

## **GIS Registry Disclaimer**

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

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

# GIS REGISTRY

## Cover Sheet

July, 2008  
(RR 5367)

### Source Property Information

BRRTS #:

ACTIVITY NAME:

PROPERTY ADDRESS:

MUNICIPALITY:

PARCEL ID #:

CLOSURE DATE:

FID #:

DATCP #:

COMM #:

#### \*WTM COORDINATES:

X:  Y:

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

#### WTM COORDINATES REPRESENT:

Approximate Center Of Contaminant Source

Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

#### Contaminated Media:

Groundwater Contamination > ES (236)

Contamination in ROW

Off-Source Contamination

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

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

Contamination in ROW

Off-Source Contamination

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

#### Land Use Controls:

Soil: maintain industrial zoning (220)

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

Structural Impediment (224)

Site Specific Condition (228)

Cover or Barrier (222)

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

Vapor Mitigation (226)

Maintain Liability Exemption (230)

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

Monitoring wells properly abandoned? (234)

Yes  No  N/A

*\* Residual Contaminant Level*

*\*\*Site Specific Residual Contaminant Level*

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

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

BRRTS #:  PARCEL ID #:

ACTIVITY NAME:  WTM COORDINATES: X:  Y:

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

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

**SOURCE LEGAL DOCUMENTS**

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

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

- Maps must be no larger than 8.5 x 14 inches unless the map is submitted electronically.
- Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.  
*Note: Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.*  
**Figure #:**                      **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: Approximate soil probe 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 #: 02-13-260234

ACTIVITY NAME: WI DOA Troy Dr.

**MAPS (continued)**

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

**Figure #:**                      **Title:**

**Figure #:**                      **Title:**

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

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

**Figure #:**                      **Title:**

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

**Figure #:**                      **Title:**

**Figure #:**                      **Title:**

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

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

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

**Table #: 1                      Title: Concentrations of parameters in soil**

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

**Table #:                      Title:**

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

**Table #:                      Title:**

**IMPROPERLY ABANDONED MONITORING WELLS**

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

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

- Not Applicable**

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

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

**Figure #:**                      **Title:**

- Well Construction Report:** Form 4440-113A for the applicable monitoring wells.
- Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.
- Notification Letter:** Copy of the notification letter to the affected property owner(s).

BRRTS #: 02-13-260234

ACTIVITY NAME: WI DOA Troy Dr.

## NOTIFICATIONS

### Source Property

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

### Off-Source Property

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

- Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.  
*Note: Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.*  
**Number of "Off-Source" Letters:**
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.
- Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.  
*Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*
- Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).  
**Number of "Governmental Unit/Right-Of-Way Owner" Letters:**



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

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

June 28, 2002

FILE REF: 02-13-260234

Mr. Jim McMillan  
Department of Administration  
P.O. Box 7866  
Madison, WI 53707

Subject: Closure, WDOA Troy Avenue, Madison, WI

Dear Mr. McMillan:

On June 27, 2002, the above named site was reviewed for closure by the South Central Region Closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in case closure.

Based on the information provided to the Department, it appears that the contamination at the site is in compliance with the requirements of chs. of NR 726, Wis. Adm. Code. A 2 foot cap was placed on the area of impacted soil and a deed restriction requiring maintenance of the cap was placed on the property deed. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

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

If you have any questions regarding this letter, please call me at the number shown below.

Sincerely,

Dino Tsois, P.G.  
Hydrogeologist  
Remediation & Redevelopment Program  
Telephone (608) 275-3299

CC: Mr. Gerald Krueger, STS Consultants, LTD, 2901 W. Beltline Highway, Suite 123, Madison, WI 53713-4226  
Mr. Peter McKeever, Heartlake Conservation Association, 6302 Southern Circle, Monona, WI 53716



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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Fitchburg, Wisconsin 53711-5397  
Telephone 608-275-3266  
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TTY 608-275-3231

August 15, 2001

FILE REF: 02-13-260234

Mr. Jim McMillan  
Department of Administration  
P.O. Box 7866  
Madison, WI 53707

Dear Mr. McMillan:

On August 13, 2001, your site was reviewed for closure by the South Central Region Closure Committee. This committee reviews environmental remediation cases for compliance with state statutes and rules to maintain consistency in the closure of these cases. After careful review of your closure request, the closure committee has decided that additional site work is necessary at the above-described site, in order to meet the requirements for site closure.

