

# GIS REGISTRY

## Cover Sheet

July, 2008  
(RR 5367)

### Source Property Information

BRRTS #: 02-16-265898

ACTIVITY NAME: CONNORS POINT - FIELD LOGIC SITE

PROPERTY ADDRESS: 105 MAIN ST

MUNICIPALITY: SUPERIOR

PARCEL ID #: 03-803-01057-00; 03-803-01061-00; 03-803-01061-01; 03-803-01063-0

CLOSURE DATE: Nov 2, 2009

FID #: 816066020

DATCP #:

COMM #:

#### \*WTM COORDINATES:

X: 359839 Y: 699104

*\* 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 #: 02-16-265898 PARCEL ID #: 03-803-01057-00; 03-803-01061-00; 03-803-01061-01; 03-8

ACTIVITY NAME: CONNORS POINT - FIELD LOGIC SITE WTM COORDINATES: X: 359839 Y: 699104

**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 #: Appendix A Title: Property Survey and Easement Description at Field Logic Site**
- Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

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

Maps must be no larger than 8.5 x 14 inches unless the map is submitted electronically.

- Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.  
*Note: Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.*  
**Figure #: 1 Title: Site Location**
- Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.  
**Figure #: 2 Title: Site Layout / Boring 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 #: 2 Title: Site Layout / Boring Locations**

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ACTIVITY NAME: CONNORS POINT - FIELD LOGIC SITE

**MAPS (continued)**

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

**Figure #: 4**                      **Title: Cross Section Trendlines**

**Figure #: 5 & 6**                      **Title: Cross Section A - A' & Cross Section B - B'**

- 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 #: 8**                      **Title: Groundwater Isoconcentration Map**

- 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 #: 3**                      **Title: Groundwater Contour Map**

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

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

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

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

**Table #: 1 & 2**                      **Title: Soil Analytical Results**

- 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 #: 3**                      **Title: Groundwater Analytical Results**

- 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 #: 1**                      **Title: Groundwater Level Measurements - see attached Hydrograph**

**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 #: 02-16-265898

ACTIVITY NAME: CONNORS POINT - FIELD LOGIC SITE

## NOTIFICATIONS

### Source Property

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

### Off-Source Property

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

- Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.  
*Note: Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.*  
**Number of "Off-Source" Letters: NA**
- 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: NA**



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Matthew J. Frank, Secretary  
John Gozdzialski, Regional Director

Northern Region Headquarters  
107 Sutliff Avenue  
Rhinelander, Wisconsin 54501-3349  
Telephone 715-365-8900  
FAX 715-365-8932  
TTY Access via relay - 711

November 2, 2009

MR JASON SERCK  
PLANNING AND PORT DIRECTOR  
CITY OF SUPERIOR  
1316 N 13<sup>TH</sup> ST  
SUPERIOR WI 54880

SUBJECT: Final Case Closure with Continuing Obligations  
Connors Point - Field Logic Site, 105 Main Street, Superior, Wisconsin  
WDNR BRRTS Activity #02-16-265898

Dear Mr. Serck:

On July 2, 2009, the Department of Natural Resources' Northern Region Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On July 3, 2009, you were notified that the Closure Committee had granted conditional closure to this case.

On October 21, 2009, the Department received information or documentation indicating that you have complied with the requirements for final closure. We received monitoring well abandonment forms from American Engineering Testing, Inc. (AET), documenting compliance with the conditions contained in our July 3, 2009 letter as well as the notification form sent to the current property owner.

Based on the correspondence and data provided, it appears that your case meets the closure requirements in ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time, however, you and future property owners must comply with certain continuing obligations as explained in this letter.

### GIS Registry

This site will be listed on the Remediation and Redevelopment Program's GIS Registry. The specific reasons are summarized below:

- Before the land use may be changed from industrial to non-industrial, additional environmental work must be completed
- Groundwater contamination is present above the enforcement standards in Chapter NR 140, Wisconsin Administrative Code

This letter and information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If the property is listed on the GIS Registry because of

remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at the web address listed above for the GIS Registry or at <http://dnr.wi.gov/org/water/dwg/3300254.pdf>.

### **Closure Conditions**

Please be aware that pursuant to Section 292.12, Wisconsin Statutes, compliance with the requirements of this letter is a responsibility to which the current property owner and any subsequent property owners must adhere. You must pass on the information about these continuing obligations to the next property owner or owners. If these requirements are not followed or if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, welfare, or the environment, the Department may take enforcement action under s. 292.11, Wis. Stats., to ensure compliance with the specified requirements, limitations or other conditions related to the property or this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code. The Department intends to conduct inspections in the future to ensure that the conditions included in this letter are met.

### **Industrial Residual Soil Standards**

Soil samples that are representative of remaining soil contamination on this property were collected in August 2005 and October 2006; refer to American Engineering Testing's attached Figure No. 2, *Site Layout/Boring Locations*, and Table 1 *Soil Analytical Results* and Table 2 *Soil Analytical Results*. These samples were collected from fill soil scattered across the property. All of the shallow samples contained the polynuclear aromatic hydrocarbon (PAH) compounds benzo(a)anthracene, benzo(a)pyrene and benzo(b)fluoranthene in concentrations that meet the site-specific industrial soil standards developed for this site. Arsenic was also detected in the samples collected in the area west of the parking lot at concentrations exceeding the non-industrial and industrial soil standards found in Table 2 of s. NR 720.11, Wis. Adm. Code; however, these concentrations are thought to be representative of background concentrations. Please refer to the attached *Figure No. 7, Soil Contamination Contour Map* for arsenic exceedance locations.

Therefore, pursuant to s. NR 726.05(8)(b)1., Wis. Adm. Code, this property may not be used or developed for a residential, commercial, agricultural or other non-industrial use, unless (at the time that the non-industrial use is proposed) the property owner provides notification to the Department of Natural Resources of the change in land use and an investigation is conducted, to determine the degree and extent of PAH contamination that remains on the property, and remedial action is taken as necessary to meet all applicable non-industrial soil cleanup standards. If soil in the specific locations as shown on the attached maps and described above is excavated in the future, then pursuant to ch. NR 718, Wis. Adm. Code, or, if applicable, ch. 289, Stats., and chs. 500 to 536, Wis. Adm. Code, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

### Residual Groundwater Contamination

Groundwater impacted by arsenic contamination greater than enforcement standards set forth in ch. NR 140, Wis. Adm. Code, is present on this contaminated property as indicated on the attached Figure No. 8, Groundwater Isoconcentration Map. For more detailed information regarding the locations where groundwater samples have been collected (i.e., monitoring well locations) and the associated contaminant concentrations, refer to the Remediation and Redevelopment Program's GIS Registry at the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

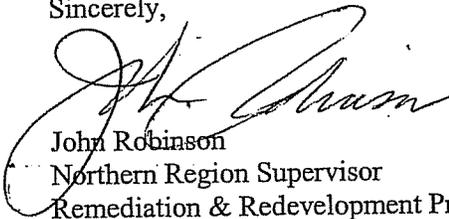
### Post-Closure Notification Requirements

In accordance with ss. 292.12 and 292.13, Wis. Stats., you must notify the Department before making changes that affect or relate to the conditions of closure in this letter. For this case, examples of changed conditions requiring prior notification include, but are not limited to development, construction or other changes, including zoning changes, that change the land use from industrial to non-industrial.

Please send written notifications in accordance with the above requirements to the attention of the RR Program Environmental Program Associate at the Northern Region Headquarters office at the address listed in the letterhead.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Chris Saari at 715-685-2920 or by e-mail at [Christopher.Saari@Wisconsin.gov](mailto:Christopher.Saari@Wisconsin.gov).

Sincerely,

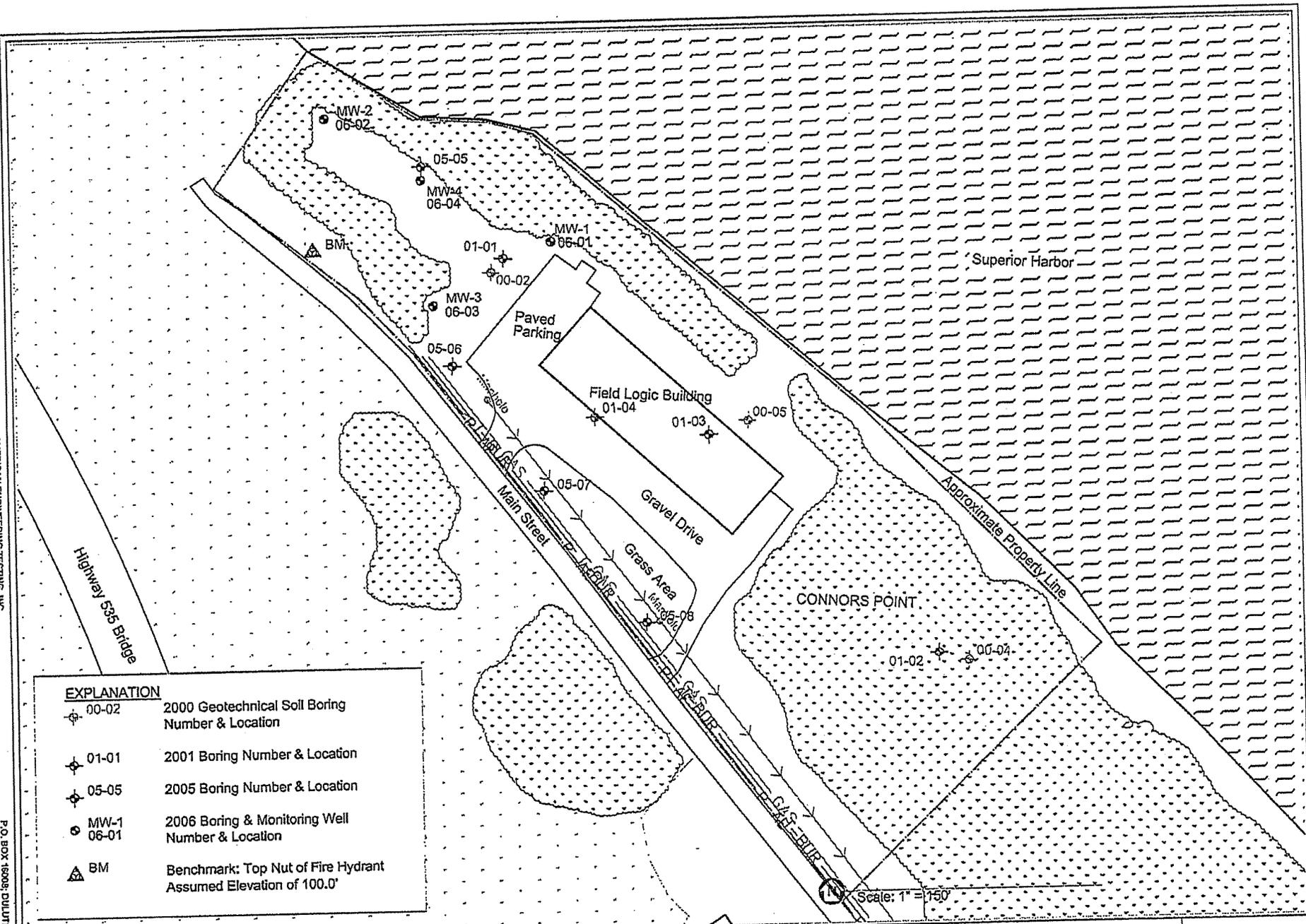


John Robinson  
Northern Region Supervisor  
Remediation & Redevelopment Program

Attach. Figure No. 2, *Site Layout/Boring Locations*  
Table 1 *Soil Analytical Results*  
Table 2 *Soil Analytical Results*  
Figure No. 7, *Soil Contamination Contour Map*  
Figure No. 8, *Groundwater Isoconcentration Map*

cc: Mr. Larry Pulkrabek  
Field Logic, Inc.  
105 Main St  
Superior, WI 54880

Mr. Dan Allison  
American Engineering Testing, Inc.  
PO Box 16008  
Duluth, MN 55816



EXPLANATION	
	00-02 2000 Geotechnical Soil Boring Number & Location
	01-01 2001 Boring Number & Location
	05-05 2005 Boring Number & Location
	MW-1 2006 Boring & Monitoring Well Number & Location
	BM Benchmark: Top Nut of Fire Hydrant Assumed Elevation of 100.0'

2

PROJECT NO.	07-01278.2
ALTERED BY:	DWA
CHECKED BY:	
DATE:	10/09/07

SITE LAYOUT / BORING LOCATIONS

CONNORS POINT / FIELD LOGIC  
 105 Main Street  
 Superior, Wisconsin



AMERICAN  
ENGINEERING  
TESTING, INC.

