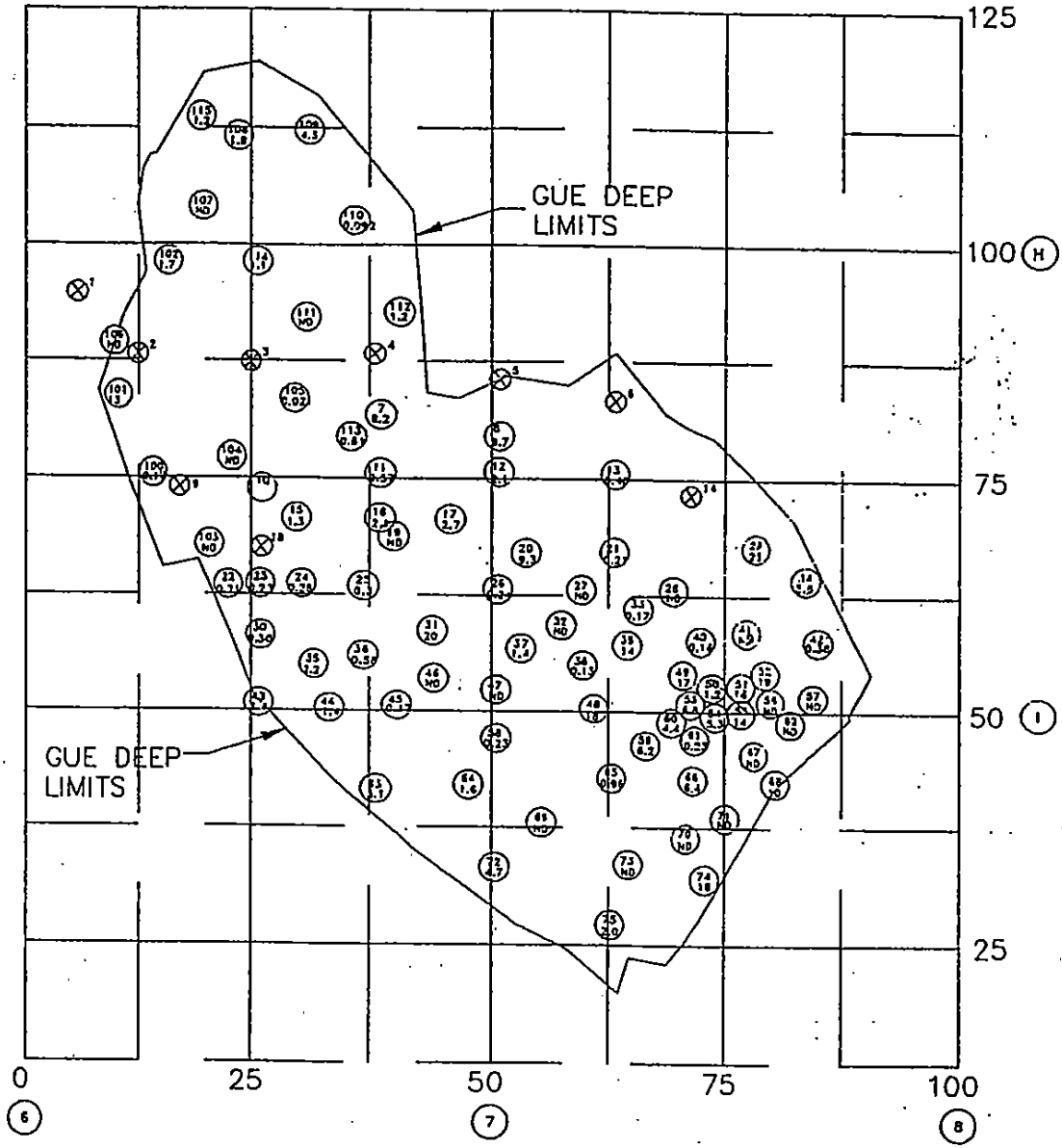
I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly Registered Land Surveyor under the laws of the State of Minnesota.  
*Charles R. Christopherson*  
Charles R. Christopherson      18420      10/21/98  
Rep. No.      Date





▲ WELL COMPLETED  
 ■ DEPOSITS OR ST.  
 ■ WELL COMPLETED  
 ● WELL COMPLETED

DRAWN BY: L. LAPITZ 8-93  
 CHECKED BY: WJA-1-7-94  
 APPROVED BY: JMN-1-7-94  
 DRAWING NUMBER: 302732-GUE-DEEP2



**LEGEND:**

- ⊙ (number) RELEASE SAMPLE POINT  
PCB CONCENTRATION, ppm
- ⊗ DOES NOT EXIST, REMOVED DURING  
PREVIOUS/SUBSEQUENT EXCAVATION
- NS NO SAMPLE
- ND NON-DETECT