Your site was denied closure because the following activities must be accomplished prior to closure consideration: **1)** Public notice of proposed remedial action and notification of the proposed soil performance standard. Public notification is required under Wis. Adm. Code NR 714 Public Information and Participation, in particular NR 714.07(5), Public Notice of Remedial Action. **2)** The Department is requiring a two foot cover over the PAH contaminated soil along the railroad corridor, rather than the proposed one foot cover. The two feet of cover is necessary to address the direct contact threat and consistent with Department requirements for other contaminated or solid waste sites. **3)** A deed restriction will need to be placed on the property deed describing the presence of the PAH soil contamination and requirement to maintain the two foot cover over the contamination. A copy of the property deed or description of the property by metes and bounds will need to be submitted to the Department.

Once the additional work outlined above has been completed and documented a brief submittal should be sent to the Department. The information will be added to the file for review and your request for closure will be reconsidered.

If there is additional relevant information that was not previously provided to the Department, which you believe might change the Department's closure decision, you may submit that information for our re-evaluation of your closure request. If you have any questions regarding this letter, please contact me at the telephone number shown below

Sincerely,

Dino Tsoris, PG  
Hydrogeologist  
Bureau for Remediation & Redevelopment  
Telephone: (608) 275-3299

Cc: Mr. Gerald Krueger, STS Consultants, LTD, 2901 W. Beltline Highway, Suite 123, Madison, WI 53713-4226  
Mr. Peter McKeever, Heartlake Conservation Association, 6302 Southern Circle, Monona, WI 53716

STATE OF WISCONSIN

Dane County

} ss.

Teresa L. Mason

....., being duly sworn, doth depose and say that he (she) is an authorized representative of Wisconsin State Journal ..... a newspaper, published at Madison, the seat of government of said State, and that an advertisement of which the annexed is a true copy, taken from said paper, was published therein on

February 1, 2002

Public Notice  
State of Wisconsin - Madison  
The Wisconsin Department of Administration (DOA) has performed remedial action activities at 500 Troy Dr., Madison, WI. Soils containing low levels of polycyclic aromatic hydrocarbons (PAHs) are present along an approximately 1,400 ft. long inactive railroad corridor that crosses the property. In accordance with the Wisconsin Department of Natural Resources' requirements, geotextile fabric and 2 ft. of clean soil fill material were installed to create a barrier over the soils containing PAHs. A copy of the information pertaining to this project is available for review at the Wisconsin Department of Natural Resources, 3911 Fish Hatchery Rd., Fitchburg, WI 53711 (File Ref.: 02-13-260234).

Comments on the project are welcomed and should be received by Mr. James McMillan of the Wisconsin DOA, P.O. Box 7866, Madison, WI 53707, Ph. (608) 266-3855.

PUB: WSJ: February 1, 2002

(Signed).....

Teresa L. Mason

Principal Clerk

(Title)

Subscribed and sworn to before me this

1/1/02

day of

February, 2002

(Seal)

[Signature]

Notary Public, Dane County, Wisconsin

My Commission expires

1-8, 2006



001109

In addition, the cap or cover shall be maintained in compliance with a plan prepared and submitted to the Wisconsin Department of Natural Resources by a responsible party, as required by Section NR 724.13(2), Wisconsin Administrative Code (1997).

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

Any person who is or becomes owner of the Property may request that the Wisconsin Department of Natural Resources or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the 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, attached to a copy of the Department's written determination, may be recorded by the property owner or other interested party to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

By signing this document, the undersigned asserts that he or she is duly authorized to sign this document on behalf of the Owner.

IN WITNESS WHEREOF, the Owner has executed this Declaration of Restrictions this 28th day of December, 2001.

Edward D. Main  
Signature

Edward D. Main  
Printed Name and Title

Subscribed and sworn to before me this 28th day of December, 2001.



K. Cliff-Vike  
Notary Public, State of Wisconsin  
My Commission 12/19/05

This document was drafted by the Wisconsin Department of Natural Resources.