TABLE 1  
 SOIL ANALYTICAL RESULTS  
 CONNORS POINT / FIELD LOGIC  
 SUPERIOR, WISCONSIN  
 AET Job # 07-01278.2

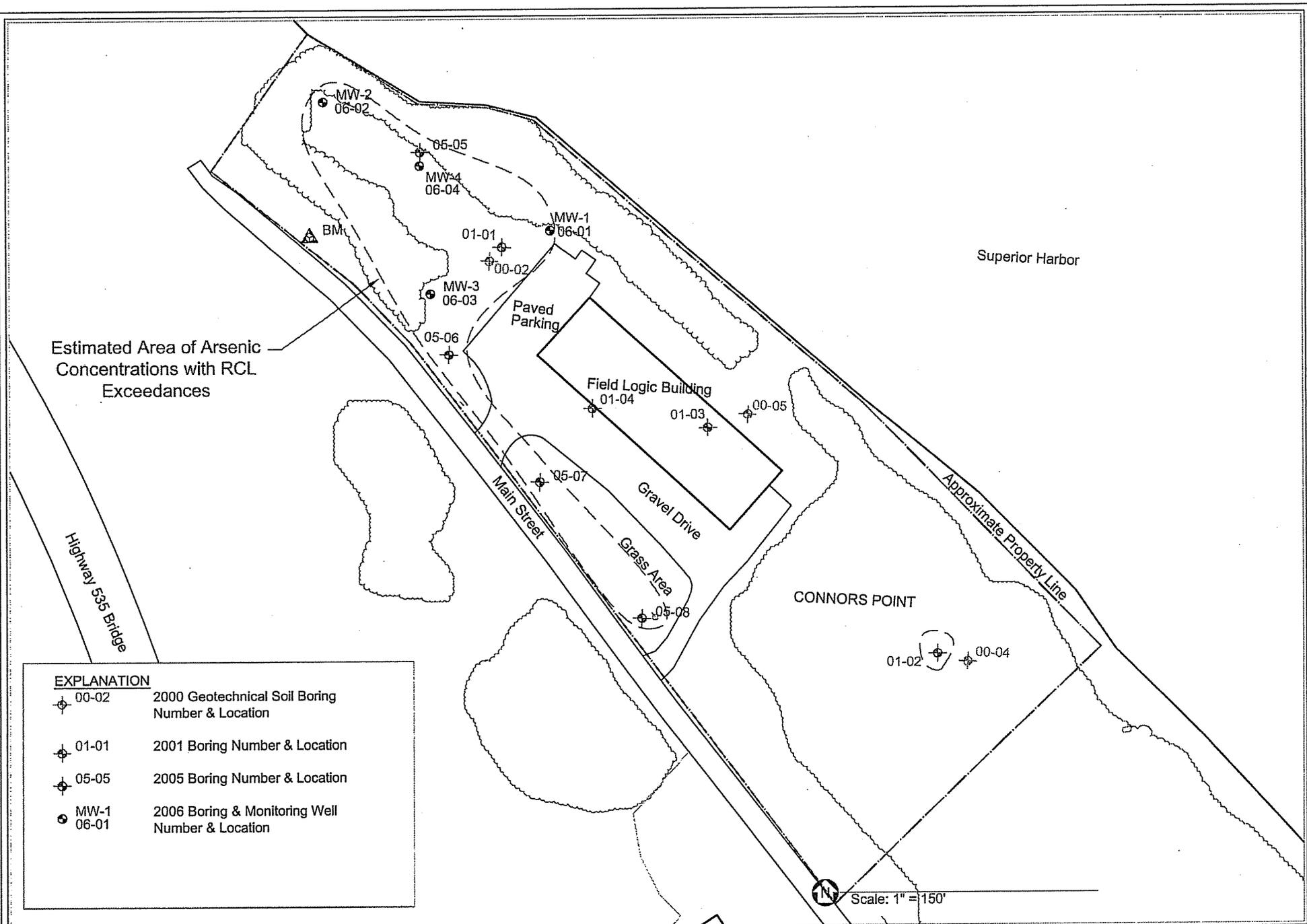
Parameter	Date Sampled	Soil Boring Number and Sample Depth				s. NR 720 SRCLs Industrial mg/kg	s. NR 720.11 (S) RCLs Non- Industrial mg/kg	s. NR 720.11 (S) RCLs Industrial mg/kg
		05-05 4' - 6'	05-06 2' - 4'	05-07 2' - 4'	05-08 2' - 4'			
		mg/kg	mg/kg	mg/kg	mg/kg			
Field Screening (ppm)	08/04/05	0.4	0.6	0.6	0.6	na	na	na
<b>Metals</b>								
Arsenic	08/29/04	4.6	2.6	2.7	2.6	nl	0.039	1.6
Barium	08/29/04	30	18	34	30	nl	nl	nl
Cadmium	08/29/04	<0.047	<0.041	<0.041	<0.041	nl	8	510
Chromium	08/29/04	8.7	8.3	8.1	7.8	nl	14	200
Lead	08/29/04	68	17	38	66	nl	50	500
Mercury	08/29/04	0.029	0.015	0.074	0.13	nl	nl	nl
Selenium	08/29/04	2.2	<0.29	<0.29	<0.29	nl	nl	nl
Silver	08/29/04	<0.13	<0.12	<0.12	<0.12	nl	nl	nl
<b>PAHs</b>								
1-Methylnaphthalene	08/29/04	0.23	0.024	0.075	0.047	70,000	nl	nl
2-Methylnaphthalene	08/29/04	0.023	0.034	0.090	0.06	40,000	nl	nl
Acenaphthene	08/29/04	0.049	<0.0031	0.013	0.0092	60,000	nl	nl
Acenaphthylene	08/29/04	0.13	<0.0031	0.064	0.016	360.0	nl	nl
Anthracene	08/29/04	0.13	0.0091	0.068	0.041	300,000	nl	nl
Benzo(a)anthracene	08/29/04	0.33	0.03	0.27	0.15	3.9	nl	nl
Benzo(a)pyrene	08/29/04	0.5	0.031	0.32	0.16	0.39	nl	nl
Benzo(b)fluoranthene	08/29/04	0.49	0.038	0.31	0.16	3.9	nl	nl
Benzo(ghi)perylene	08/29/04	0.29	0.024	0.11	0.064	39	nl	nl
Benzo(k)fluoranthene	08/29/04	0.49	0.03	0.29	0.16	39	nl	nl
Chrysene	08/29/04	0.56	0.04	0.3	0.17	390	nl	nl
Dibenz(a,h)anthracene	08/29/04	0.61	0.0064	0.038	0.022	0.39	nl	nl
Fluoranthene	08/29/04	1.4	0.051	0.53	0.27	40,000	nl	nl
Fluorene	08/29/04	0.082	<0.0036	0.02	0.011	40,000	nl	nl
Ideno(1,2,3-cd)pyrene	08/29/04	0.34	<0.0026	0.14	0.08	3.9	nl	nl
Naphthalene	08/29/04	0.28	0.026	0.08	0.051	110	nl	nl
Phenanthrene	08/29/04	1.4	0.048	0.38	0.17	390	nl	nl
Pyrene	08/29/04	1.2	0.039	0.48	0.23	30,000	nl	nl

Notes:  
 mg/kg = Milligrams per kilogram which is equivalent to parts per million (ppm).  
 SSL = Soil Screening Level  
 RCL = Residual Contaminant Level  
 SRCL = Suggested Residual Contaminant Level  
 PAHs = Polyaromatic Hydrocarbons  
 nl = not listed  
 na = not applicable  
 61 = bold number indicates value exceeds RCL or SRCL for that compound

TABLE 2  
SOIL ANALYTICAL RESULTS  
CONNORS POINT / FIELD LOGIC  
AET Job # 07-01278.2

Parameter	Date Sampled	Soil Boring Number and Sample Depth						s. NR 720 SRCLs Industrial mg/kg	s. NR 720.11 (5) RCLs Non-Industrial mg/kg	s. NR 720.11 (5) RCLs Industrial mg/kg
		06-01	06-01	06-02	06-02	06-03	06-03			
		0' - 2' mg/kg	4.5' - 6.5' mg/kg	2' - 4' mg/kg	7' - 9' mg/kg	0' - 2' mg/kg	7' - 9' mg/kg			
Field Screening (ppm)	10/27/07	1.1	1.7	2.8	2.2	2.5	2.3	na	na	na
Metals										
Arsenic	10/27/07	4.3	5.4	4.9	3.2	2.6	2.2	nl	0.039	1.6
Barium	10/27/07	69	28	120	7.9	30	7.7	nl	nl	nl
Cadmium	10/27/07	0.63	0.12	0.74	<0.064	0.21	0.094	nl	8	510
Chromium	10/27/07	27	9.2	26	11	12	6.9	nl	14	200
Lead	10/27/07	24	7.4	34	2.8	10	1.6	nl	50	500
Mercury	10/27/07	0.15	0.066	0.087	<0.0019	0.049	<0.0019	nl	nl	nl
Selenium	10/27/07	<1.0	1.6	<1.0	<1.0	<0.87	<1.0	nl	nl	nl
Silver	10/27/07	<0.30	<0.38	<0.30	<0.30	<0.26	<0.30	nl	nl	nl
PAHs										
1-Methylnaphthalene	10/27/07	0.032	0.034	0.031	<0.0038	0.052	<0.0037	70,000	nl	nl
2-Methylnaphthalene	10/27/07	0.047	0.039	0.042	<0.0040	0.076	<0.0039	40,000	nl	nl
Acenaphthene	10/27/07	<0.0038	<0.0047	0.015	<0.0038	0.012	<0.0037	60,000	nl	nl
Acenaphthylene	10/27/07	0.0094	0.0057	0.0076	<0.0037	0.014	<0.0036	360.0	nl	nl
Anthracene	10/27/07	0.018	0.016	0.015	<0.0045	0.054	<0.0044	300,000	nl	nl
Benzo(a)anthracene	10/27/07	0.057	0.071	0.047	<0.0067	0.11	<0.0065	3.9	nl	nl
Benzo(a)pyrene	10/27/07	0.072	0.063	0.048	<0.0036	0.12	<0.0035	0.39	nl	nl
Benzo(b)fluoranthene	10/27/07	0.073	0.066	0.047	<0.0036	0.14	<0.0035	3.9	nl	nl
Benzo(ghi)perylene	10/27/07	0.036	0.029	0.023	<0.0045	0.054	<0.0044	39	nl	nl
Benzo(k)fluoranthene	10/27/07	0.055	0.059	0.043	<0.0039	11	<0.0038	39	nl	nl
Chrysene	10/27/07	0.066	0.072	0.054	<0.0055	13	<0.0054	390	nl	nl
Dibenz(a,h)anthracene	10/27/07	0.01	0.011	0.0079	<0.0035	0.018	<0.0034	0.39	nl	nl
Fluoranthene	10/27/07	0.09	0.082	0.082	<0.0037	0.29	<0.0036	40,000	nl	nl
Fluorene	10/27/07	0.0049	<0.0054	0.013	<0.0043	0.017	<0.0042	40,000	nl	nl
Indeno(1,2,3-cd)pyrene	10/27/07	0.028	0.03	0.02	<0.0032	0.052	<0.0031	3.9	nl	nl
Naphthalene	10/27/07	0.046	0.032	0.042	<0.0051	0.065	<0.0049	110	nl	nl
Phenanthrene	10/27/07	0.057	0.06	0.059	<0.0037	0.22	<0.0036	390	nl	nl
Pyrene	10/27/07	0.081	0.074	0.067	<0.0031	0.21	<0.0030	30,000	nl	nl

Notes:  
mg/kg = Milligrams per kilogram which is equivalent to parts per million (ppm).  
SSL = Soil Screening Level  
RCL = Residual Contaminant Level  
SRCL = Suggested Residual Contaminant Level  
PAHs = Polycyclic Aromatic Hydrocarbons  
nl = not listed  
na = not applicable  
61 = bold number indicates value exceeds RCL or SRCL for that compound



Estimated Area of Arsenic Concentrations with RCL Exceedances

Highway 535 Bridge

Superior Harbor

Main Street

Paved Parking

Field Logic Building

Gravel Drive

Grass Area

Approximate Property Line

CONNORS POINT

**EXPLANATION**

- ⊕ 00-02 2000 Geotechnical Soil Boring Number & Location
- ⊕ 01-01 2001 Boring Number & Location
- ⊕ 05-05 2005 Boring Number & Location
- ⊙ MW-1 2006 Boring & Monitoring Well Number & Location

Scale: 1" = 150'