**EXHIBIT G**  
**GUE DEEP RELEASE**  
**SAMPLE LOCATIONS/RESULTS**

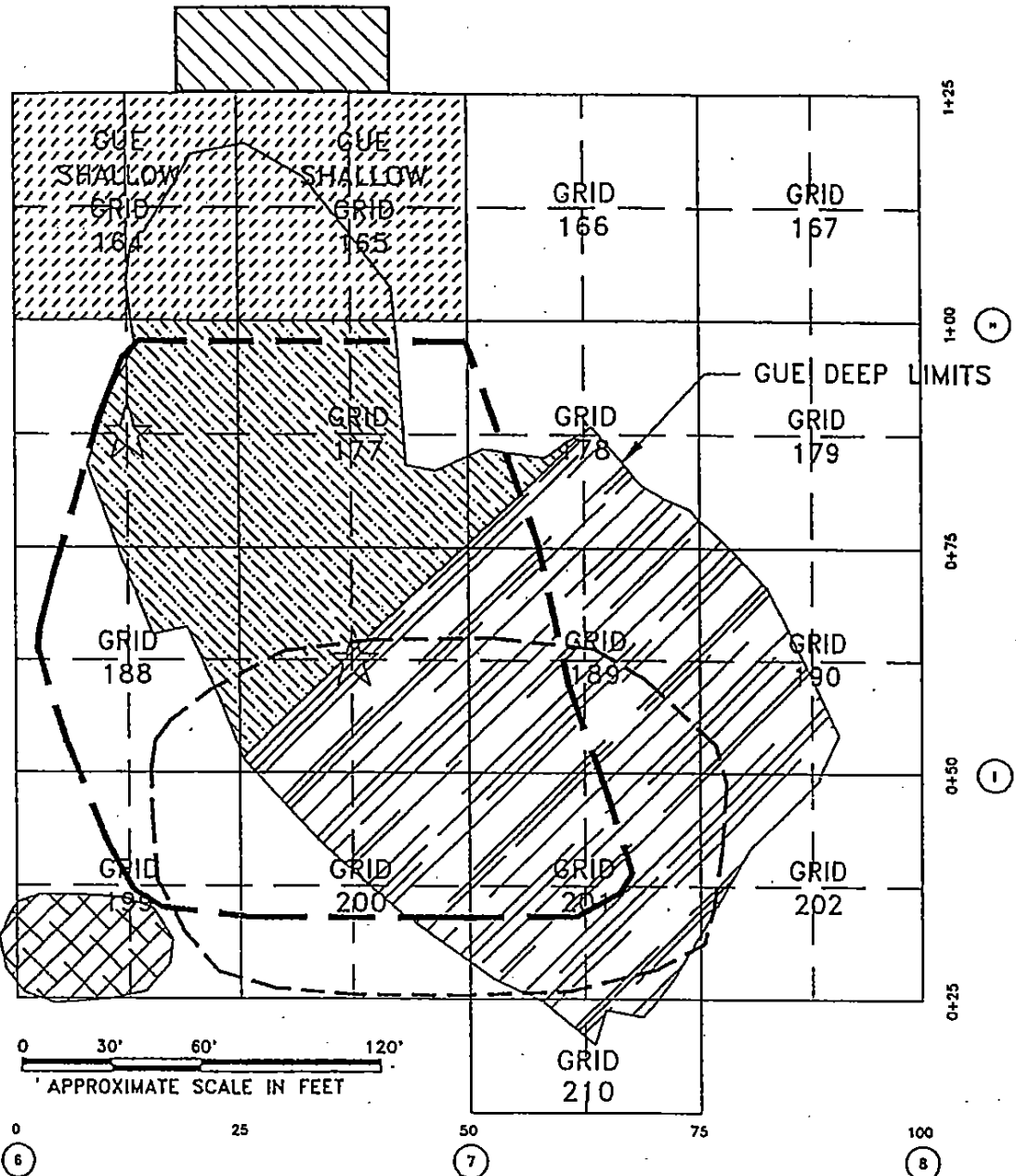
PREPARED FOR  
 UNIVERSITY OF MINNESOTA  
 ROSEMOUNT RESEARCH CENTER  
 PCB REMEDIATION SITE  
 PROJECT NO. 877-89-1131



SOURCE: ENVIROSCIENCE\GUE-DEEP.DWG AND IT DATA SUMMER 1993.

IT\SP\8-93\EESP\302732\GUEDEEP2.DWG

DRAWING 302732-GUEDEEP4  
 NUMBER 1-7-94  
 CHECKED BY WJA 1-7-94  
 APPROVED BY JJA 1-7-94  
 DRAWN BY L. LAPITZ 12-93



**LEGEND:**

- ☆ DEEP EXCAVATION AREA  
NO SHALLOW GRID  
NUMBER ASSIGNED
- PRIMARY FILL MATERIALS:**
- [Hatched pattern] TREATED SOIL AND  
CONCRETE FROM  
TDU MOBILIZATION
- [Diagonal hatched pattern] TREATED SOIL FROM  
TDU AND BENCHED SOILS

**FILL MATERIALS NEAR SURFACE:**

- [Hatched pattern] 10-25 ppm PCB SOIL  
AND CONCRETE FROM  
ORIGINAL EXCAVATIONS
- [Cross-hatched pattern] ACTIVATED CARBON
- [Dashed line] TDU AREA  
SOIL SCRAPINGS
- [White box] 10-25 ppm PCB SOIL  
FROM ADDITIONAL  
EXCAVATIONS
- [Diagonal hatched pattern] REFRACTORY