## Exhibit A

001110

The attached Declaration of Restrictions, of which this Exhibit A is a part, pertains to certain real property which is more precisely described as follows:

A parcel of land located in the Northwest 1/4, Southwest 1/4 and Southeast 1/4 of the Southeast 1/4 of Section 26, Township 8 North, Range 10 East, in the City of Madison, Dane County, Wisconsin, more fully bounded and described as follows, to wit:

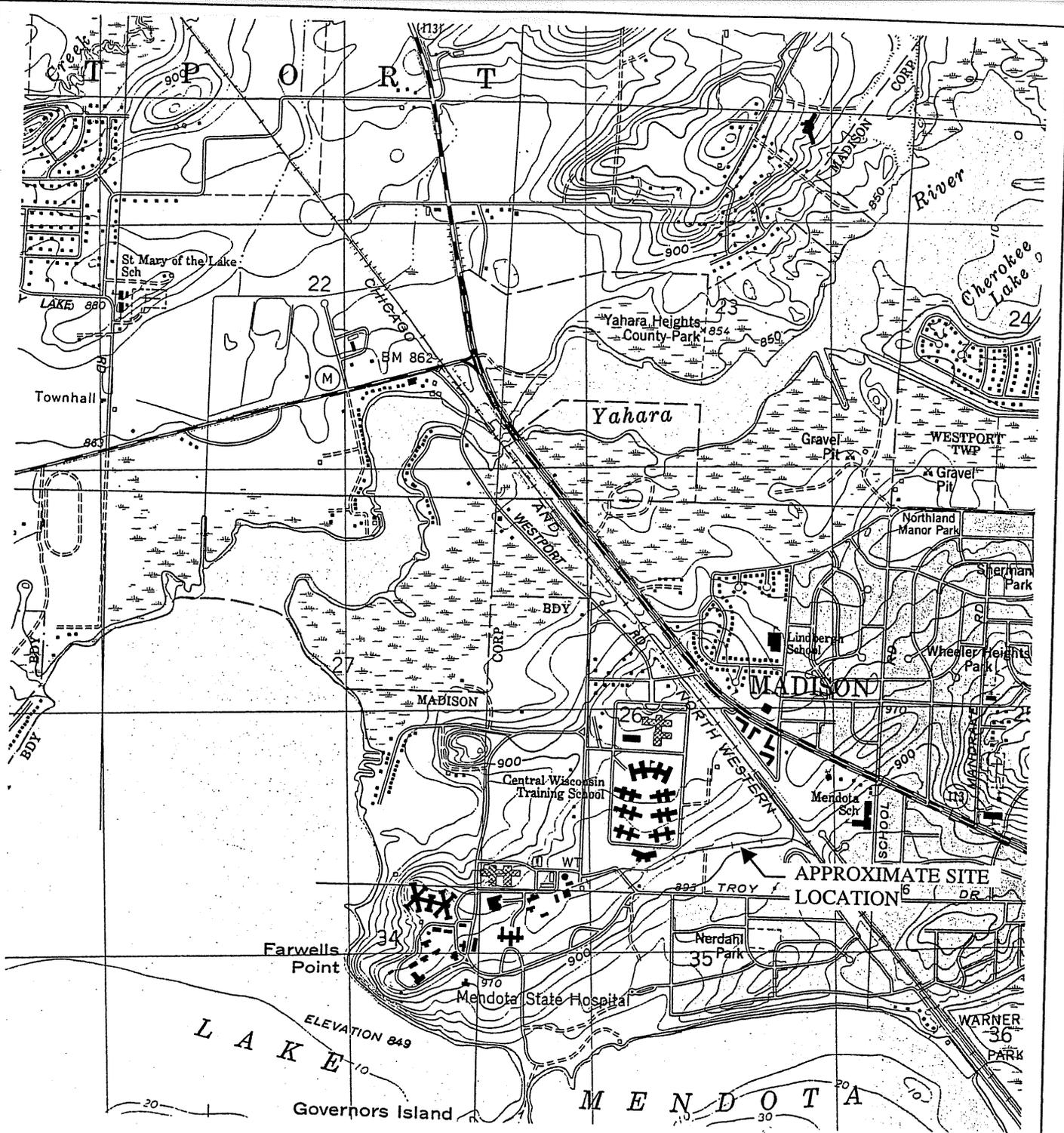
Commencing at the South quarter corner of the said Section 26; thence North 89° 48' 44" East, 374.37 feet along the South line of the said Southeast 1/4, to the point of beginning; thence North 01° 05' 39" East, 1,033.01 feet; thence North 89° 48' 44" East, 82.00 feet; thence North 01° 05' 39" East, 356.97 feet to a found iron stake; thence North 84° 50' 42" East, 620.37 feet to the Southwesterly right-of-way of the Wisconsin Southern Railroad; thence South 38° 55' 03" East, 149.78 feet along the said right-of-way; thence North 89° 48' 24" East, continuing along the said right-of-way, 33.33 feet; thence South 38° 55' 03" East, continuing along the said right-of-way, 800.66 feet to the start of a curve; thence Northwesterly on a curve to the left which has a radius of 467.00 feet and a chord which bears North 61° 10' 11" West (recorded as North 61° 15' 40" West), 91.34 feet to the most northerly corner of Lot 28, First Addition to Fairfield Manor, recorded in Volume 33 of Plats, Page 43, in the Office of the Register of Deeds of Dane County Wisconsin; thence South 50° 37' 05" West (recorded as South 51° 03' 10" West), 49.81 feet to a point on the Easterly edge of Lot 1, Fairfield Manor, recorded in Volume 21 of Plats, Page 17, in the Office of the Register of Deeds of Dane County, Wisconsin; thence North 00° 31' 05" East (recorded as North 01° 09' East), 59.70 feet to the Northeast corner of the said Lot 1; thence South 89° 54' 02" West (recorded as West), 273.10 feet to a found iron stake at the Northwest corner of Lot 3 of the said Plat of Fairfield Manor; thence South 00° 55' 26" West (recorded as South 01° 09' West), 44.05 feet along the Westerly line of the said Plat to a point of curve; thence Southwesterly on a curve to the left which has a radius of 2,526.44 feet and a chord which bears South 80° 25' 13" West, 93.39 feet; thence South 79° 21' 42" West, 231.65 feet; thence South 00° 55' 26" West, 673.68 feet to the South line of the said Southeast 1/4; thence South 89° 48' 44" West, 634.40 feet to the point of beginning, containing an area of 1,136,612 square feet (26.09 acres), more or less.\*