7

PROJECT NO.	07-01278.2
ALTERED BY:	DWA
CHECKED BY:	
DATE:	06/03/08

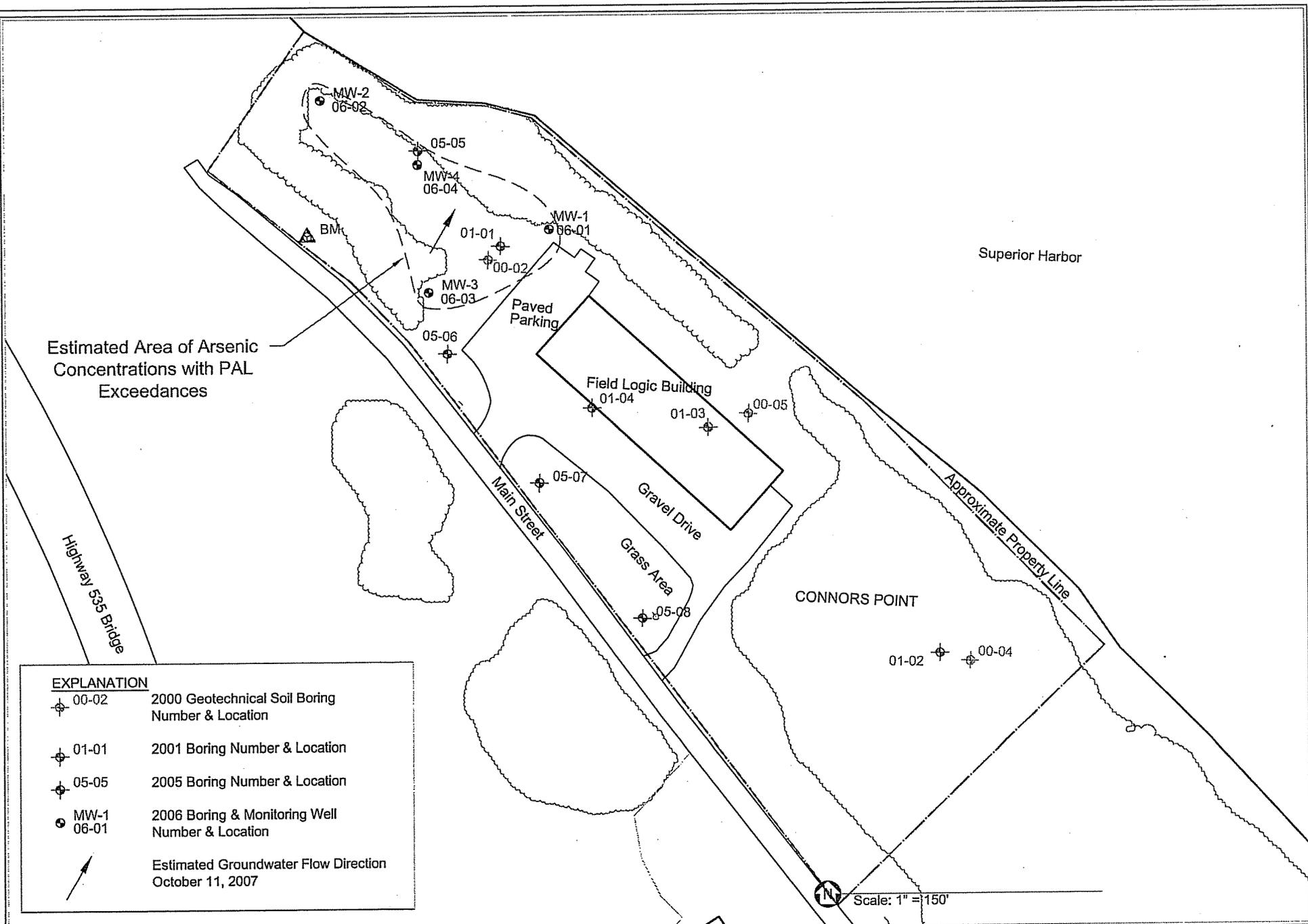
**SOIL CONTAMINATION CONTOUR MAP**

**CONNORS POINT / FIELD LOGIC**

105 Main Street  
Superior, Wisconsin



AMERICAN ENGINEERING TESTING, INC.



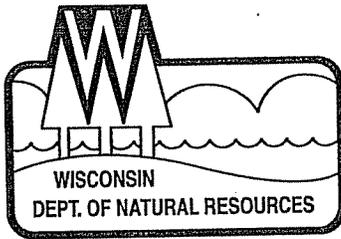
EXPLANATION	
	00-02 2000 Geotechnical Soil Boring Number & Location
	01-01 2001 Boring Number & Location
	05-05 2005 Boring Number & Location
	MW-1 06-01 2006 Boring & Monitoring Well Number & Location
	Estimated Groundwater Flow Direction October 11, 2007

	PROJECT NO.	07-01278.2
	ALTERED BY:	DWA
	CHECKED BY:	
	DATE:	06/03/08

**GROUNDWATER  
ISOCONCENTRATION MAP**

**CONNORS POINT / FIELD LOGIC**  
105 Main Street  
Superior, Wisconsin





State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Matthew J. Frank, Secretary  
John Gozdziwski, Regional Director

Northern Region Headquarters  
107 Sutliff Avenue  
Rhineland, Wisconsin 54501-3349  
Telephone 715-365-8900  
FAX 715-365-8932  
TTY Access via relay - 711

November 2, 2009

MR LARRY PULKRABEK  
FIELD LOGIC INC  
105 MAIN ST  
SUPERIOR WI 54880

SUBJECT: Continuing Obligations and Property Owner Requirements for 105 Main Street,  
Superior, Wisconsin  
Parcel Identification Numbers: 03-803-01057-00; 03-803-01061-00; 03-803-01061-  
01; 03-803-01063-00; 03-803-01067-00  
Final Case Closure for Connors Point – Field Logic Site, 105 Main Street, Superior,  
Wisconsin  
WDNR BRRTS Activity #02-16-265898

Dear Mr. Pulkrabek:

The purpose of this letter is to notify you that certain continuing obligations apply to the property at 105 Main Street, (referred to in this letter as the "Property") due to contamination remaining on the Property. The continuing obligations are part of the cleanup and case closure approved for the above referenced case. The continuing obligations that apply to the Property are stated as conditions in the attached closure approval letter, and are consistent with s. 292.12, Wis. Stats., and ch. NR 700, Wis. Adm. Code, rule series. They are meant to limit exposure to any remaining environmental contamination at the Property. These continuing obligations will also apply to future owners of the Property, until the conditions no longer exist at the Property.

It is common for properties with approved cleanups to have continuing obligations as part of cleanup/closure approvals. Information on continuing obligations on properties is shown on the internet at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. Further information about the closure and residual contamination for this site can be located at <http://dnr.wi.gov/org/aw/rr/clean.htm>.

The Department reviewed and approved the case closure request regarding the polynuclear aromatic hydrocarbons (PAH) and arsenic in soil and groundwater at this site, based on the information submitted by American Engineering Testing, Inc. As required by state law, you received notification about the requested closure from the person conducting the cleanup. No further investigation or cleanup is required at this time. However, the closure decision is conditioned on the long-term compliance with certain continuing obligations, as described below.

**Continuing Obligations Applicable to Your Property**

A number of continuing obligations are described in the attached case closure letter to Mr. Jason Serck, November 2, 2009. However, only the following continuing obligations apply to your Property.

- **Industrial residual soil standards**

Soil samples that are representative of remaining soil contamination on this property were collected in August 2005 and October 2006; refer to American Engineering Testing's attached Figure No. 2, *Site Layout/Boring Locations*, and Table 1 *Soil Analytical Results* and Table 2 *Soil Analytical Results*. These samples were collected from fill soil scattered across the property. All of the shallow samples contained the polynuclear aromatic hydrocarbon (PAH) compounds benzo(a)anthracene, benzo(a)pyrene and benzo(b)fluoranthene in concentrations that meet the site-specific industrial soil standards developed for this site. Arsenic was also detected in the samples collected in the area west of the parking lot at concentrations exceeding the non-industrial and industrial soil standards found in Table 2 of s. NR 720.11, Wis. Adm. Code; however, these concentrations are thought to be representative of background concentrations. Please refer to the attached *Figure No. 7, Soil Contamination Contour Map* for arsenic exceedance locations.

Therefore, pursuant to s. NR 726.05(8)(b)1., Wis. Adm. Code, this property may not be used or developed for a residential, commercial, agricultural or other non-industrial use, unless (at the time that the non-industrial use is proposed) the property owner provides notification to the Department of Natural Resources of the change in land use and an investigation is conducted, to determine the degree and extent of PAH contamination that remains on the property, and remedial action is taken as necessary to meet all applicable non-industrial soil cleanup standards. If soil in the specific locations as shown on the attached maps and described above is excavated in the future, then pursuant to ch. NR 718, Wis. Adm. Code, or, if applicable, ch. 289, Stats., and chs. 500 to 536, Wis. Adm. Code, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

- **Residual groundwater contamination**

- Groundwater impacted by arsenic contamination greater than enforcement standards set forth in ch. NR 140, Wis. Adm. Code, is present on this contaminated property as indicated on the attached Figure No. 8, Groundwater Isoconcentration Map. For more detailed information regarding the locations where groundwater samples have been collected (i.e., monitoring well locations) and the associated contaminant concentrations, refer to the Remediation and Redevelopment Program's GIS Registry at the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

### **GIS Registry – Well Construction Approval Needed**

Because of the residual soil and groundwater contamination and the continuing obligations, this site, which includes your Property, will be listed on the Department's internet accessible GIS Registry, at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If you intend to construct or reconstruct a well on the Property, you will need to get Department approval in accordance with s. NR 812.09(4) (w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. A well driller can help with this form. This form can be obtained on-line <http://dnr.wi.gov/org/water/dwg/3300254.pdf>. If at some time, all these continuing obligations are fulfilled, and the remaining contamination is either removed or meets applicable standards, you may request the removal of the Property from the GIS Registry.

## Property Owner Responsibilities

The owner (you and any subsequent property owner) of this Property is responsible for compliance with these continuing obligations, pursuant to s. 292.12, Wis. Stats. You are strongly encouraged to pass on the information about these continuing obligations to anyone who purchases this property from you (i.e. pass on this letter). For residential property transactions, you are required to make disclosures under s. 709.02, Wis. Stats. You may have additional obligations to notify buyers of the condition of the property and the continuing obligations set out in this letter and the closure letter.

Please be aware that failure to comply with the continuing obligations may result in enforcement action by the Department. The Department intends to conduct inspections in the future to ensure that the conditions included in this letter, including compliance with referenced maintenance plans, are met.

These responsibilities are the property owner's. A property owner may enter into a legally binding agreement (such as a contract) with someone else (the person responsible for the cleanup) to take responsibility for compliance with the continuing obligations. If the person with whom any property owner has an agreement fails to adequately comply with the appropriate continuing obligations, the Department has the authority to require the property owner to complete the necessary work.

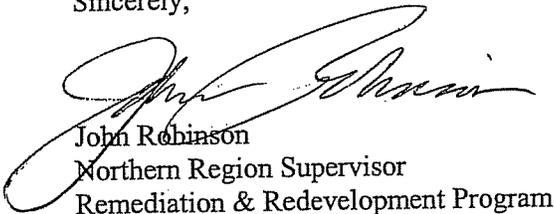
A legal agreement between you and another party to carry out any of the continuing obligations listed in this letter does not automatically transfer to a new owner of the property. If a subsequent property owner cannot negotiate a new agreement, the responsibility for compliance with the applicable continuing obligations resides with that Property owner.

When maintenance of a continuing obligation is required, the Property owner is responsible for inspections, repairs, or replacements as needed. Such actions should be documented by the Property owner and the records kept accessible for the Department to review for as long as the Department directs.

You and any subsequent Property owners are responsible for notifying the Department, and obtaining approval, before making any changes to the property that would affect the obligations applied to the Property. Send all written notifications in accordance with the above requirements to the Northern Region Headquarters at the address listed in the letterhead above, to the attention of the RR Program Environmental Program Associate.

The Department appreciates your efforts. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Chris Saari at 715-685-2920, or by e-mail at Christopher.Saari@Wisconsin.gov.

Sincerely,



John Robinson  
Northern Region Supervisor  
Remediation & Redevelopment Program

Attach.      Final closure letter addressed to Mr. Jason Serck  
                 Figure No. 2, *Site Layout/Boring Locations*  
                 Table 1 *Soil Analytical Results*  
                 Table 2 *Soil Analytical Results*  
                 Figure No. 7, *Soil Contamination Contour Map*

Figure No. 8, Groundwater Isoconcentration Map

Enclosure: RR 819 – Continuing Obligations Fact Sheet

cc: Mr. Jason Serck  
Planning and Port Director  
City of Superior  
1316 N 13<sup>th</sup> St  
Superior, WI 54880

Mr. Dan Allison  
American Engineering Testing, Inc.  
PO Box 16008  
Duluth, MN 55816



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Matthew J. Frank, Secretary  
John Gozdzialski, Regional Director

Ashland Service Center  
2501 Golf Course Road  
Ashland, Wisconsin 54806  
Telephone 715-685-2900  
FAX 715-685-2909

July 3, 2009

FILE COPY

MR JASON SERCK  
PLANNING AND PORT DIRECTOR  
CITY OF SUPERIOR  
1316 N 13<sup>TH</sup> ST  
SUPERIOR WI 54880

Subject: Conditional Closure Decision With Requirements to Achieve Final Closure  
Connors Point/Field Logic Site, 105 Main Street, Superior, Wisconsin  
WDNR BRRTS Activity #02-16-265898

Dear Mr. Serck:

On July 2, 2009, the Department of Natural Resources' Northern Region Closure Committee reviewed your request for closure of the case described above. The Northern Region Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Closure Committee has determined that the contamination on the site from the former usage of the property for coal storage appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

**MONITORING WELL ABANDONMENT**

The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to me at the address above, utilizing Form 3300-005, which can be found at <http://dnr.wi.gov/org/water/dwg/gw/> or provided by the Department of Natural Resources.

**PURGE WATER, WASTE AND SOIL PILE REMOVAL**

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

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

Mr. Jason Serck – July 3, 2009  
Page 2

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

We appreciate your efforts to restore the environment at this site. If you have any questions concerning this letter or the project in general, please do not hesitate to write or call me at 715-685-2920. I can also be reached by e-mail at Christopher.Saari@Wisconsin.gov.

Sincerely,



Christopher A. Saari  
Hydrogeologist

cc: Daniel Allison – American Engineering Testing, Inc.