**EXHIBIT H**  
**GUE DEEP**  
**LOCATION OF**  
**BACKFILLED MATERIAL**

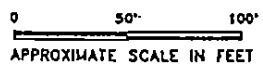
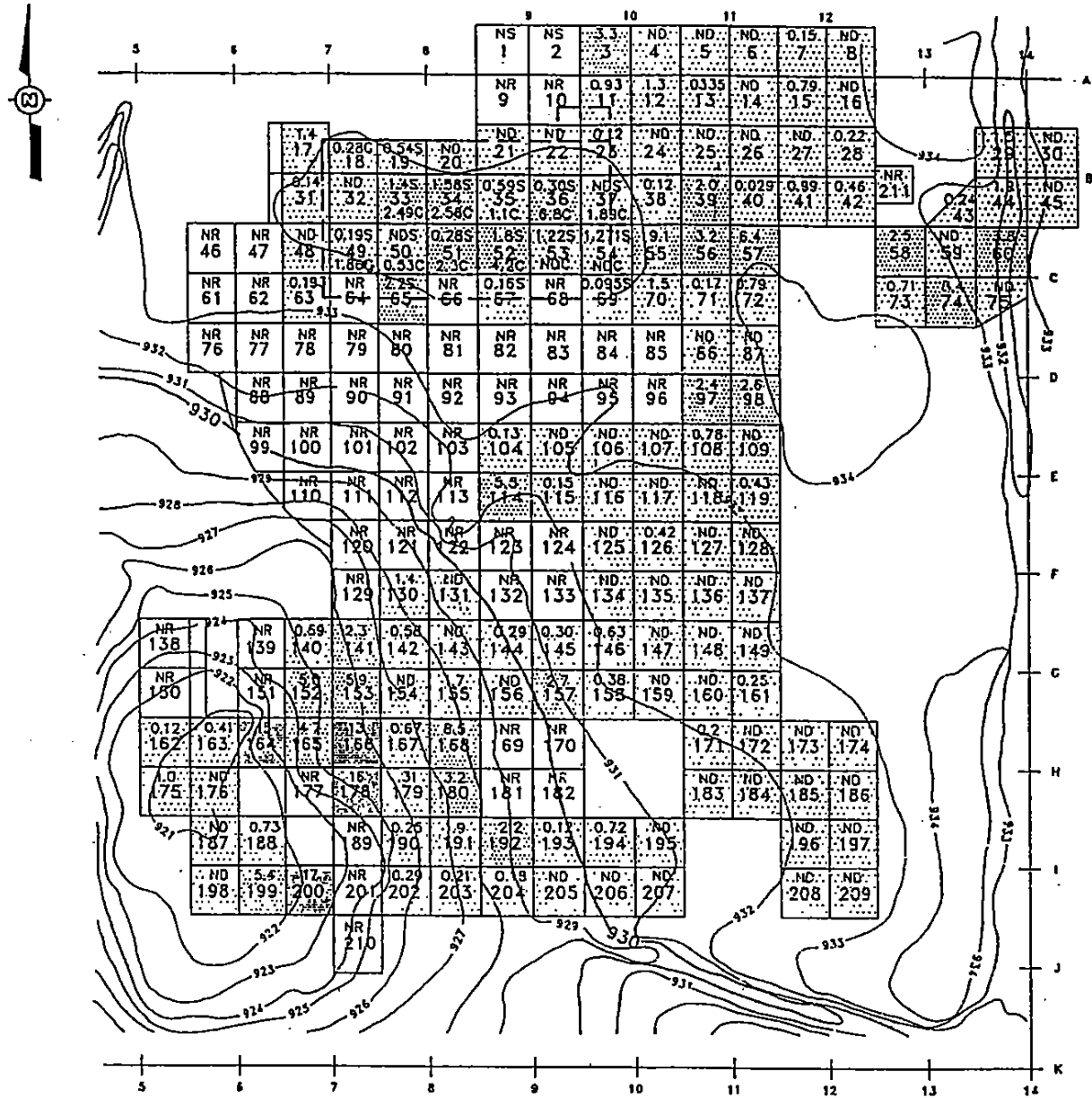
PREPARED FOR  
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 ROSEMOUNT RESEARCH CENTER  
 PCB REMEDIATION SITE  
 PROJECT NO. 877-89-1131



NOTE: A MINIMUM OF 10" OF TREATED SOIL  
 COVERS ALL CONSOLIDATED MATERIALS.  
 WILL INCLUDE 6" OF CLEAN TOPSOIL.

SOURCE: ENVIROSCIENCE\GUE-DEEP.DWG

DRAWING NUMBER 302732 GUES-P3  
 DRAWN BY WJA  
 CHECKED BY L. LAPITZ  
 APPROVED BY 10-93



**LEGEND:**

- 0.38  
30 PCB CONCENTRATION, ppm  
SAMPLING GRID NUMERIC SYSTEM
- S SOIL SAMPLE
- C CONCRETE
- ND NON-DETECT
- NR NOT REQUIRED
- NA NOT AVAILABLE
- CONCRETE PAD
- GROUND CONTOURS