\* As of the date of the attached Declaration of Restrictions, part of the parcel of land described above, consisting of an area of approximately 20,935.20 square feet (.481 acre), is improved for use as a public street right-of-way (the Northerly 1/2 of Troy Drive).

## Remediation Easement Area

The attached Declaration of Restrictions, of which this Exhibit B is a part, pertains to a remediation easement which is eighteen feet wide, is located in the Southwest 1/4 and Southeast 1/4 of the Southeast 1/4 of Section 26, Township 8 North, Range 10 East, in the City of Madison, Dane County, Wisconsin, and is more fully bounded and described as follows, to wit:

Commencing at the South quarter corner of the said Section 26; thence North  $89^{\circ} 48' 44''$  East, 374.37 feet along the South line of the said Southeast 1/4; thence North  $01^{\circ} 05' 39''$  East, 602.08 feet to a point which is 9.00 feet south (measured at right angles) from the centerline of an existing railroad spur and the point of beginning of this description; thence continuing North  $01^{\circ} 05' 39''$  East, 18.38 feet to a point which is 9.00 feet north (measured at right angles) from the centerline of the said railroad spur; thence North  $79^{\circ} 21' 42''$  East, parallel and 9.00 feet north of the said centerline, 864.38 feet to a point of curve; thence Northeasterly, parallel and 9.00 feet north of the said centerline, on a curve to the right which has a radius of 2,589.00 feet and a chord which bears North  $81^{\circ} 12' 33''$  East, 166.94 feet to a point of compound curve; thence Southeasterly, parallel and 9.00 feet north of the said centerline, on a curve to the right which has a radius of 507.50 feet and a chord which bears South  $81^{\circ} 56' 11''$  East, 262.82 feet to a point of compound curve; thence Southeasterly, parallel and 9.00 feet north of the said centerline, on a curve to the right which has a radius of 466.00 feet and a chord which bears South  $64^{\circ} 43' 56''$  East, 35.73 feet; thence South  $38^{\circ} 55' 03''$  East, 51.04 feet to a point 9.00 feet south (measured at right angles) from the said centerline and a point on a curve; thence Northwesterly, parallel and 9.00 feet south of the said centerline, on a curve to the left which has a radius of 448.00 feet and a chord which bears North  $61^{\circ} 44' 11''$  West, 81.10 feet to a point of compound curve; thence Northwesterly, parallel and 9.00 feet south of the said centerline, on a curve to the left which has a radius of 489.50 feet and a chord which bears North  $69^{\circ} 28' 47''$  West, 43.56 feet; thence North  $00^{\circ} 31' 05''$  East, 11.22 feet; thence South  $89^{\circ} 54' 02''$  West, 40.21 feet to a point 9.00 feet south of the said centerline and a point on a curve; thence Northwesterly, parallel and 9.00 feet south of the said centerline, on a curve to the left which has a radius of 489.50 feet and a chord which bears North  $86^{\circ} 55' 26''$  West, 170.33 feet to a point of compound curve; thence Southwesterly, parallel and 9.00 feet south of the said centerline, on a curve to the left which has a radius of 2,571.00 feet and a chord which bears South  $81^{\circ} 12' 33''$  West, 165.78 feet; thence South  $79^{\circ} 21' 42''$  West, parallel and 9.00 feet south of the said centerline, 868.12 feet to the point of beginning, containing an area of 24,106 square feet, more or less.