727916

EXHIBIT A

A parcel of land within Lots Twelve (12), Thirteen (13), Fourteen (14) and Fifteen (15) of the Plat of Connors Point, as recorded in the Douglas County Register of Deeds office in Volume A of Plats, page 236, City of Superior, Douglas County, Wisconsin, more particularly described as follows:

Commencing at the intersection of the line common to Lots 11 and 12 of said Plat and the centerline of Main Street, as platted; thence on an assigned bearing of North 51° 53' 42" East 401.64 feet, along the line common to said Lots 11 and 12, to the POINT OF BEGINNING; thence North 45° 07' 12" West 103.24 feet; thence North 31° 47' 03" West 80.62 feet; thence North 48° 45' 39" West 321.28 feet; thence North 49° 34' 49" West 463.58 feet; thence North 84° 28' 40" West 101.74 feet; thence North 55° 21' 58" West 208.07 feet; thence South 51° 53' 42" West on a line parallel to and 100.00 feet Southeasterly of the line common to Lots 15 and 16, 149.70 feet to the Northeasterly right-of-way of Main Street, as said Main Street existed on November 27, 2000; thence South 49° 45' 13" East 254.18 feet, along said last cited right-of-way; thence South 44° 29' 27" East 112.22 feet, along said last cited right-of-way, to the Northeasterly right-of-way of Main Street, as platted; thence South 38° 06' 18" East 861.07 feet, along said last cited platted right-of-way, to the line common to said Lots 11 and 12; thence North 51° 53' 42" East 376.64 feet, along the line common to said Lots 11 and 12, to the POINT OF BEGINNING.

Notwithstanding any subsequent changes to the shoreline of Superior Bay of the St. Louis River, no riparian rights shall accrete or accrue to the above-described premises.

G:\APPS\WPS1\RET\Superior\FieldLogic\LegalDesc.wpd  
February 8, 2001 (12:16PM)

Tax codes:  
03-803-01043-00, 03-803-01044-00, 03-803-01045-00, 03-803-01057-00, 03-803-01046-00, 03-803-01047-00, 03-803-01061-00, 03-803-01061-01, 03-803-01052-00 & 03-803-01063-00



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May 12, 2008

Anna Kazda  
Northern Region Headquarters  
Wisconsin Department of Natural Resources  
107 Sutliff Avenue  
Rhineland, WI 54501-0818

Re: Statement of Property Description - Connors POINT / Field Logic Site  
BRRTS Case #02-16-265898

Dear Ms. Kazda:

I, Jason Serck, representing the City of Superior, state that the testing site is within the legal description attached, and is the land in question.

Sincerely,

Jason Serck, AICP  
Planning and Port Director

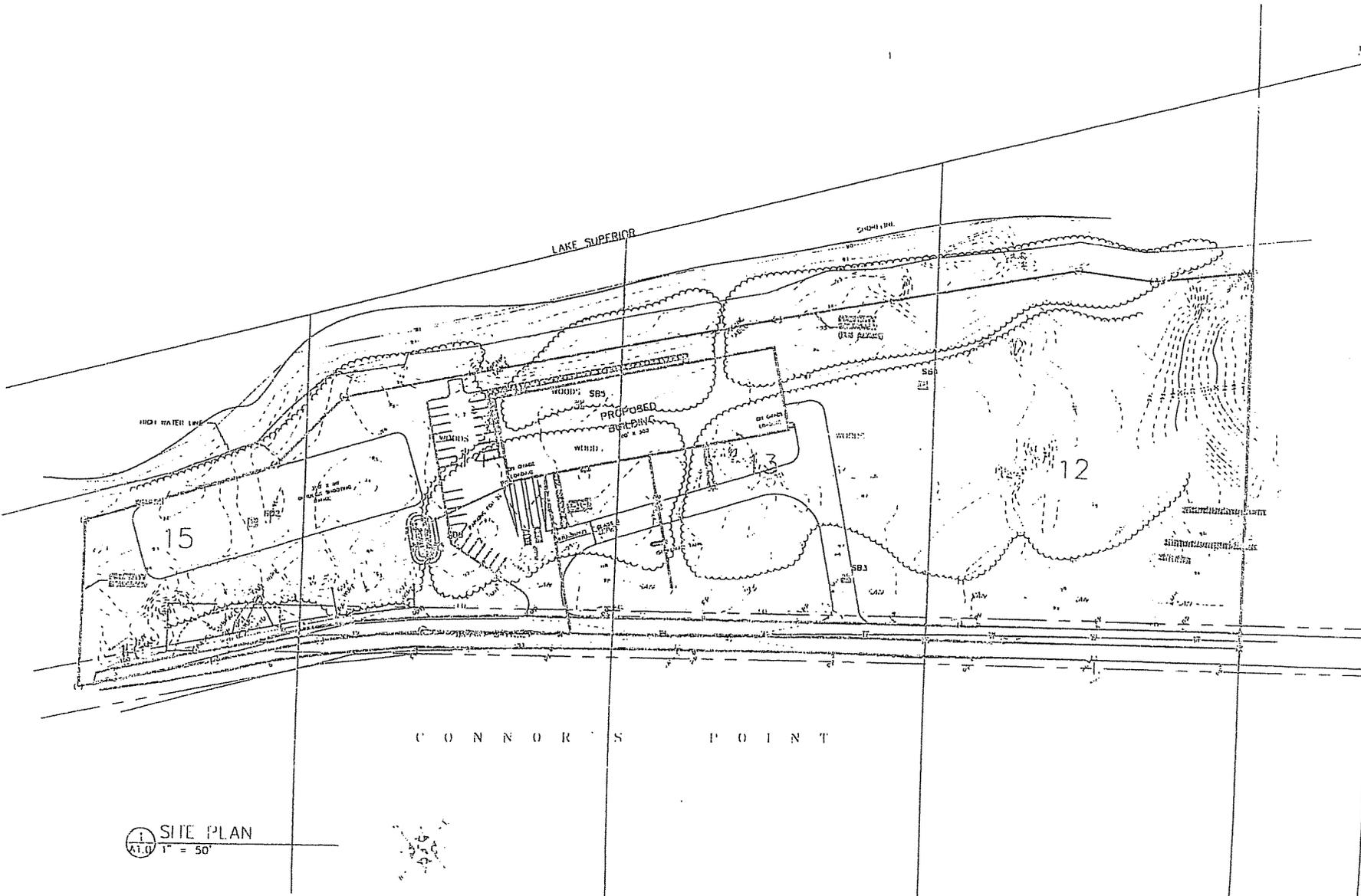
*EXHIBIT A*

DEVELOPMENT PROPERTY LEGAL DESCRIPTION

A parcel of land within Lots Twelve (12), Thirteen (13), Fourteen (14) and Fifteen (15) of the Plat of Connors Point, as recorded in the Douglas County Register of Deeds office in Volume A of Plats, page 236, City of Superior, Douglas County, Wisconsin, more particularly described as follows:

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Notwithstanding any subsequent changes to the shoreline of Superior Bay of the St. Louis River, no riparian rights shall accrete or accrue to the above-described premises.




**SITE PLAN**  
 1" = 50'



**Damborg, Scott & Gerzina-Wagner**  
 ENGINEERS

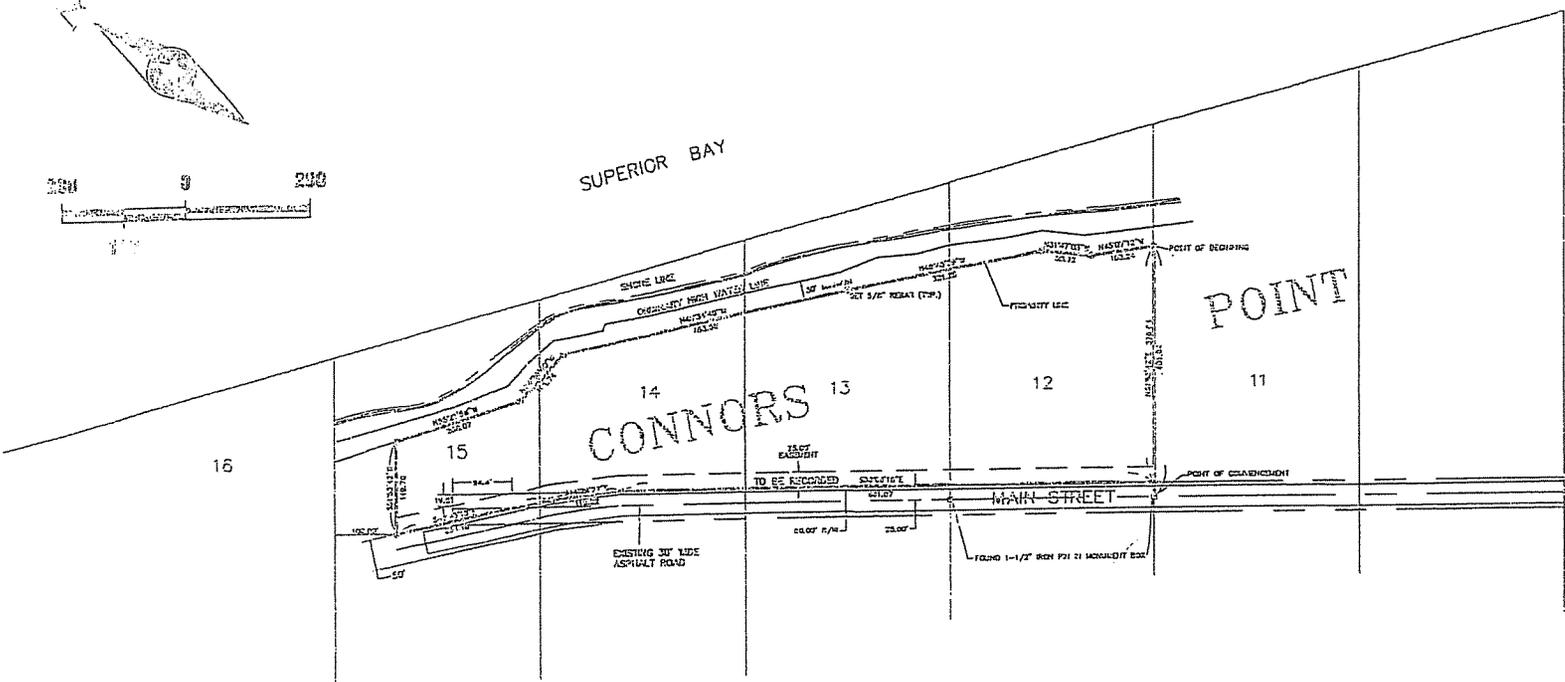
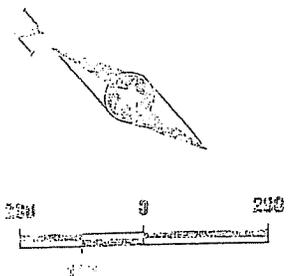
Virginia Smith  
 Grand Rapids  
 Michigan  
 No. 10000

Computer: De Winton  
 Date: 03/20/02  
 Project No: 02-002  
 Scale: 2/20/02  
 Rev: 0

PROPOSED BUILDING FOR  
**FIELD LOGIC, INC.**  
 SUDBURY, WISCONSIN

**SITE PLAN**

**A1.0**



**CERTIFICATE OF SURVEY:**  
 The undersigned, a licensed professional land surveyor, having  
 surveyed to Superior Abstract & Title Company and First American  
 Title Insurance Company that title map to the survey  
 prepared for First Logic, Inc. and dated Nov. 27, 2000,  
 there are no existing easements or complete railroad  
 tracks on said property or shown on the survey.  
 DATED: 4-12-01 2001  
 JOHN J. HENZMANN, S.C.  
 BY: *John J. Henzmann*  
 Licensed Professional Land Surveyor



**DESCRIPTION**

A parcel of land within Lots Twelve (12), Thirteen (13), Fourteen (14) and Fifteen (15) of the Plat of Connors Point, as recorded in the Douglas County Register of Deeds office in Volume A of Plots, page 255, City of Superior, Douglas County, Wisconsin, more particularly described as follows:  
 Commencing at the intersection of the line common to Lots 11 and 12 of said Plat and centerline of Main Street, as platted; thence on an assigned bearing of North 51 degrees 53 minutes 42 seconds East 401.64 feet, along the line common to said Lots 11 and 12, to the POINT OF BEGINNING; thence North 45 degrees 07 minutes 12 seconds West 103.24 feet; thence North 31 degrees 47 minutes 03 seconds West 89.67 feet; thence North 48 degrees 45 minutes 29 seconds West 321.28 feet; thence North 49 degrees 34 minutes 49 seconds West 483.58 feet; thence North 84 degrees 28 minutes 40 seconds West 101.74 feet; thence North 55 degrees 21 minutes 58 seconds West 203.07 feet; thence South 51 degrees 53 minutes 42 seconds West on a line parallel to and 100.00 feet Southeastery of the line common to Lots 15 and 16, 149.70 feet to the Northeastery right-of-way of Main Street, 100.00 feet Southeastery of the line common to Lots 15 and 16, 149.70 feet to the Northeastery right-of-way of Main Street, 254.18 feet, along said Main Street existed on November 27, 2000; thence South 49 degrees 45 minutes 13 seconds East 254.18 feet, along said last cited right-of-way, to the Northeastery right-of-way of Main Street, as platted; thence South 38 degrees 08 minutes 18 seconds East 861.07 feet, along said last cited platted right-of-way, to the line common to said Lots 11 and 12; thence North 51 degrees 53 minutes 42 seconds East 376.64 feet, along the line common to said Lots 11 and 12, to the POINT OF BEGINNING.