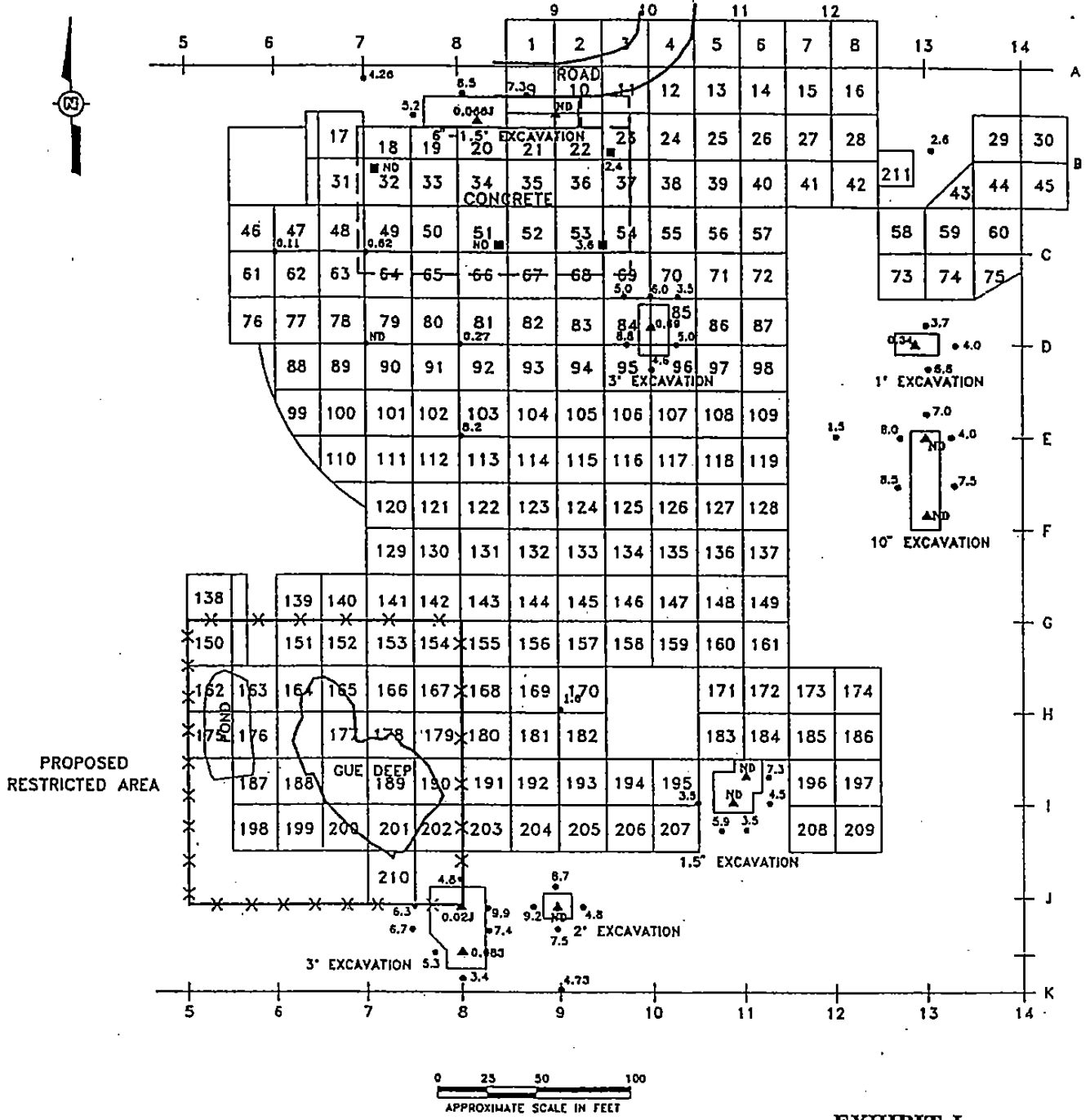
- PCB RESULTS, ppm
- [White box] < 2
  - [Dotted box] 2-10
  - [Cross-hatched box] 11-25

**EXHIBIT I**  
**GUE SHALLOW PCB RELEASE**  
**SAMPLE LOCATIONS/RESULTS**




PREPARED FOR  
 UNIVERSITY OF MINNESOTA  
 ROSEMOUNT RESEARCH CENTER  
 PCB REMEDIATION SITE  
 PROJECT NO. 877-89-1131



DRAWING NUMBER 302732-GUES-EX4  
 DRAWN BY WLA  
 CHECKED BY WLA  
 APPROVED BY WLA  
 DATE 1-7-94  
 12-93



**LEGEND:**

-  CONCRETE
-  25' GRID SQUARE
-  FENCE

- PCB RESULTS IN ppm:
- DEXSIL DATA
  - ▲ LAB DATA
  - WIPE SAMPLE
  - ND NON-DETECT

**EXHIBIT J**

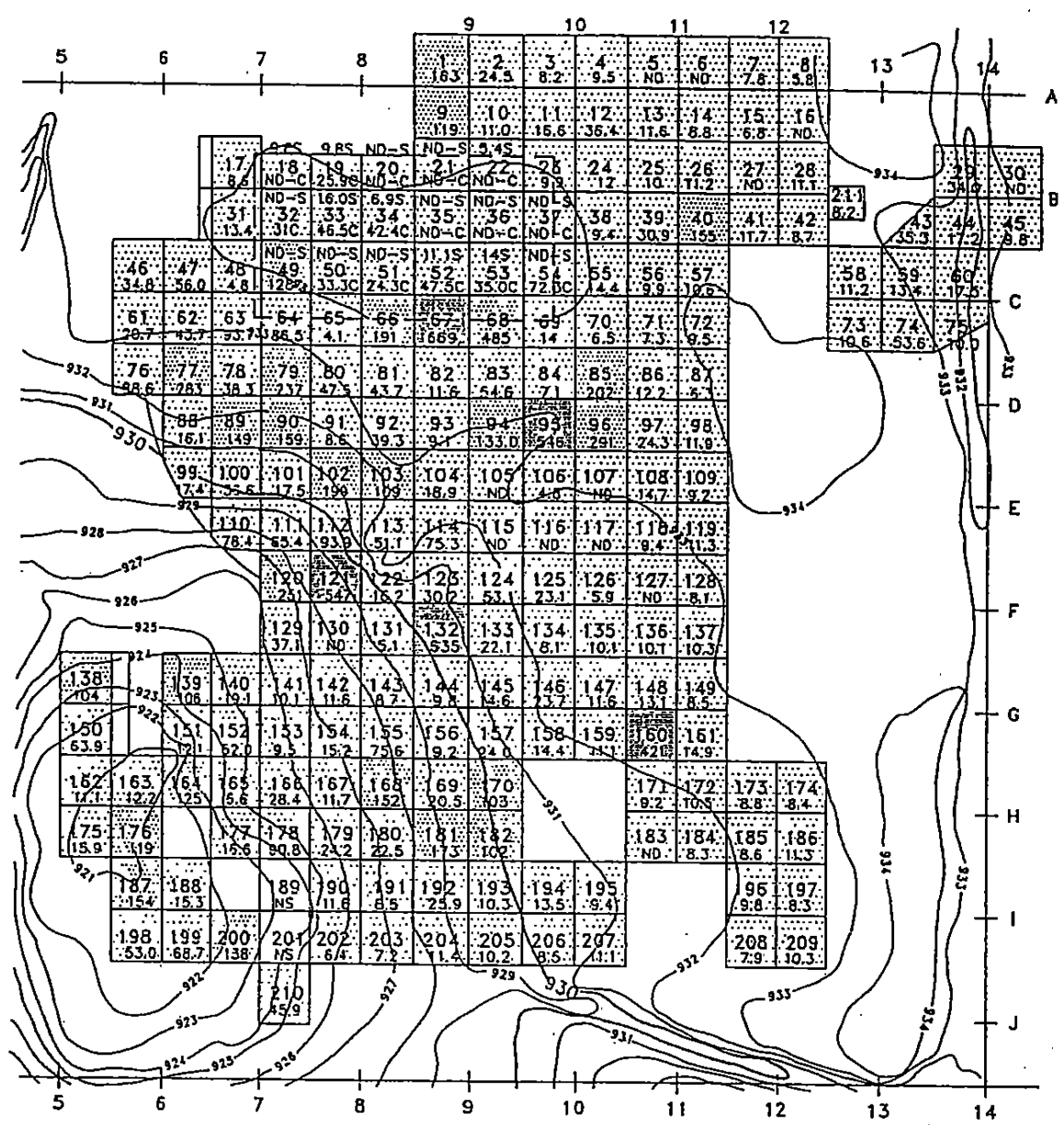
GUE SHALLOW PCB RELEASE  
 SAMPLE LOCATIONS/RESULTS  
 (ADDITIONAL EXCAVATIONS  
 NOVEMBER 1993)