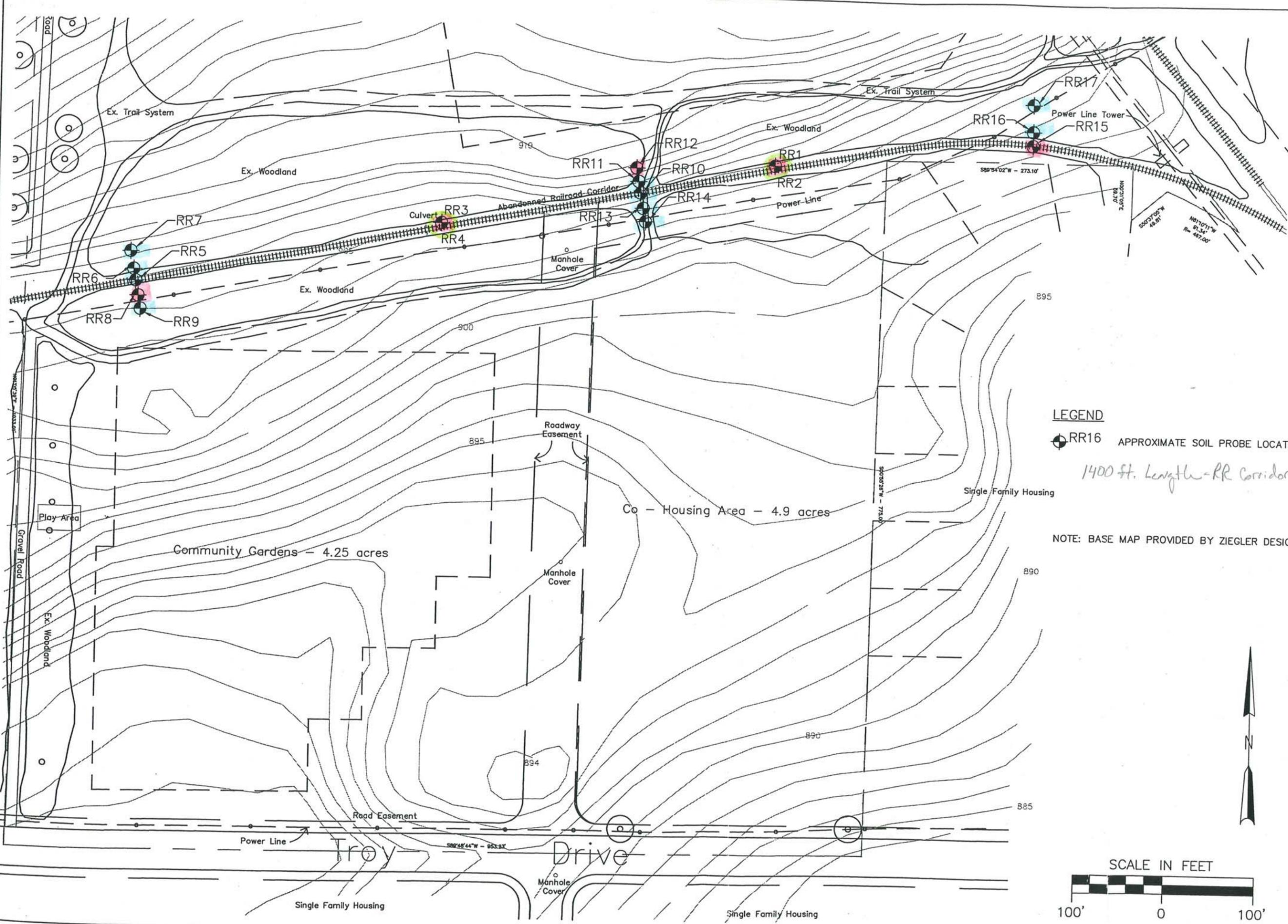
APPROXIMATE SITE LOCATION



STS Consultants Ltd.  
Consulting Engineers

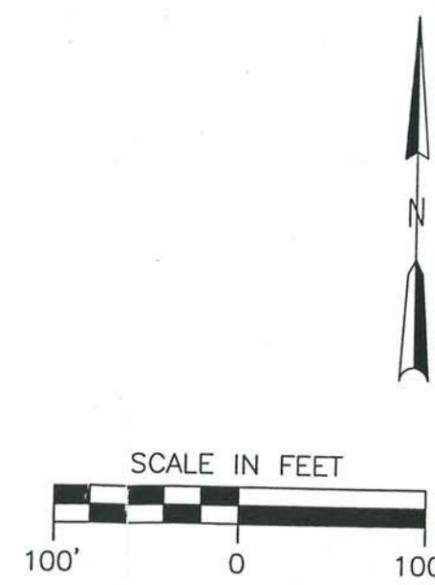
SITE LOCATION MAP  
500 TROY DRIVE  
MADISON, WISCONSIN

DRAWN BY	RJR	4/25/01
CHECKED BY	GAK	4/26/01
APPROVED BY	GAK	4/26/01
CADFILE	SCALE	AS SHOWN
FIGURE 1	FIGURE NO.	1
STS PROJECT NO.	89084	



**LEGEND**  
 ● RR16 APPROXIMATE SOIL PROBE LOCATION  
 1400 ft. Length - RR Corridor

NOTE: BASE MAP PROVIDED BY ZIEGLER DESIGN.