Notwithstanding any subsequent changes to the shoreline of Superior Bay of the St. Louis River, no riparian rights shall accrete or accrue to the above-described premises.  
 Subject to Easements of Record.

**EASEMENT**

The Southwesterly 25 feet of the following described premises, cutting Main Street as hereinafter described:  
 A parcel of land within Lots Twelve (12), Thirteen (13), Fourteen (14) and Fifteen (15) of the Plat of Connors Point, as recorded in the Douglas County Register of Deeds office in Volume A of Plots, page 255, City of Superior, Douglas County, Wisconsin, more particularly described as follows:  
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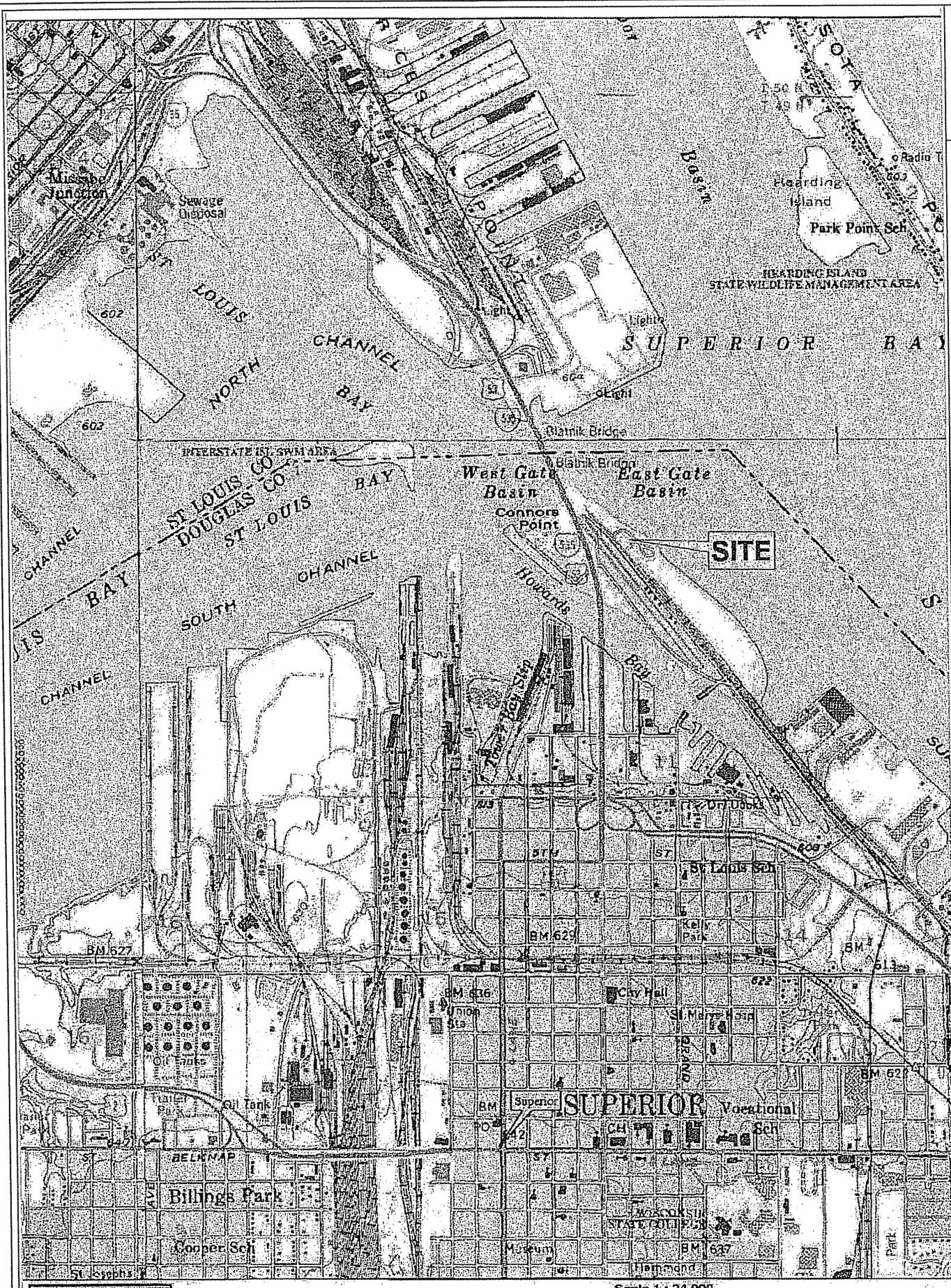
I CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A LICENSED LAND SURVEYOR UNDER LAWS OF THE STATE OF WISCONSIN.  
 JOHN J. HENZMANN, S.C.

4-17-01  
 DATE  
 S-1653  
 NO.

PROPERTY SURVEY AND EASEMENT DESCRIPTION  
 AT FIELD LOGGING SITE-CONNORS POINT

DATE	12-17-00	FILED IN	12-17-01
DRAWN BY	JPH	FILED IN	12-17-01
TITLE	CONNECTION	FILED IN	12-17-01
CHECK BY	JPH	FILED IN	12-17-01

SHEET 1 OF 1



CONNORS POINT / FIELD LOGIC

105 Main Street  
Superior, Wisconsin

SITE LOCATION

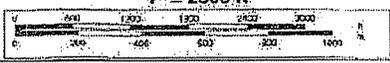
PROJECT NO. 07-01278.2  
 ALTERED BY: DWA  
 CHECKED BY: 10/10/07  
 DATE:  
 FIGURE NO.

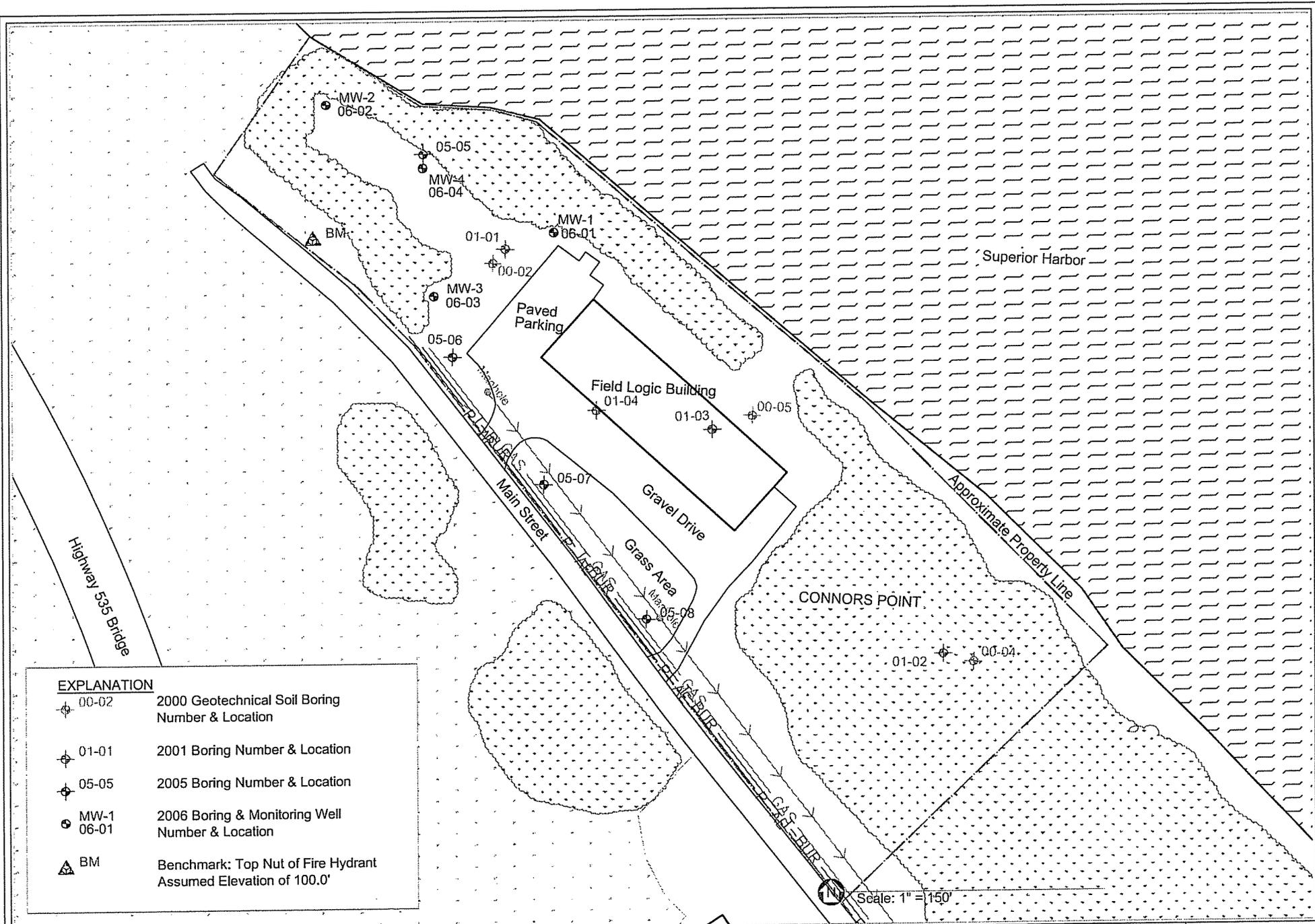
1



© 2002, DeLorme. 3-D TopoQuads®. Data copyright of content owner.  
www.delorme.com

Scale 1" = 24,000 ft  
1" = 2000 ft





EXPLANATION	
	2000 Geotechnical Soil Boring Number & Location
	2001 Boring Number & Location
	2005 Boring Number & Location
	2006 Boring & Monitoring Well Number & Location
	Benchmark: Top Nut of Fire Hydrant Assumed Elevation of 100.0'

Scale: 1" = 150'

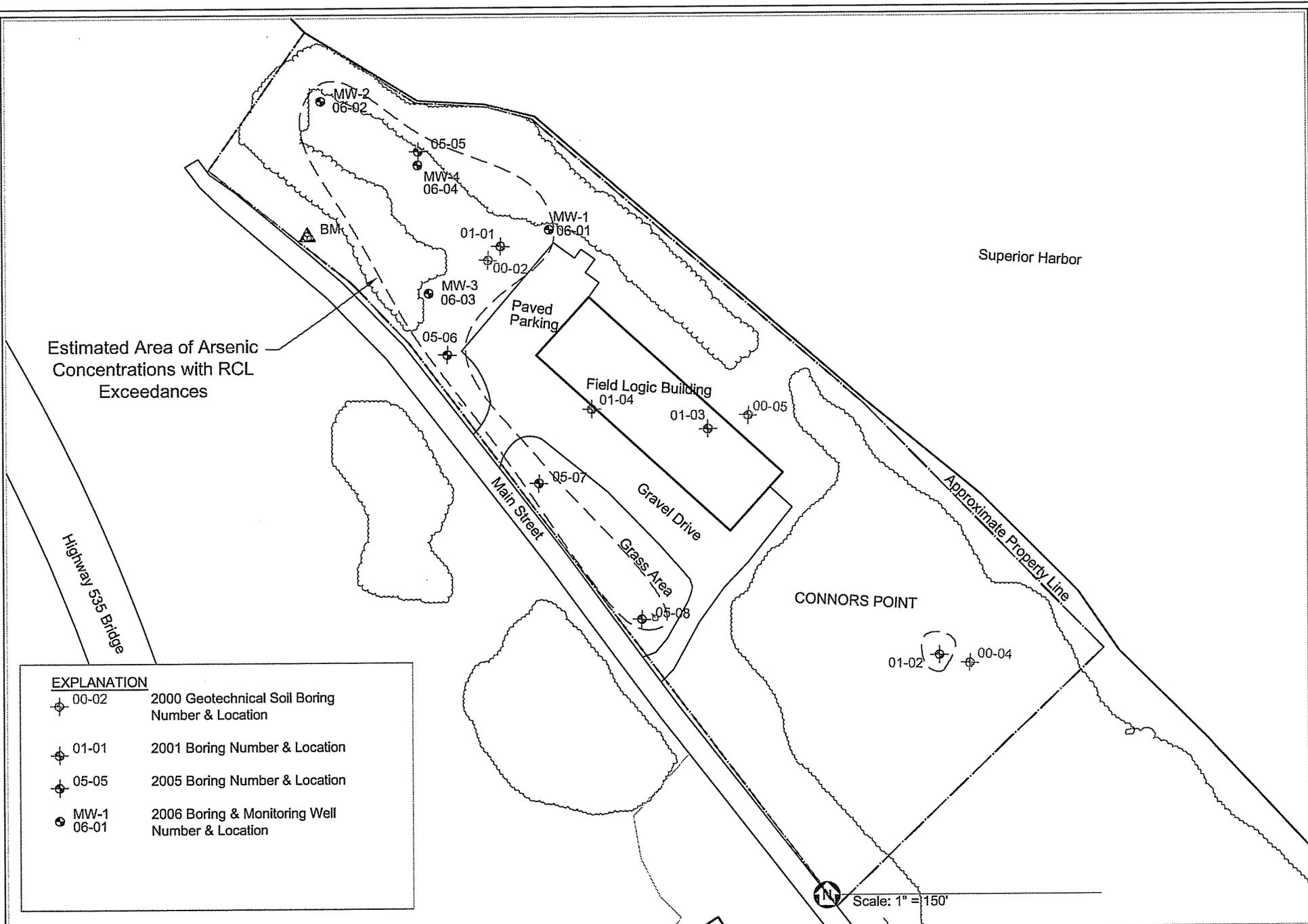
2

PROJECT NO. 07-01278.2  
 ALTERED BY: DWA  
 CHECKED BY:  
 DATE: 10/09/07

SITE LAYOUT / BORING LOCATIONS

CONNORS POINT / FIELD LOGIC  
 105 Main Street  
 Superior, Wisconsin





Estimated Area of Arsenic Concentrations with RCL Exceedances

**EXPLANATION**

- ⊕ 00-02 2000 Geotechnical Soil Boring Number & Location
- ⊕ 01-01 2001 Boring Number & Location
- ⊕ 05-05 2005 Boring Number & Location
- ⊕ MW-1 2006 Boring & Monitoring Well Number & Location