PREPARED FOR  
 UNIVERSITY OF MINNESOTA  
 ROSEMOUNT RESEARCH CENTER  
 PCB REMEDIATION SITE  
 PROJECT NO. 877-89-1131



REFERENCE: ENVIROSCIENCE\GUE-DEEP.DWG AND IT DATA, 1993.

DRAWING NUMBER 302732-GUES-L2  
 CHECKED BY WJA  
 APPROVED BY GJA  
 DRAWN BY L. LAPITZ 9-93



**LEGEND:**



30 SAMPLING GRID NUMERIC SYSTEM  
 0.38 LEAD CONCENTRATION, ppm

- S SOIL SAMPLE
- C CONCRETE
- NO NON-DETECT
- NR NOT REQUIRED
- NA NOT AVAILABLE

- LEAD RESULTS, ppm
- < 100
  - 101-500
  - 501-1000

- GROUND CONTOURS
- CONCRETE PAD

**EXHIBIT K**

**GUE SHALLOW LEAD RELEASE  
SAMPLE LOCATIONS/RESULTS**

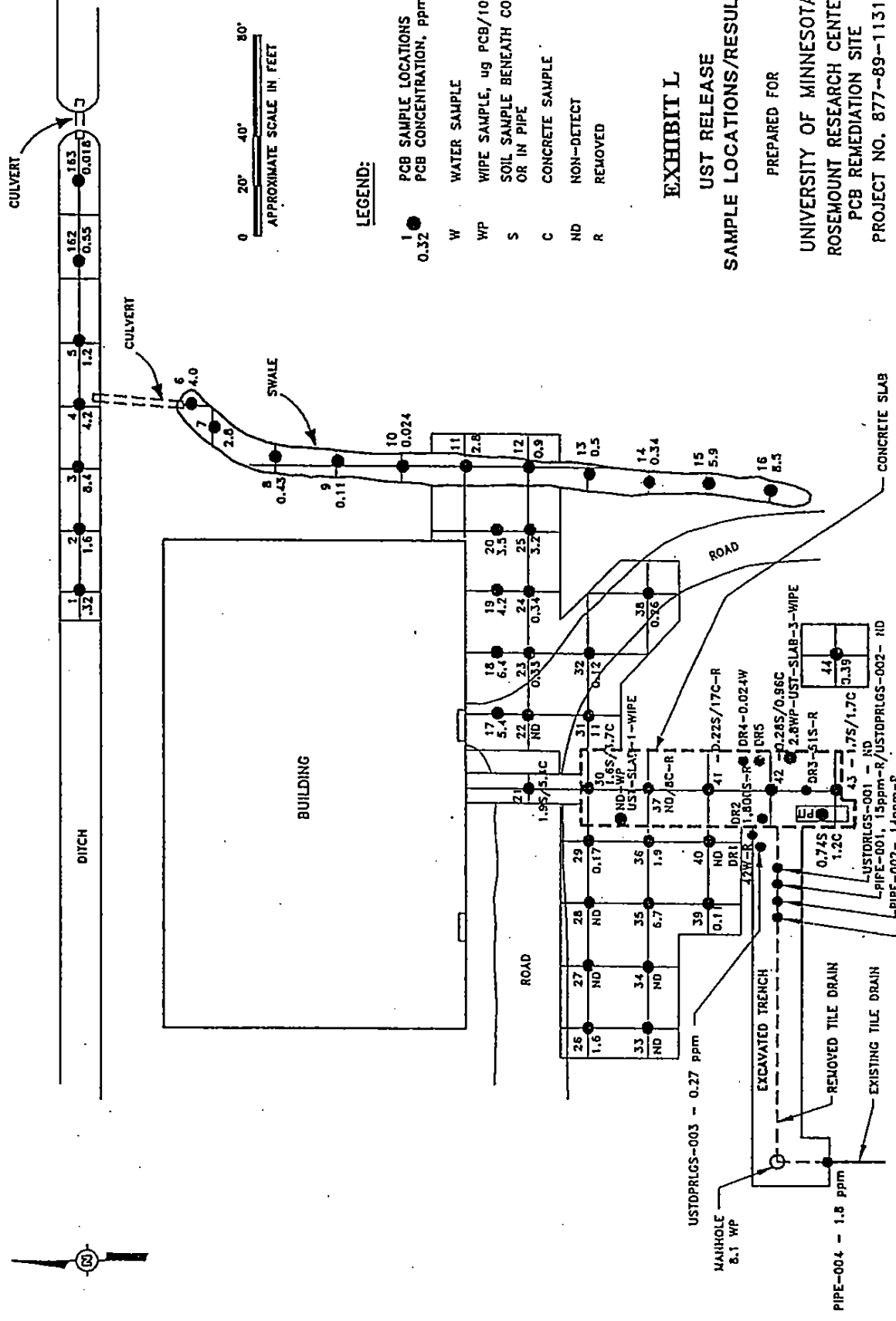