DRAWN BY	MDS	DATE	4/11/01
CHECKED BY	GAK	DATE	4/12/01
APPROVED BY	GAK	DATE	4/13/01

APPROXIMATE SOIL PROBE LOCATIONS  
 500 TROY DRIVE  
 MADISON, WISCONSIN



STS Consultants Ltd.  
 Consulting Engineers

STS PROJECT NO.	89084
STS PROJECT FILE	FIGURE 2
SCALE	AS SHOWN
FIGURE NO.	2

CADFILE: \PROJECTS\1\89084\FIGURE 2  
 XREF =

TABLE 1  
CONCENTRATIONS OF PARAMETERS IN SOIL  
500 TROY DRIVE, MADISON, WISCONSIN

Residual Contaminant Levels (RCL)	Background	Soil Classification	Field FID (IU)	Total Solids (%)	1-Methylnaphthalene (ug/kg)	2-Methylnaphthalene (ug/kg)	Acenaphthene (ug/kg)	Acenaphthylene (ug/kg)	Anthracene (ug/kg)	Benzo(a)anthracene (ug/kg)	Benzo(a)pyrene (ug/kg)	Benzo(b)fluoranthene (ug/kg)	Benzo(g,h,i)perylene (ug/kg)	Benzo(k)fluoranthene (ug/kg)	Chrysene (ug/kg)	Dibenzo(a,h)anthracene (ug/kg)	Fluoranthene (ug/kg)	Fluorene (ug/kg)	Indeno(1,2,3-cd)pyrene (ug/kg)	Naphthalene (ug/kg)	Phenanthrene (ug/kg)	Pyrene (ug/kg)
Groundwater Pathway	NA	NA	NA	86	<20	<20	<18	<22	<18	<23	21 <sup>5</sup>	21 <sup>5</sup>	<35	<31	24 <sup>5</sup>	<45	35 <sup>5</sup>	<23	<49	<17	<18	29 <sup>5</sup>
Direct Contact Non-Industrial	NA	NA	NA	NA	1,100,000	600,000	900,000	18,000	5,000,000	88	8.8	88	1,800	880	8,800	8.8	600,000	600,000	88	20,000	18,000	500,000
Direct Contact Industrial	NA	NA	NA	NA	70,000,000	40,000,000	60,000,000	360,000	300,000,000	3,900	390	3,900	39,000	39,000	390,000	390	40,000,000	40,000,000	3,900	110,000	390,000	30,000,000
RR-1 (surface)	NA	NA	90	<18	20 <sup>5</sup>	<17	<20	19 <sup>5</sup>	<21	17 <sup>5,6</sup>	34 <sup>5</sup>	<32	38 <sup>5</sup>	57 <sup>5</sup>	<41	60	<21	<44	<15	47 <sup>5</sup>	51 <sup>5</sup>	
RR-2 (1'-2')	NA	NA	85	114 <sup>5</sup>	184 <sup>5</sup>	<90	121 <sup>5</sup>	449	137 <sup>5</sup>	134 <sup>5</sup>	694	192 <sup>5</sup>	456 <sup>5</sup>	553	<220	506	<112	<240	<101 <sup>5</sup>	551	447	
RR-3 (surface)	NA	NA	90	93 <sup>5</sup>	133 <sup>5</sup>	<83	266 <sup>5</sup>	483	278 <sup>5</sup>	334	1230	507 <sup>5</sup>	1020	1030	234 <sup>5</sup>	1250	<104	486 <sup>5</sup>	140 <sup>5</sup>	726	959	
RR-4 (1'-2')	NA	NA	90	<92	<92	<85	199 <sup>5</sup>	335	324 <sup>5</sup>	331	1000	391 <sup>5</sup>	884	992	257 <sup>5</sup>	987	<106	404 <sup>5</sup>	102 <sup>5</sup>	467	832	
RR-5 (0'-1')	SW	4	87	<19	<19	<17	<20	<17	<22	<17	<17	<33	<30	<20	<42	<13	<22	<46	<16	<17	<16	
RR-5 (3'-3.5')	ML	4	84	<19	<19	<18	<21	<17	<22	<17	<17	<34	<30	<20	<42	<13	<22	<46	<16	<17	<16	
RR-5 (8.5'-9.5')	SM	5	94	<18	<18	<18	<21	<17	<22	<17	<17	<34	<30	<20	<42	<13	<22	<46	<16	<17	<16	
RR-6 (0'-1')	ML	5	80	<21	<21	<19	<20	<16	<21	<16	<16	<32	<29	<19	<41	<13	<22	<47	<16	<18	<16	
RR-6 (3.5'-4')	SM	4	91	<17	<17	<19	<23	<19	<24	<18	<18	<37	<33	<22	<47	<14	<24	<44	<15	<17	<16	
RR-7 (0'-1')	ML	4	80	<21	<21	<19	<23	<19	<24	<18	<18	<37	<33	<22	<47	<14	<24	<44	<15	<17	<16	
RR-7 (3'-4')	SM	5	87	<19	<19	<17	<20	<17	<22	<17	<17	<37	<33	<22	<47	15 <sup>5,6</sup>	<24	<51	<18	<19	<18	