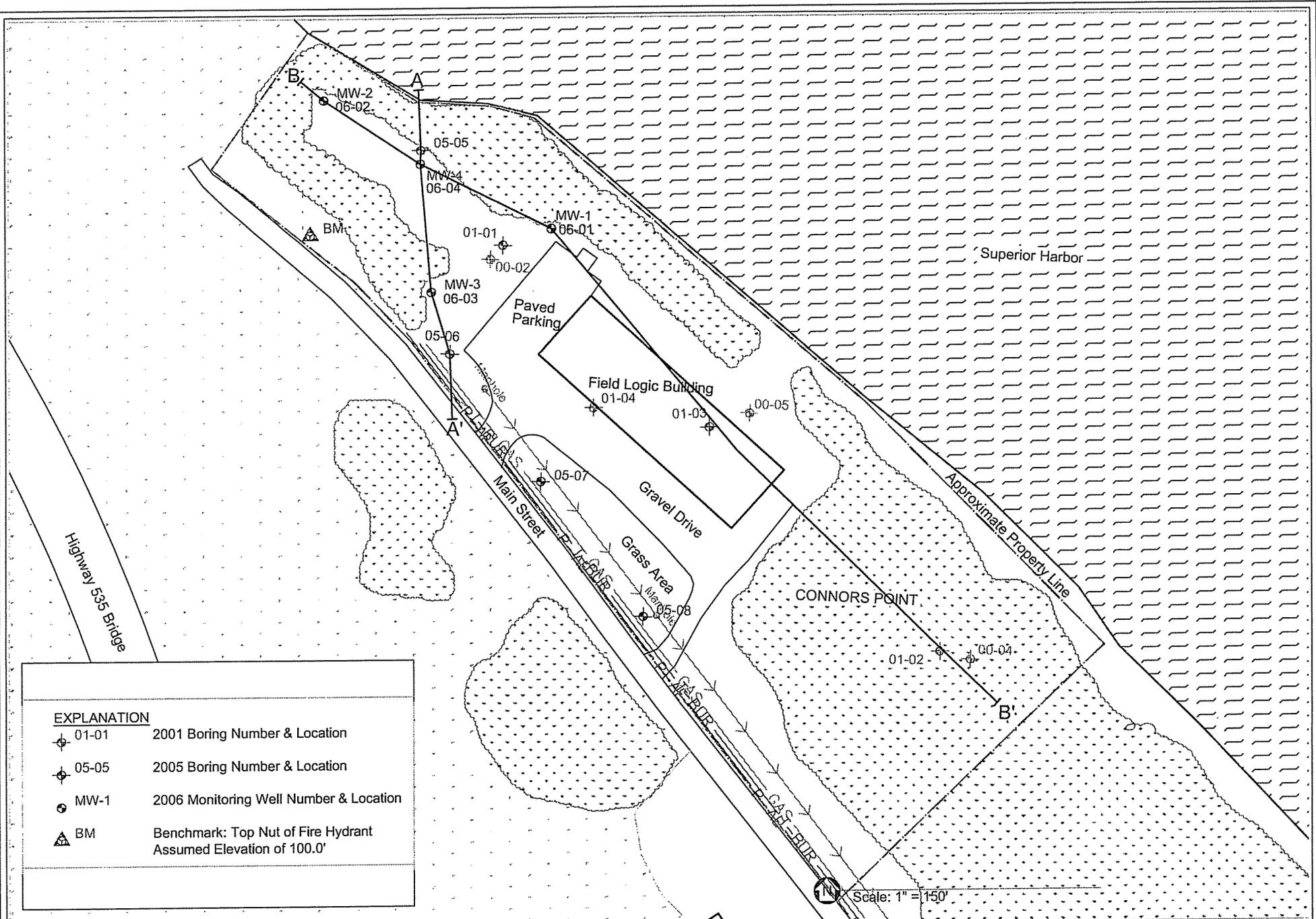
<b>7</b>	PROJECT NO.	07-01278.2
	ALTERED BY:	DWA
	CHECKED BY:	
	DATE:	06/03/08

**SOIL CONTAMINATION CONTOUR MAP**

**CONNORS POINT / FIELD LOGIC**  
105 Main Street  
Superior, Wisconsin



AMERICAN ENGINEERING TESTING, INC.



EXPLANATION	
	01-01 2001 Boring Number & Location
	05-05 2005 Boring Number & Location
	MW-1 2006 Monitoring Well Number & Location
	BM Benchmark: Top Nut of Fire Hydrant Assumed Elevation of 100.0'

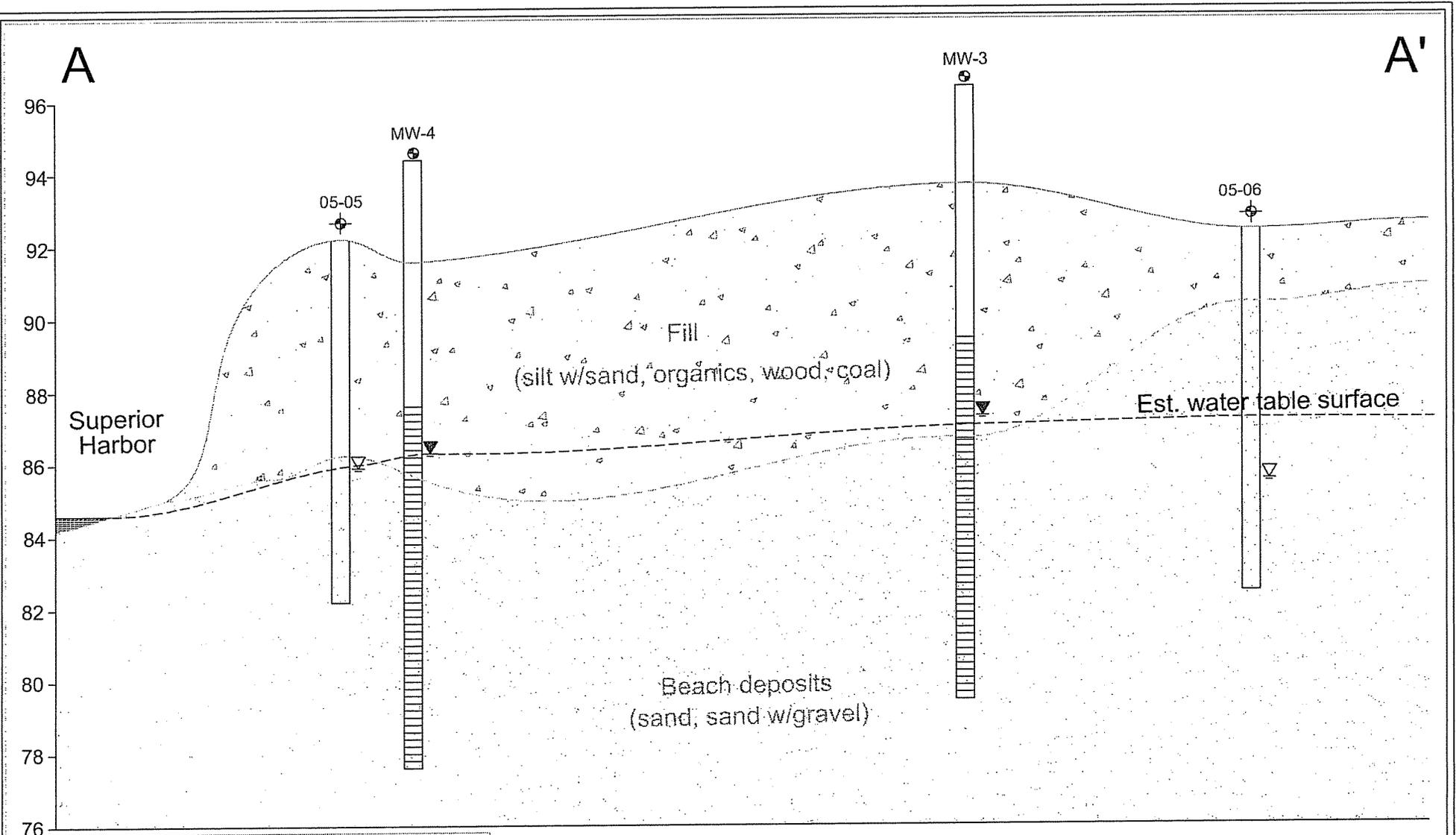
4

PROJECT NO. 07-01278.2  
 ALTERED BY: DWA  
 CHECKED BY:  
 DATE: 10/09/07

### CROSS SECTION TRENDLINES

**CONNORS POINT / FIELD LOGIC**  
 105 Main Street  
 Superior, Wisconsin





EXPLANATION	
⊕ 05-05	Boring Number & Location Ground Surface Elevation
⊙ MW-01	Monitoring Well Number & Location
▽	Ground Water Table Elevation (10/11/07)
▽	Historic Ground Water Table Elevation

Horizontal Scale: 1" = 40'

<b>5</b>	PROJECT NO.	07-01278.2
	ALTERED BY:	DWA
	CHECKED BY:	
	DATE:	10/09/07

CROSS SECTION A-A'

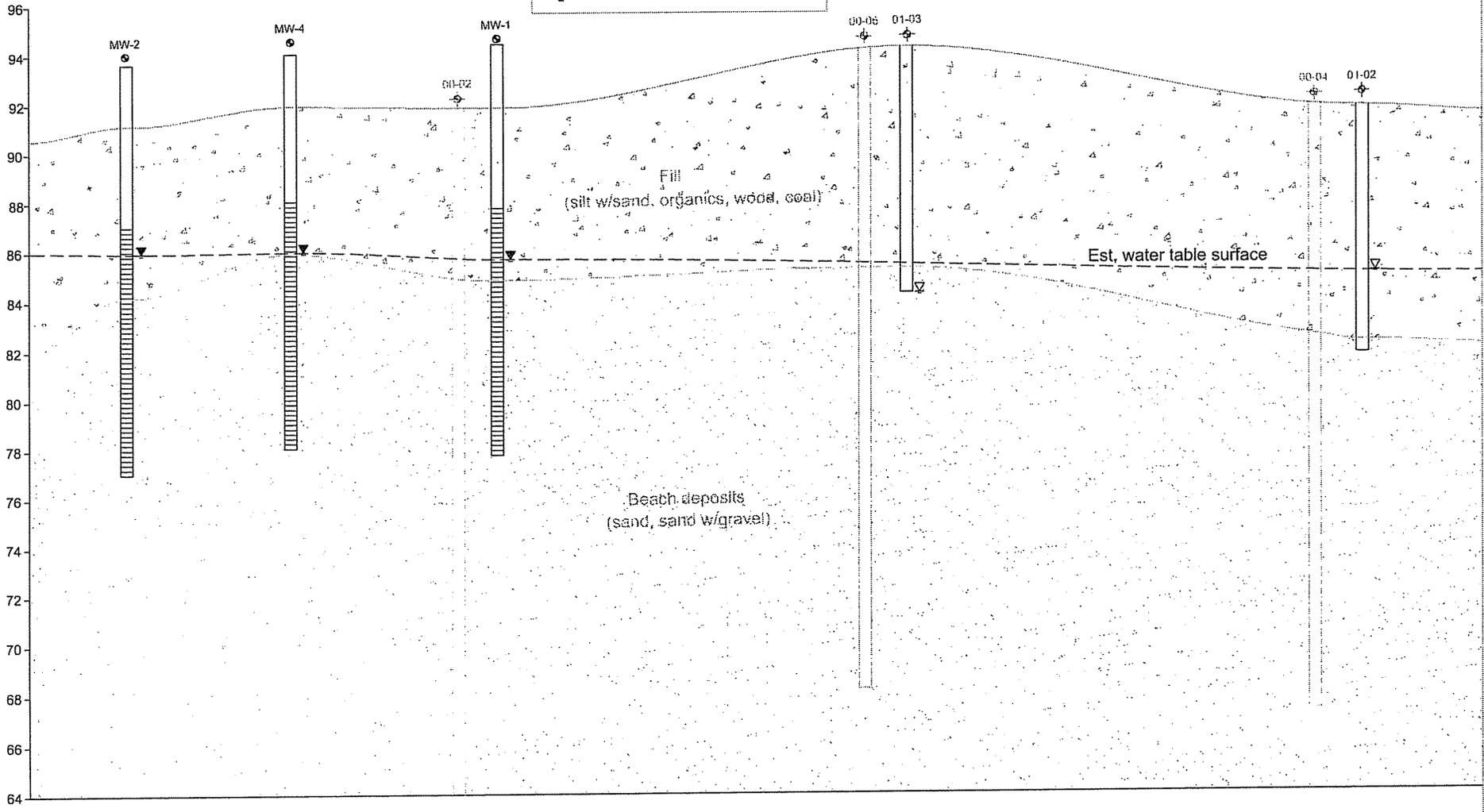
CONNORS POINT / FIELD LOGIC  
 105 Main Street  
 Superior, Wisconsin