PREPARED FOR

UNIVERSITY OF MINNESOTA  
 ROSEMOUNT RESEARCH CENTER  
 PCB REMEDIATION SITE  
 PROJECT NO. 877-89-1131





DRAWN BY: L. LAPITZ  
 CHECKED BY: WJA  
 APPROVED BY: DAW  
 DRAWING NUMBER: 1-7-74  
 302732-UST06



302732-PE07

DRAWING NUMBER

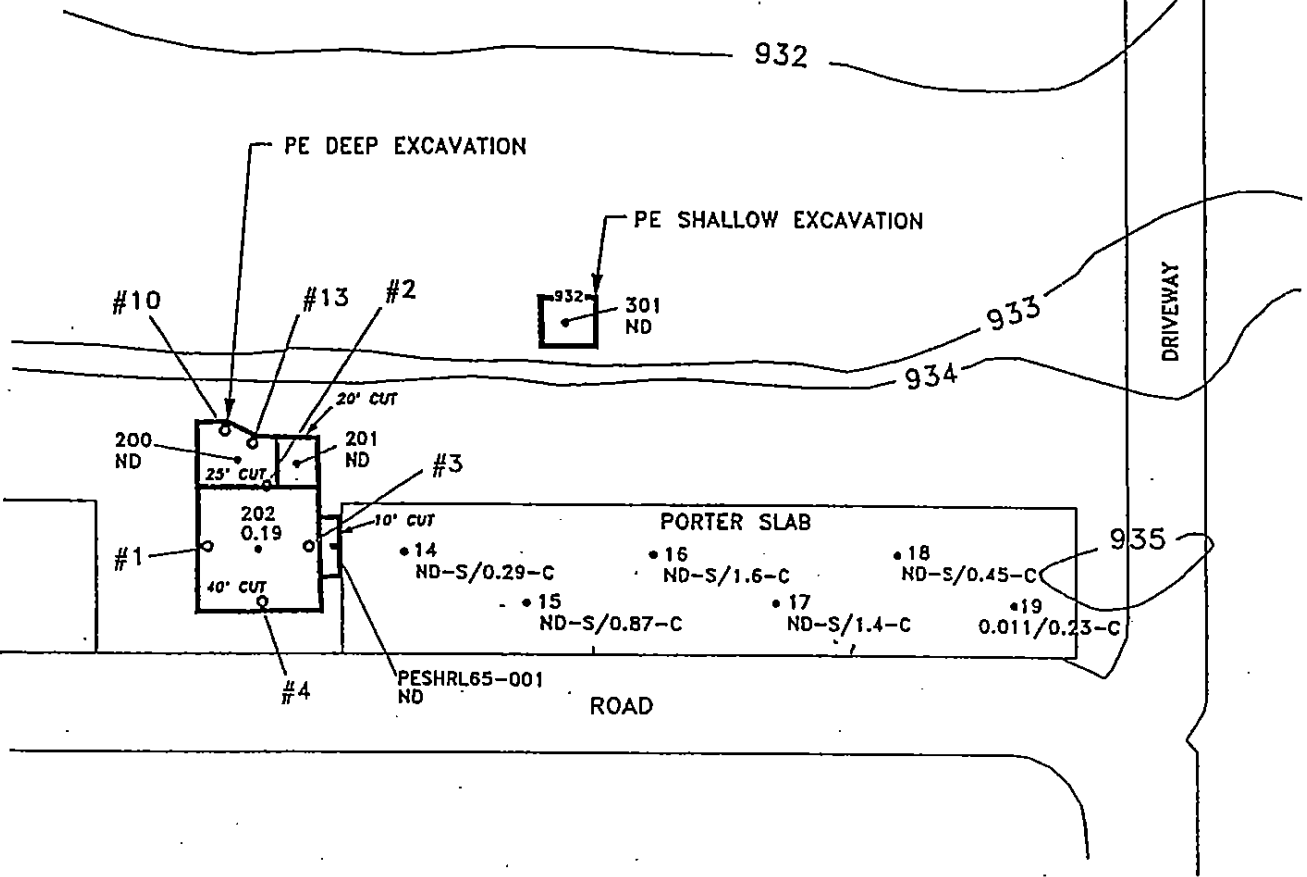
1-1-14  
1-2-94

WJA

CHECKED BY  
APPROVED BY

L. LAPITZ  
5-93

DRAWN BY



0 25' 50'  
 APPROXIMATE SCALE IN FEET

**LEGEND:**

- #4 BORING LOCATION
- 202 PCB SAMPLE LOCATIONS
- 0.19 PCB CONCENTRATION, ppm
- EXCAVATION AREAS
- 934— CONTOUR LINES
- C CONCRETE SAMPLE
- NA NOT AVAILABLE
- ND NON-DETECT
- S SOIL SAMPLE BENEATH CONCRETE

