

GIS REGISTRY
Cover Sheet

March 2010
(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" form)*

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

Contamination in ROW

Off-Source Contamination

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

Land Use Controls:

N/A (Not Applicable)

Soil: maintain industrial zoning (220)

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

Structural Impediment (224)

Site Specific Condition (228)

Cover or Barrier (222)

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

Vapor Mitigation (226)

Maintain Liability Exemption (230)

*(note: local government unit or economic
development corporation was directed to
take a response action)*

Monitoring Wells:

Are all monitoring wells properly abandoned per NR 141? (234)

- Yes
- No
- N/A

** Residual Contaminant Level*

***Site Specific Residual Contaminant Level*

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

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

BRRTS #: (No Dashes) 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.)
- Continuing Obligation Cover Letter** (for property owners affected by residual contamination and/or continuing obligations)
- Conditional Closure Letter**
- Certificate of Completion (COC)** (for VPLE sites)

SOURCE LEGAL DOCUMENTS

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

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

Maps must be no larger than 11 x 17 inches unless the map is submitted electronically.

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

BRRTS #: 02-65-543953

ACTIVITY NAME: MUDLAFF OIL-(FORMER) - SITE #7

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 #: 5 Title: **Geologic Cross Section B-B**

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: **Post Remediation Isoconcentration Map of Total VOCs**

- 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 #: 4 Title: **Water Table Contour Map**

Figure #: 6 Title: **Water Table Contour Map**

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

Tables must be no larger than 11 x 17 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

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

Table #: 2 Title: **Excavation Soil Sample Laboratory 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 #: 2 Title: **Summary of VOC Detections in Ground Water**

- 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 #: 2 Title: **Ground Water Elevation Data**

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 #: 02-65-543953

ACTIVITY NAME: MUDLAFF OIL-(FORMER) - SITE #7

NOTIFICATIONS

Source Property

Not Applicable

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

Off-Source Property

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

Not Applicable

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

Number of "Off-Source" Letters:

- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.
- Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).

Figure #:

Title:

- Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

Number of "Governmental Unit/Right-Of-Way Owner" Letters:

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Waukesha Service Center
141 NW Barstow St
Waukesha WI 53188

Scott Walker, Governor
Cathy Stepp, Secretary
John Hammen, Acting Regional Director
Telephone 262-574-2100
FAX 262-574-2128
TTY Access via relay - 711



July 8, 2011

Mr. Mark Wendorf
City of Delavan
123 South Second Street
Delavan, WI 53115

Subject: Final Case Closure
Site #7 (Former Mudlaff Oil Site), 915 Ann St., Delavan, WI
FID# 265057760 BRRTS# 02-65-543953

Dear Mr. Wendorf:

On March 8, 2011, the Wisconsin Department of Natural Resources (the Department) reviewed your request for closure of the case described above. The Department reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. At that time, the Department notified you of additional requirements that must be satisfied before your case would be eligible for closure.

On June 2, 2011, the Department received information or documentation indicating that you have complied with the requirements for final closure. The Department received the groundwater GIS Registry fee and documents that the Department requested for the GIS Registry.

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.

GIS Registry

The conditions of case closure set out below in this letter require that this site be listed on the Remediation and Redevelopment Program's GIS Registry. The specific reasons are summarized below:

- Residual soil contamination exists that must be properly managed should it be excavated or removed
- Groundwater contamination is present above Chapter NR 140 enforcement standards

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 <http://dnr.wi.gov/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

Residual Soil Contamination

Residual soil contamination remains at the site based on information submitted to the Department. If soil at the site is excavated in the future, then pursuant to ch. NR 718 or, if applicable, ch. 289, Stats., and chs. 500 to 536, 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 standards 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 to prevent a direct contact health threat to humans.

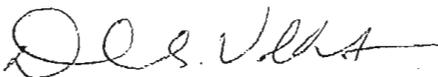
Residual Groundwater Contamination

Groundwater impacted petroleum contamination greater than enforcement standards set forth in ch. NR140, Wis. Adm. Code, is present on this contaminated property based on information submitted to the Department.

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.