RR-8 (0'-1')	TOPSOIL	6	79	<21	<21	<19	<23	<19	<24	29 <sup>5</sup>	29 <sup>5</sup>	<37	<33	30 <sup>5</sup>	<47	33 <sup>5,6</sup>	<24	<51	<17	34 <sup>5</sup>	30 <sup>5</sup>	
RR-8 (3'-3.5')	ML	5	86	<19	<19	<19	<23	<19	<24	29 <sup>5</sup>	29 <sup>5</sup>	<37	<33	30 <sup>5</sup>	<47	33 <sup>5,6</sup>	<24	<51	<17	34 <sup>5</sup>	30 <sup>5</sup>	
RR-9 (0'-1')	CL	6	81	<21	<21	<19	<23	<17	<21	<16	<16	<33	<29	<20	<42	<13	<21	<45	<16	<17	<16	
RR-9 (3'-3.5')	SM	5	87	<19	<19	<17	<20	<17	<24	<18	<18	<37	<33	<22	<47	<14	<24	<51	<18	<19	<18	
RR-10 (1'-1.5')	ML	0	83	<21	<21	<19	<22	<19	<21	<16	<16	<33	<29	<20	<42	<13	<21	<45	<16	<17	<16	
RR-10 (2.5'-3')	ML	0	88	<19	<19	<19	<22	<19	<24	<18	<18	<36	<32	<22	<46	<14	<24	<51	<17	<19	<18	
RR-10 (8'-10')	SM	0	93	<18	<18	<17	<20	<17	<22	<17	<17	<33	<30	<20	<43	<13	<24	<51	<17	<19	<18	
RR-11 (0'-1')	CL	0	84	<20	<20	<18	<22	<16	<21	<16	<16	<32	<28	<19	<41	<12	<21	<44	<15	<17	<16	
RR-11 (2.5'-3')	SP	0	88	<19	<19	<18	<22	<18	<23	<18	<18	<35	<32	<21	<45	<14	<23	<49	<17	<18	<17	
RR-12 (0'-1')	ML	0	81	<21	<21	<19	<22	<19	<24	18 <sup>5,6</sup>	<18	<36	<32	27 <sup>5</sup>	<46	<13	<22	<48	<16	<18	<17	
RR-12 (3'-3.5')	SM	0	90	<18	<18	<17	<20	<16	<21	<16	<16	<32	<29	<19	<41	<12	<21	<45	<15	<17	<16	
RR-13 (0'-1')	CL	0	83	<22	<22	<20	<23	<19	<25	<19	<19	<38	<34	<23	<48	<15	<25	<53	<18	<20	<18	
RR-13 (2.5'-3')	SM	0	86	<20	<20	<19	<22	<18	<23	<18	<18	<35	<32	<21	<45	<14	<23	<49	<17	<19	<18	
RR-14 (0'-1')	CL	0	82	<21	<21	<20	<23	<19	<24	<19	<19	<37	<33	<23	<48	<14	<23	<49	<17	<19	<17	
RR-14 (2.5'-3')	CL	0	87	<20	<20	<18	<22	<18	<23	<18	<18	<35	<31	<21	<45	<13	<23	<49	<17	<18	<17	
RR-15 (0'-1')	FILL	6	79	83	115	<20	<24	56 <sup>5</sup>	52 <sup>5</sup>	61 <sup>5</sup>	55 <sup>5</sup>	<39	68 <sup>5</sup>	91	<49	108	<25	<54	81	248	127	
RR-15 (3'-3.5')	CL	7	81	<21	<21	<20	<23	<19	<24	<19	<19	<38	<34	<23	<48	<14	<24	<52	<18	<20	<18	
RR-15 (5.5'-6')	SP	7	95	<17	<17	<16	<19	<15	<20	<15	<15	<30	<27	<18	<38	<12	<20	<42	<14	<16	<15	
RR-16 (0'-1')	TOPSOIL	6	82	<20	<20	<19	<22	<18	<23	<18	<18	<36	<32	<22	<46	16 <sup>5,6</sup>	<23	<50	<17	<19	<18	
RR-16 (3.5'-4')	SM	7	87	<20	<20	<19	<22	<18	<23	<18	<18	<36	<32	<22	<46	16 <sup>5,6</sup>	<23	<50	<17	<19	<18	
RR-17 (0'-1')	CL-ML	8	80	<21	<21	<19	<23	<18	<23	<18	<18	<35	<32	<21	<45	<14	<23	<49	<17	<19	<17	
RR-17 (3'-4')	CL-ML	6	84	<20	<20	<18	<21	<18	<23	<17	<17	<37	<33	<22	<47	21 <sup>5,6</sup>	<24	<51	<17	<19	<18	

Notes: 1. RCL - Residual Contaminant Level.  
 2. RCL for PAHs are as suggested in the Wisconsin Department of Natural Resources publication RR-519-97, Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance, April 1997.  
 3. FID - Flame Ionization Detector.  
 4. Bold indicates analyte detected above the residual contaminant levels for direct contact in non-industrial settings.  
 5. The reported result is less than the practical quantitation limit (PQL).  
 6. The reported result is less than the background concentration.