**EXHIBIT M**

PE RELEASE  
 SAMPLE LOCATIONS/RESULTS  
 (PLAN VIEW)

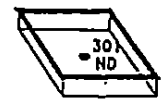
PREPARED FOR  
 UNIVERSITY OF MINNESOTA  
 ROSEMOUNT RESEARCH CENTER  
 PCB REMEDIATION SITE  
 PROJECT NO. 877-89-1131



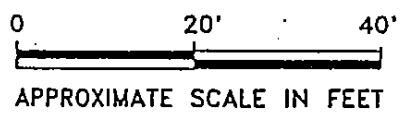
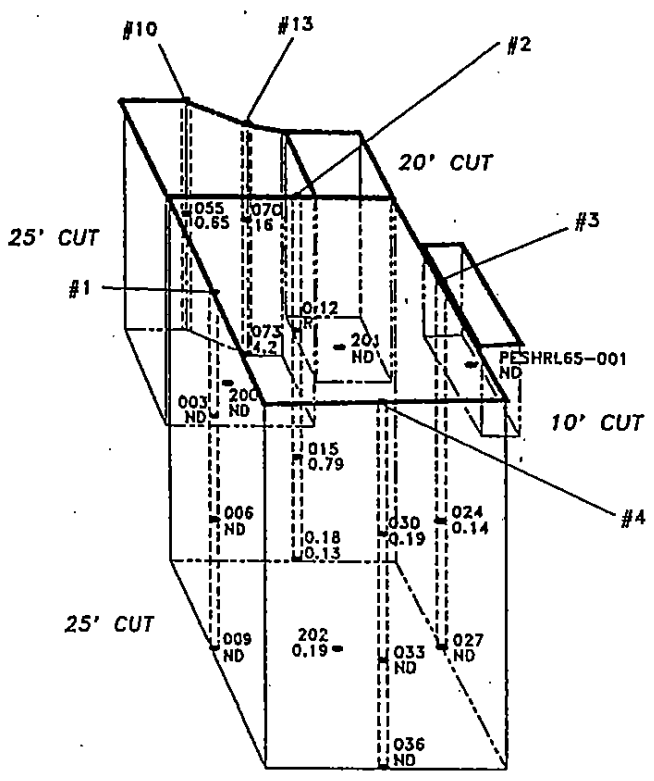
DRAWING NUMBER 302732-PE08  
 DATE 1-7-94  
 CHECKED BY WLA  
 APPROVED BY [Signature]  
 DRAWN BY L. LAPITZ  
 5-93



PE SHALLOW EXCAVATION



PE DEEP EXCAVATION



LEGEND:

- #4 BORING LOCATION
- 202 0.19 PCB SAMPLE LOCATIONS  
PCB CONCENTRATION, ppm
- EXCAVATION AREAS
- ND NON-DETECT
- R REMOVED

EXHIBIT N

PE RELEASE  
 SAMPLE LOCATIONS/RESULTS  
 (CROSS SECTION VIEW)

PREPARED FOR,  
 UNIVERSITY OF MINNESOTA  
 ROSEMOUNT RESEARCH CENTER  
 PCB REMEDIATION SITE  
 PROJECT NO. 877-89-1131





**EXHIBIT P**

Post Cleanup/Decontamination Release Sample Results  
Soil, Debris, and Concrete Matrices  
Rosemount Research Center  
(mg/kg)

07-Jan-94  
3 pages

Sample Number	Description	Pre-Excavation		Post-Excavation		Disposition
		Lead (TCLP-mg/L)	PCBs	Lead (Total)	PCBs	
Soil Matrix						
PCS-1	Parking	0.057U	0.12	4.1	0.210	In-Place
PECS-1						
PCS-2	Process	0.057U	0.21	5.0U	0.94J	In-Place
PECS-2						
PCS-3	Process	0.057U	0.093	14.7	3.85	Scrapped
PECS-3				NA	0.081U	GUE
PCS-4	Process	0.057U	0.061J	14.2	13	Scrapped
PECS-4				5.6	9.9	Burned
PCS-5	Process	0.057U	0.16	NA	0.081U	GUE
PECS-5				6.4	25	Scrapped
PCS-6	North Stockpile Floor	0.057U	4.4J	5.7	4.25	Burned
PECS-6				NA	0.031J	GUE
PCS-7	South Stockpile Floor	0.057U	5.1	9.4	10	Scrapped
PECS-7				NA	0.083U	GUE
PCS-8	Haul Road From S. Stockpile	0.057U	0.77J	9.2	7.7	Scrapped
PECS-8/PECS-27				NA	0.012J	GUE
PCS-9	Haul Road From N. Stockpile	0.057U	3.3	NA	0.690	GUE
HRRLGS-9				16.8U	0.068J	In-Place
PCS-10	GUE Haul	0.057U	0.078J	NA	0.350	In-Place
HRRLGS-10				NA		
PCS-11	UST Haul	0.057U	0.950	NA	20	Scrapped
HRRLGS-11				NA	0.035J	GUE
HRRLGS-11-A	Borrow	0.057U	0.054J	NS	NS	In-Place
PCS-12	South Stockpile, South Berm	NS	0.21 (e)	4.0U	12.5	In-Place
PECS-13		NS	NS	NA	0.093U	In-Place
PECS-13						

# EXHIBIT P

Post Cleanup/Decontamination Release Sample Results  
Soil, Debris, and Concrete Matrices  
Rosemount Research Center  
(mg/kg)