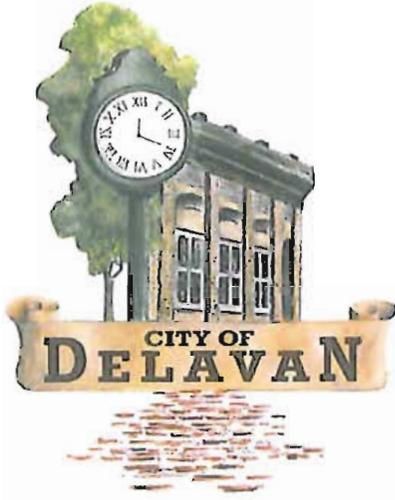
The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact me at the letterhead address or (262) 574-2166.

Sincerely,



David G. Volkert, P.G.
Hydrogeologist
Bureau for Remediation & Redevelopment

cc: Lynn Scherbert
SER File



P.O. Box 465
123 South Second St.
Delavan, Wisconsin 53115
262-728-5585
Fax: 262-728-4566
www.ci.delavan.wi.us

October 23, 2009

Mr. David Volkert
Wisconsin Department of Natural Resources
141 N.W. Barstow Street
Waukesha, WI 53188

Re: Mudloff Oil Bulk Plant Site
Statement of Accuracy of Site Description

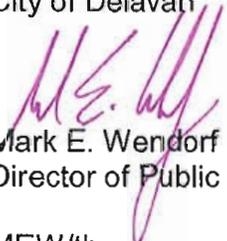