B

B'

EXPLANATION	
◆ 05-05	Boring Number & Location Ground Surface Elevation
● MW-03	Monitoring Well Number & Location
▽	Ground Water Table Elevation (10/11/07)
▽	Historic Ground Water Table Elevation



Horizontal Scale: 1" = 80'



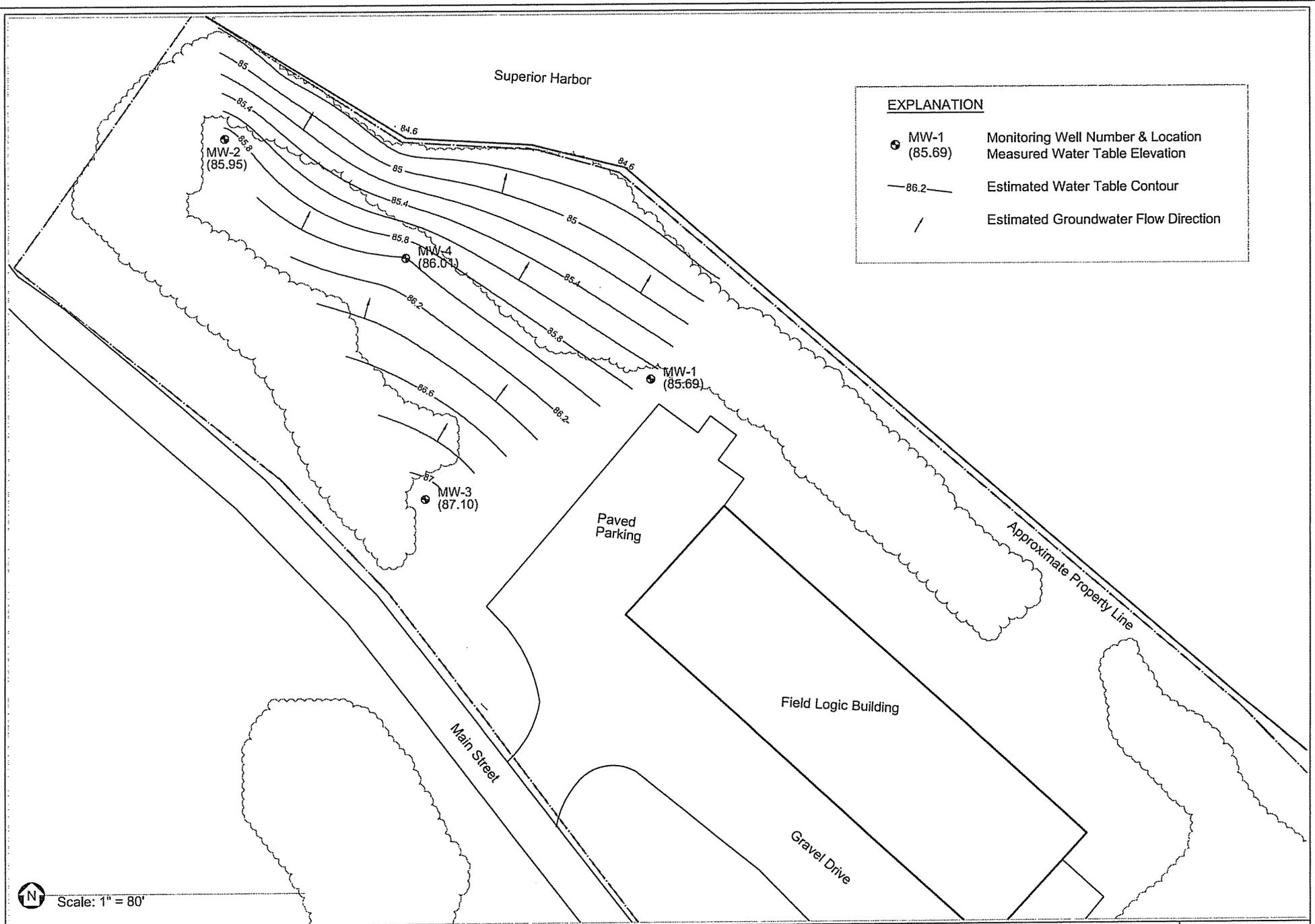
CONNORS POINT / FIELD LOGIC  
105 Main Street  
Superior, Wisconsin

CROSS SECTION B-B'

PROJECT NO. 07-01278.2  
ALTERED BY: DWA  
CHECKED BY: 10/10/07  
DATE

FIGURE NO.

6



**EXPLANATION**

- MW-1 (85.69) Monitoring Well Number & Location Measured Water Table Elevation
- 86.2 — Estimated Water Table Contour
- / Estimated Groundwater Flow Direction

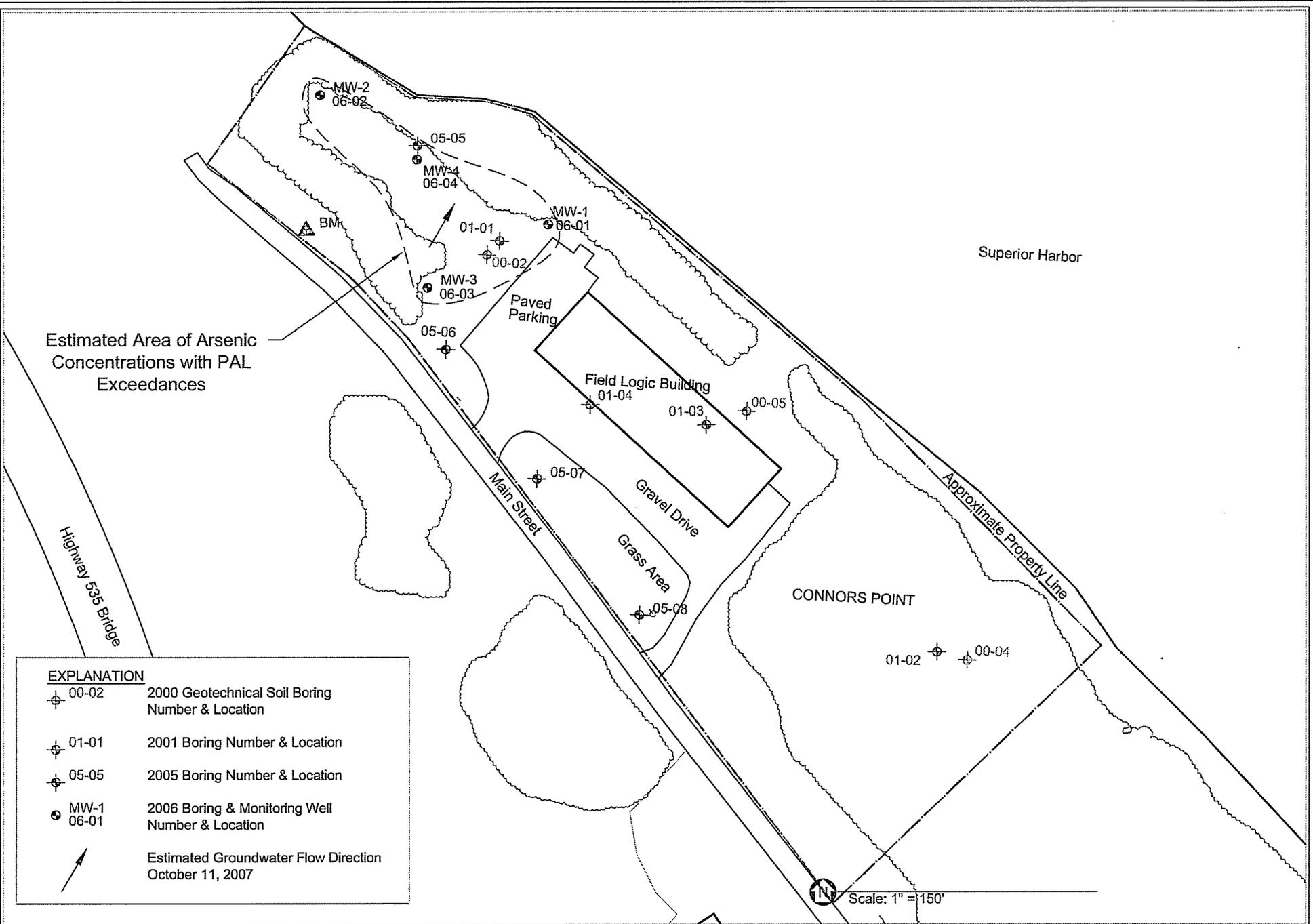
Scale: 1" = 80'

<b>3</b>	FIGURE NO.	PROJECT NO. 07-01278.2
		ALTERED BY: DWA
		CHECKED BY:
		DATE: 10/15/07

**GROUND WATER CONTOUR MAP**

**CONNORS POINT / FIELD LOGIC**  
 105 Main Street  
 Superior, Wisconsin





EXPLANATION	
	2000 Geotechnical Soil Boring Number & Location
	2001 Boring Number & Location
	2005 Boring Number & Location
	2006 Boring & Monitoring Well Number & Location
	Estimated Groundwater Flow Direction October 11, 2007

	PROJECT NO.	07-01278.2
	ALTERED BY:	DWA
	CHECKED BY:	
	DATE:	06/03/08

**GROUNDWATER  
ISOCONCENTRATION MAP**

**CONNORS POINT / FIELD LOGIC**  
105 Main Street  
Superior, Wisconsin



TABLE 1  
GROUND WATER LEVEL MEASUREMENTS  
CONNORS POINT / FIELD LOGIC  
AET Job # 07-01278.2

Well # / WI Unique #	Date	Depth of Water from Top-of-Riser (ft)	Depth of Water Below Grade (ft)	Top-of-Riser Elevation (ft)	Screened Interval Elevation (ft)	Relative Ground Water Elevation (ft)
MW-1 OX352	11/8/2006	9.39	6.89	94.44	77.79 - 87.79	85.05
	2/13/2007	10.41	7.91	94.44	77.79 - 87.79	84.03
	5/8/2007	9.94	7.44	94.44	77.79 - 87.79	84.50
	8/20/2007	9.35	6.85	94.44	77.79 - 87.79	85.09
	10/11/2007	8.75	6.25	94.44	77.79 - 87.79	85.69
MW-2 OX353	11/8/2006	8.25	5.75	93.65	77.03 - 87.03	85.40
	2/13/2007	9.22	6.72	93.65	77.03 - 87.03	84.43
	5/8/2007	8.83	6.33	93.65	77.03 - 87.03	84.82
	8/20/2007	8.23	5.73	93.65	77.03 - 87.03	85.42
	10/11/2007	7.70	5.20	93.65	77.03 - 87.03	85.95
MW-3 OX354	11/8/2006	10.84	8.34	96.20	79.45 - 89.45	85.36
	2/13/2007	11.89	9.39	96.20	79.45 - 89.45	84.31
	5/8/2007	11.31	8.81	96.20	79.45 - 89.45	84.89
	8/20/2007	10.93	8.43	96.20	79.45 - 89.45	85.27
	10/11/2007	9.10	6.60	96.20	79.45 - 89.45	87.10
MW-4 OX355	11/8/2006	8.66	6.16	94.08	78.08 - 88.08	85.42
	2/13/2007	9.68	7.18	94.08	78.08 - 88.08	84.40
	5/8/2007	9.25	6.75	94.08	78.08 - 88.08	84.83
	8/20/2007	8.69	6.19	94.08	78.08 - 88.08	85.39
	10/11/2007	8.07	5.57	94.08	78.08 - 88.08	86.01
Superior Harbor	10/11/2007	na	na	na	na	84.60