07-Jan-94  
3 pages

Sample Number	Description	Pre-Excavation		Post-Excavation		Disposition
		Lead (TCLP-mg/L)	PCBs	Lead (Total)	PCBs	
PECS-14	South Stockpile, North Berm	NS	0.054J (b)	4.5U	1.6	Borrow Pit
PECS-15	North Stockpile, South Berm	NS	0.21 (a)	5.0U	19	Scraped
PECS-15		NS	NS	5.1U	0.054J	Burned
PECS-16	North Stockpile, North Berm	NS	0.21 (a)	5.5	0.34	In-Place
HRRLGS-17	GUE Haul	NS	NS	408	28	Scraped
HRRLGS-17-A		NS	NS	NA	0.039J	Burned
HRRLGS-18	GUE Haul	NS	NS	42.4	1.3	In-Place
HRRLGS-19	GUE Haul	NS	NS	15.5	2.2J	In-Place
HRRLGS-20	GUE Haul	NS	NS	97.3	15	Scraped
HRRLGS-20A		NS	NS	NA	0.061J	GUE
HRRLGS-21	GUE Slab	NS	NS	11.9	2.9J	In-Place
HRRLGS-22	GUE Haul	NS	NS	13.7	0.86J	In-Place
HRRLGS-24	UST Haul	NS	NS	NA	0.96	In-Place
HRRLGS-25	UST Haul	NS	NS	NA	0.98	In-Place
HRRLGS-26	UST Haul	NS	NS	NA	1.1	In-Place
PECS-27	Haul Road From S. Stockpile	NS	NS	11.1	33J	Scraped
PECS-27		NS	NS	NA	40J	Burned
PECS-28A	Rock	NS	NS	4.9	12	Scraped
PECS-28A		NS	NS	NA	5.6	Burned
PECS-28B	Ash	NS	NS	7.3	24	Scraped
PECS-28B		NS	NS	NA	23.7	Burned
PECS-28B		NS	NS	NA	1.32	GUE
PECS-28C	Manhole	NS	NS	4.8U	1.69J	In-Place
PECS-29	Seale Haul	NS	NS	10.6	42J	Scraped
PECS-29		NS	NS	NA	12.5	Burned
PECS-29		NS	NS	NA	0.2	GUE
PECS-30	East of North Stockpile	NS	NS	9.2	7.3	In-Place
PECS-31	Liner Storage	NS	NS	NA	0.140	In-Place
RUBBFC	Floor in Rubb Bldg	NS	0.061J (c)	NA	6.1	Scraped
RUBBFC		NS	NS	NA	*	Burned
18 WELLCASE	Soil From Inside Well Casing	NS	NS	NA	62	
18 WELL SOIL		NS	NS	NA	1.8J	Debris

**EXHIBIT P**

Post Cleanup/Decontamination Release Sample Results  
Soil, Debris, and Concrete Matrices  
Rossmount Research Center  
(mg/kg)

07-Jan-94  
3 pages

Sample Number	Description	Pre-Excavation Lead (TCLP-mg/L)	Pre-Excavation PCBs	Lead (Total)	Post-Excavation PCBs	Disposition
<u>Concrete Matrix</u>						
PECS-23	PE Slab	NS	NS	23.4	0.025J	In-Place
<u>Wipe Samples</u> (ug/sample)						
18 WELLCASE-W	Wipe of Well Casing	NS	NS	NA	16J	Debris
RBW-WIPE	Rubb Bldg Concrete Wipe	NS	NS	NA	*	In-Place
RUBB-1	Cloth Shell Wipe	NS	NS	NA	0.45J	Gone
RUBB-2	Cloth Shell Wipe	NS	NS	NA	2.4U	Gone
RUBB-3	Cloth Shell Wipe	NS	NS	NA	*	Gone
RUBB-4	Cloth Shell Wipe	NS	NS	NA	*	Gone
RUBB-1	N.W. Corner Found Concrete Wipe	NS	NS	NA	*	Gone
RUBB-2	N.E. Corner Found Concrete Wipe	NS	NS	NA	*	Gone
FEEDSYST-1	Concrete Wipe	NS	NS	NA	4.3	In-Place
FEEDSYST-2	Concrete Wipe	NS	NS	NA	3.2	In-Place
FEEDHOPPER	Equipment Wipe	NS	NS	NA	0.84J	In-Place
SPRAYTOWER	Concrete Wipe	NS	NS	NA	0.79J	In-Place
RAMCHUTE	Equipment Wipe	NS	NS	NA	0.67J	In-Place
BAGHOUSE	Concrete Wipe	NS	NS	NA	2.4U	In-Place
DESLAG PIT	Concrete Wipe	NS	NS	NA	0.39J	In-Place
DECON PAD	Concrete Wipe	NS	NS	17.4	1.1J	In-Place
DECONPADMAN	Concrete Wipe	NS	NS	61.6	2.0U	In-Place
RB-1	Ram Building	NS	NS	NA	*	Gone
RB-2	Ram Building	NS	NS	NA	*	Gone
SB-1	Scrubber Bldg Metal	NS	NS	NA	*	Gone
SB-2	Scrubber Bldg Metal	NS	NS	NA	*	Gone

Key:

F - Final Release Sample

D - Diluted out.

U - Compound analyzed, not detected. Number is the detection limit for the sample.

J - Present below detection limit.

NS - Sample was analyzed.

NA - No analysis required for this sample point.

(a) Highest process area pre-excavation result (PCS-2)

(b) Borrow pre-excavation result (PCS-12).

(c) Process area pre-excavation result PCS-4.

\* - Waiting for analytical report.