Dear Mr. Volkert:

This letter is to satisfy the requirement for the GIS Registry "Source Legal Documents". As the responsible party at this site, it is the belief of the City of Delavan that the deed and plat of survey map submitted for the GIS registry are correct and accurately describe the contaminated property known as the Mudloff Oil Bulk Plant site located on Lots 70 and 71 of Tyrrell Subdivision.

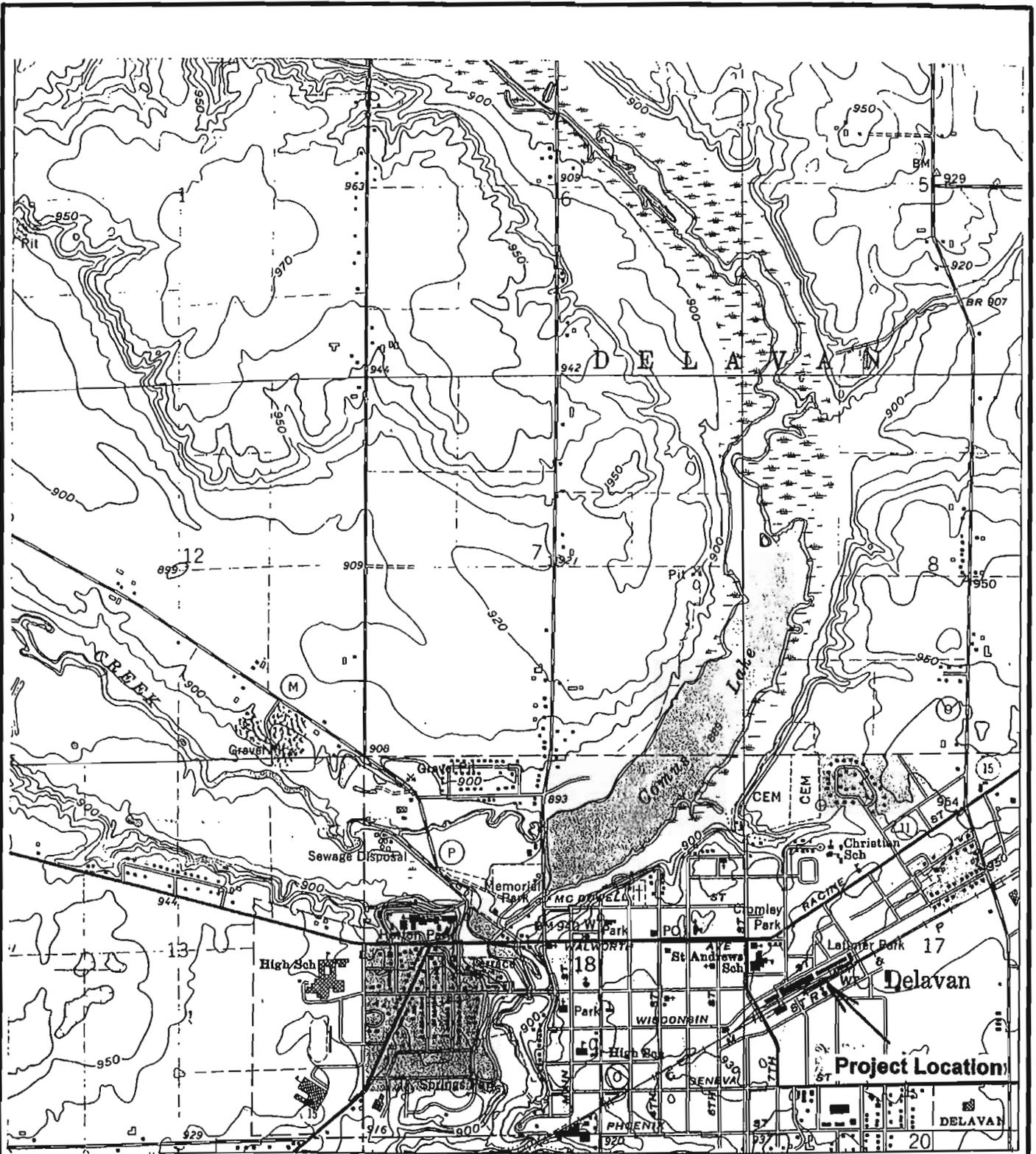
Should you have any further questions regarding this statement, please contact me at 262-728-1891. Thank you for your consideration of our closure request.