TABLE 1  
 SOIL ANALYTICAL RESULTS  
 CONNORS POINT / FIELD LOGIC  
 SUPERIOR, WISCONSIN  
 AET Job # 07-01278.2

Parameter	Date Sampled	Soil Boring Number and Sample Depth				s. NR 720 SRCLs Industrial mg/kg	s. NR 720.11 (5) RCLs Non- Industrial mg/kg	s. NR 720.11 (5) RCLs Industrial mg/kg
		05-05 4' - 6'	05-06 2' - 4'	05-07 2' - 4'	05-08 2' - 4'			
		mg/kg	mg/kg	mg/kg	mg/kg			
Field Screening (ppm)	08/04/05	0.4	0.6	0.6	0.6	na	na	na
<b>Metals</b>								
Arsenic	08/29/04	4.6	2.6	2.7	2.6	nl	0.039	1.6
Barium	08/29/04	30	18	34	30	nl	nl	nl
Cadmium	08/29/04	<0.047	<0.041	<0.041	<0.041	nl	8	510
Chromium	08/29/04	8.7	8.3	8.1	7.8	nl	14	200
Lead	08/29/04	68	17	38	66	nl	50	500
Mercury	08/29/04	0.029	0.015	0.074	0.13	nl	nl	nl
Selenium	08/29/04	2.2	<0.29	<0.29	<0.29	nl	nl	nl
Silver	08/29/04	<0.13	<0.12	<0.12	<0.12	nl	nl	nl
<b>PAHs</b>								
1-Methylnaphthalene	08/29/04	0.23	0.024	0.075	0.047	70,000	nl	nl
2-Methylnaphthalene	08/29/04	0.023	0.034	0.090	0.06	40,000	nl	nl
Acenaphthene	08/29/04	0.049	<0.0031	0.013	0.0092	60,000	nl	nl
Acenaphthylene	08/29/04	0.13	<0.0031	0.064	0.016	360.0	nl	nl
Anthracene	08/29/04	0.13	0.0091	0.068	0.041	300,000	nl	nl
Benzo(a)anthracene	08/29/04	0.33	0.03	0.27	0.15	3.9	nl	nl
Benzo(a)pyrene	08/29/04	0.5	0.031	0.32	0.16	0.39	nl	nl
Benzo(b)fluoranthene	08/29/04	0.49	0.038	0.31	0.16	3.9	nl	nl
Benzo(ghi)perylene	08/29/04	0.29	0.024	0.11	0.064	39	nl	nl
Benzo(k)fluoranthene	08/29/04	0.49	0.03	0.29	0.16	39	nl	nl
Chrysene	08/29/04	0.56	0.04	0.3	0.17	390	nl	nl
Dibenz(a,h)anthracene	08/29/04	0.61	0.0064	0.038	0.022	0.39	nl	nl
Fluoranthene	08/29/04	1.4	0.051	0.53	0.27	40,000	nl	nl
Fluorene	08/29/04	0.082	<0.0036	0.02	0.011	40,000	nl	nl
Ideno(1,2,3-cd)pyrene	08/29/04	0.34	<0.0026	0.14	0.08	3.9	nl	nl
Naphthalene	08/29/04	0.28	0.026	0.08	0.051	110	nl	nl
Phenanthrene	08/29/04	1.4	0.048	0.38	0.17	390	nl	nl
Pyrene	08/29/04	1.2	0.039	0.48	0.23	30,000	nl	nl

Notes:

- mg/kg = Milligrams per kilogram which is equivalent to parts per million (ppm).
- SSL = Soil Screening Level
- RCL = Residual Contaminant Level
- SRCL = Suggested Residual Contaminant Level
- PAHs = Polycyclic Aromatic Hydrocarbons
- nl = not listed
- na = not applicable
- 61 = bold number indicates value exceeds RCL or SRCL for that compound

TABLE 2  
 SOIL ANALYTICAL RESULTS  
 CONNORS POINT / FIELD LOGIC  
 AET Job # 07-01278.2

Parameter	Date Sampled	Soil Boring Number and Sample Depth						s. NR 720 SRCLs Industrial mg/kg	s. NR 720.11 (5) RCLs Non-Industrial mg/kg	s. NR 720.11 (5) RCLs Industrial mg/kg
		06-01	06-01	06-02	06-02	06-03	06-03			
		0' - 2' mg/kg	4.5' - 6.5' mg/kg	2' - 4' mg/kg	7' - 9' mg/kg	0' - 2' mg/kg	7' - 9' mg/kg			
Field Screening (ppm)	10/27/07	1.1	1.7	2.8	2.2	2.5	2.3	na	na	na
<b>Metals</b>										
Arsenic	10/27/07	4.3	5.4	4.9	3.2	2.6	2.2	nl	0.039	1.6
Barium	10/27/07	69	28	120	7.9	30	7.7	nl	nl	nl
Cadmium	10/27/07	0.63	0.12	0.74	<0.064	0.21	0.094	nl	8	510
Chromium	10/27/07	27	9.2	26	11	12	6.9	nl	14	200
Lead	10/27/07	24	7.4	34	2.8	10	1.6	nl	50	500
Mercury	10/27/07	0.15	0.066	0.087	<0.0019	0.049	<0.0019	nl	nl	nl
Selenium	10/27/07	<1.0	1.6	<1.0	<1.0	<0.87	<1.0	nl	nl	nl
Silver	10/27/07	<0.30	<0.38	<0.30	<0.30	<0.26	<0.30	nl	nl	nl
<b>PAHs</b>										
1-Methylnaphthalene	10/27/07	0.032	0.034	0.031	<0.0038	0.052	<0.0037	70,000	nl	nl
2-Methylnaphthalene	10/27/07	0.047	0.039	0.042	<0.0040	0.076	<0.0039	40,000	nl	nl
Acenaphthene	10/27/07	<0.0038	<0.0047	0.015	<0.0038	0.012	<0.0037	60,000	nl	nl
Acenaphthylene	10/27/07	0.0094	0.0057	0.0076	<0.0037	0.014	<0.0036	360.0	nl	nl
Anthracene	10/27/07	0.018	0.016	0.015	<0.0045	0.054	<0.0044	300,000	nl	nl
Benzo(a)anthracene	10/27/07	0.057	0.071	0.047	<0.0067	0.11	<0.0065	3.9	nl	nl
Benzo(a)pyrene	10/27/07	0.072	0.063	0.048	<0.0036	0.12	<0.0035	0.39	nl	nl
Benzo(b)fluoranthene	10/27/07	0.073	0.066	0.047	<0.0036	0.14	<0.0035	3.9	nl	nl
Benzo(ghi)perylene	10/27/07	0.036	0.029	0.023	<0.0045	0.054	<0.0044	39	nl	nl
Benzo(k)fluoranthene	10/27/07	0.055	0.059	0.043	<0.0039	11	<0.0038	39	nl	nl
Chrysene	10/27/07	0.066	0.072	0.054	<0.0055	13	<0.0054	390	nl	nl
Dibenz(a,h)anthracene	10/27/07	0.01	0.011	0.0079	<0.0035	0.018	<0.0034	0.39	nl	nl
Fluoranthene	10/27/07	0.09	0.082	0.082	<0.0037	0.29	<0.0036	40,000	nl	nl
Fluorene	10/27/07	0.0049	<0.0054	0.013	<0.0043	0.017	<0.0042	40,000	nl	nl
Ideno(1,2,3-cd)pyrene	10/27/07	0.028	0.03	0.02	<0.0032	0.052	<0.0031	3.9	nl	nl
Naphthalene	10/27/07	0.046	0.032	0.042	<0.0051	0.065	<0.0049	110	nl	nl
Phenanthrene	10/27/07	0.057	0.06	0.059	<0.0037	0.22	<0.0036	390	nl	nl
Pyrene	10/27/07	0.081	0.074	0.067	<0.0031	0.21	<0.0030	30,000	nl	nl

Notes:

- mg/kg = Milligrams per kilogram which is equivalent to parts per million (ppm).
- SSL = Soil Screening Level
- RCL = Residual Contaminant Level
- SRCL = Suggested Residual Contaminant Level
- PAHs = Polyaromatic Hydrocarbons
- nl = not listed
- na = not applicable
- 61 = bold number indicates value exceeds RCL or SRCL for that compound

TABLE 3  
GROUND WATER ANALYTICAL RESULTS - Metals  
CONNORS POINT / FIELD LOGIC  
AET Job # 07-01278.2

Well #	Date	RCRA 8 Metals							
		Arsenic ug/l	Barium ug/l	Cadmium ug/l	Chromium ug/l	Lead ug/l	Mercury ug/l	Selenium ug/l	Silver ug/l
MW-1	11/8/2006	0.82	170	<0.14	1.7	<0.049	<0.072	0.7	<0.034
	2/13/2007	0.7	130	<0.12	1.8	0.1	<0.012	<0.67	<0.034
	5/8/2007	3.6	120	<0.12	1.9	0.08	<0.013	<0.67	<0.034
	8/20/2007	3.9	110	<1.0	1.5	<1.0	<0.20	<1.0	<0.50
MW-2	11/8/2006	6.9	110	<0.14	1.5	0.4	<0.072	1.7	<0.034
	2/13/2007	8.4	140	0.14	3.4	1.4	<0.012	2.2	<0.034
	5/8/2007	9.6	100	<0.12	1.2	<0.049	<0.013	<0.67	<0.034
	8/20/2007	27	56	<1.0	1.4	<1.0	<0.20	<1.0	<0.50
MW-3	11/8/2006	0.44	67	<0.14	1	<0.049	<0.072	<0.67	<0.034
	2/13/2007	0.6	51	<0.12	2.9	0.38	<0.012	<0.67	<0.034
	5/8/2007	0.27	42	<0.12	0.96	0.17	<0.013	<0.67	<0.034
	8/20/2007	<1.0	48	<1.0	<1.0	<1.0	<0.20	<1.0	<0.50
MW-4	11/8/2006	1	160	<0.14	3.2	<0.049	<0.072	1.4	<0.034
	2/13/2007	0.83	120	<0.12	2.1	0.06	<0.012	<0.67	<0.034
	5/8/2007	0.76	120	<0.12	2.1	<0.049	<0.013	<0.67	<0.034
	8/20/2007	<1.0	120	<1.0	1.4	<1.0	<0.20	<1.0	<0.50
Ground Water Quality Standards	ES	10	2000	5	100	15	2	50	50
	PAL	1	400	0.5	10	1.5	0.2	10	10

Notes: ug/l - micrograms per liter  
ES - Enforcement Standard  
PAL - Preventative Action Limit

TABLE 3  
GROUND WATER ANALYTICAL RESULTS - PAHs  
CONNORS POINT / FIELD LOGIC  
AET Job # 07-01278.2

Well #	Date	Polynuclear Aromatic Hydrocarbons (PAHs)																	
		1-Methyl naphthalene ug/l	2-Methyl naphthalene ug/l	Acena phthene ug/l	Acena phthylene ug/l	Anthracene ug/l	Benzo(a) anthracene ug/l	Benzo(a) pyrene ug/l	Benzo(b) fluoranthene ug/l	Benzo(ghi) perylene ug/l	Benzo(k) fluoranthene ug/l	Chrysene ug/l	Dibenz(a,h) anthracene ug/l	Fluoranthene ug/l	Fluorene ug/l	Indeno(1,2,3-cd) pyrene ug/l	Naphthalene ug/l	Phenanthrene ug/l	Pyrene ug/l
MW-1	11/8/2006	<0.011	<0.012	<0.0086	<0.0086	<0.012	<0.017	<0.019	<0.017	<0.020	<0.020	<0.020	<0.020	<0.016	<0.0096	<0.020	0.016	<0.012	<0.015
	2/13/2007	0.063	0.043	<0.0089	<0.0089	<0.013	<0.017	<0.020	<0.017	<0.021	<0.021	<0.021	<0.021	0.019	<0.0099	<0.021	0.058	0.022	<0.016
	5/8/2007	<0.010	<0.011	<0.0082	<0.0081	<0.012	<0.016	<0.018	<0.016	<0.019	<0.019	<0.019	<0.019	<0.015	<0.0091	<0.019	0.052	0.012	<0.015
	8/20/2007	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047
MW-2	11/8/2006	<0.011	<0.012	<0.0086	<0.0086	<0.012	<0.017	<0.019	<0.017	<0.020	<0.020	<0.020	<0.020	<0.016	<0.0096	<0.020	<0.013	0.014	<0.015
	2/13/2007	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	5/8/2007	<0.010	<0.011	<0.0082	<0.0081	<0.012	<0.016	<0.018	<0.016	<0.019	<0.019	<0.019	<0.019	<0.015	<0.0091	<0.019	0.014	0.013	<0.015
	8/20/2007	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047
MW-3	11/8/2006	<0.011	0.014	<0.0086	<0.0086	<0.012	<0.017	<0.019	<0.017	<0.020	<0.020	<0.020	<0.020	<0.016	<0.0096	<0.020	0.024	0.025	<0.015
	2/13/2007	<0.012	0.016	<0.0097	<0.0096	<0.014	<0.018	<0.022	<0.019	<0.023	<0.023	<0.022	<0.022	0.03	<0.011	<0.022	0.025	0.038	0.023
	5/8/2007	<0.010	0.014	<0.0082	<0.0081	0.012	<0.016	<0.018	<0.016	<0.019	<0.019	<0.019	<0.019	0.024	<0.0091	<0.019	0.023	0.026	0.021
	8/20/2007	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047
MW-4	11/8/2006	0.021	0.025	<0.0086	0.013	<0.012	<0.017	<0.019	<0.017	<0.020	<0.020	<0.020	<0.020	0.039	<0.0096	<0.020	0.031	0.052	0.036
	2/13/2007	0.034	0.037	<0.0093	0.014	0.016	0.034	0.049	0.048	0.039	0.051	0.055	<0.021	0.14	<0.010	0.031	0.045	0.13	0.12
	5/8/2007	0.031	0.033	<0.0082	0.01	0.013	0.021	0.03	0.029	0.025	0.027	0.029	<0.019	0.076	0.0097	0.02	0.045	0.092	0.0256
	8/20/2007	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047
Ground Water Quality Standards	ES	nl	nl	nl	nl	3000	nl	0.2	0.2	nl	nl	0.2	nl	400	400	nl	40	nl	250
	PAL	nl	nl	nl	nl	600	nl	0.02	0.02	nl	nl	0.02	nl	80	80	nl	8	nl	50

Notes: ug/l - micrograms per liter  
ES - Enforcement Standard  
PAL - Preventative Action Limit  
nl - not listed  
na - not analyzed