Sincerely,

City of Delavan


Mark E. Wendorf
Director of Public Works

MEW/th



AYRES
ASSOCIATES



MAPPING SOURCE:
7.5 MINUTE
TOPOGRAPHIC QUADRANGLE
DELAVAN, WISCONSIN



0 1000 2000 3000
GRAPHIC SCALE IN FEET

FIGURE 1
SITE LOCATION MAP
ANN STREET RAILROAD CORRIDOR
DELAVAN, WISCONSIN

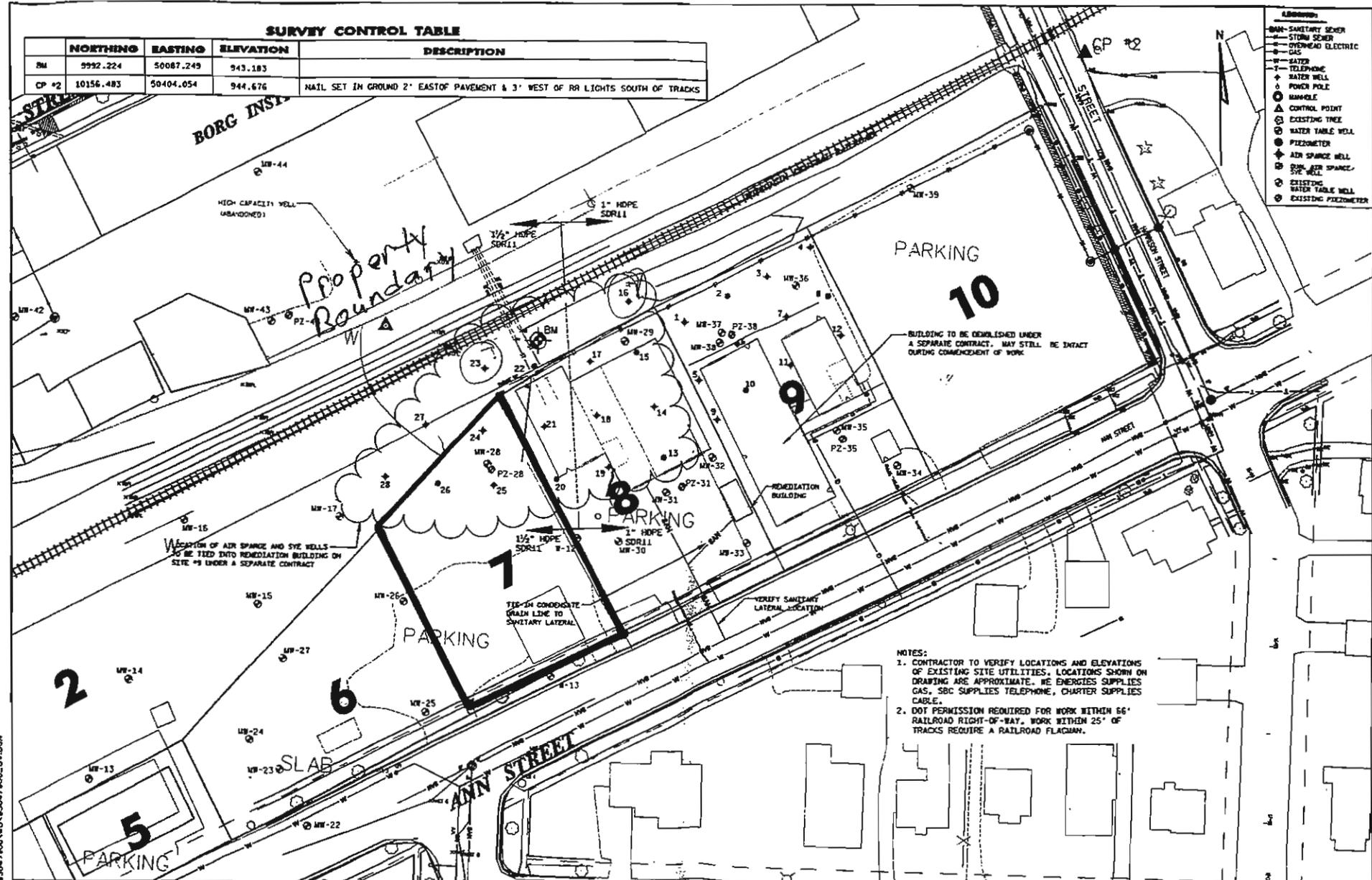
DATE: 09-16-97
JOB NUMBER: 53-168.10

PEN TABLE = V80.tbl
DATE OF PLOT: 09/16/97
DESIGN FILE = 1:dgn:530168+530168.10+wd:53016801.dgn
CREATED BY
DGN LEVELS ON = 1-63
PLOT FILE = P:MOOLA17+01681001.PRF

SURVEY CONTROL TABLE

	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM	5992.224	50087.249	943.183	
CP #2	10156.483	50404.054	944.676	NAIL SET IN GROUND 2' EAST OF PAVEMENT & 3' WEST OF RR LIGHTS SOUTH OF TRACKS

- LEGEND**
- SAN-SANITARY SEWER
 - STORM SEWER
 - OVERHEAD ELECTRIC
 - GAS
 - WATER
 - TELEPHONE
 - WATER WELL
 - POWER POLE
 - MANHOLE
 - CONTROL POINT
 - EXISTING TREE
 - WATER TABLE WELL
 - PIZOMETER
 - AIR SPARGE WELL
 - SOIL AIR SPARGE WELL
 - EXISTING WATER TABLE WELL
 - EXISTING PIZOMETER



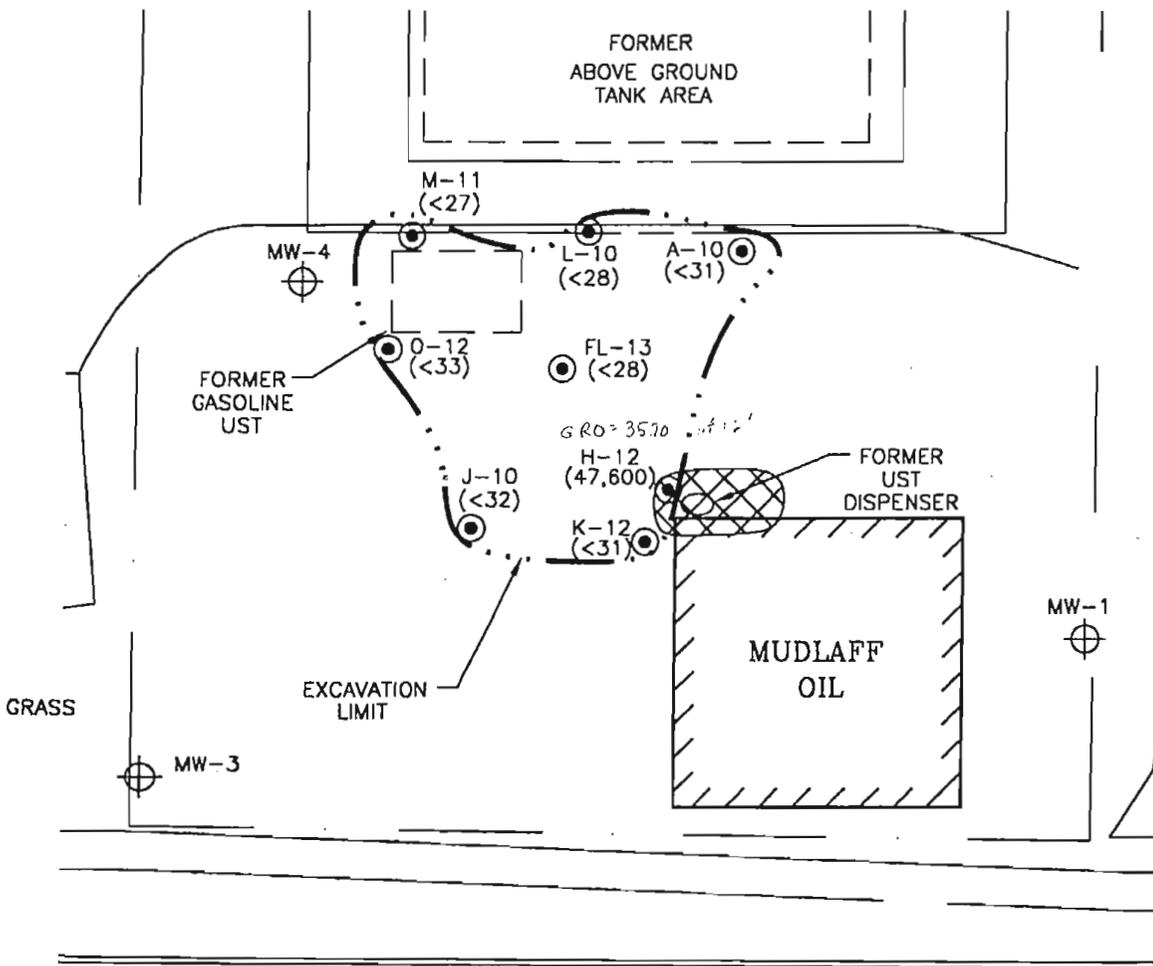
02/28/2008 11:00AM 1304 TRND WDAE3047 BORG_DVD.DGN

<p>CITY OF DELAVAN 123 SOUTH SECOND STREET DELAVAN, WISCONSIN 53115</p>	<p>AVES ASSOCIATES</p>	<p>SITE OVERVIEW CONTROL POINT LOCATION DRAWING REDUCED TO ONE-HALF ORIGINAL SCALE</p>	<p>DATE: 02-28-08 BY: [Signature] CHECKED BY: [Signature] DATE: 02-28-08 BY: [Signature]</p>	<p>BRANCH NO. 2 SHEET NO. 2</p>
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LEGEND

- MONITORING WELL
- SAMPLING LOCATION
- BENZENE CONCENTRATION IN ppb
- AREA WHERE UNSATURATED RESIDUAL SOIL CONTAMINATION EXCEEDS NR720 GENERIC SOIL STANDARD FOR BENZENE.



ANN STREET



ENVIROGEN

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

2835 North Grandview Blvd.
Pewaukee, Wisconsin 53072-0090

SCALE



EXCAVATION SOIL SAMPLING LOCATIONS

MUDLAFF OIL COMPANY SITE
DELAVAN, WISCONSIN

FIGURE NO.

3

DRAWING NO. 92.634L3

DRAWN BY: RRT

10/07/99

CHECKED BY: *BC*

4/25/99

APPROVED BY: *ATC*

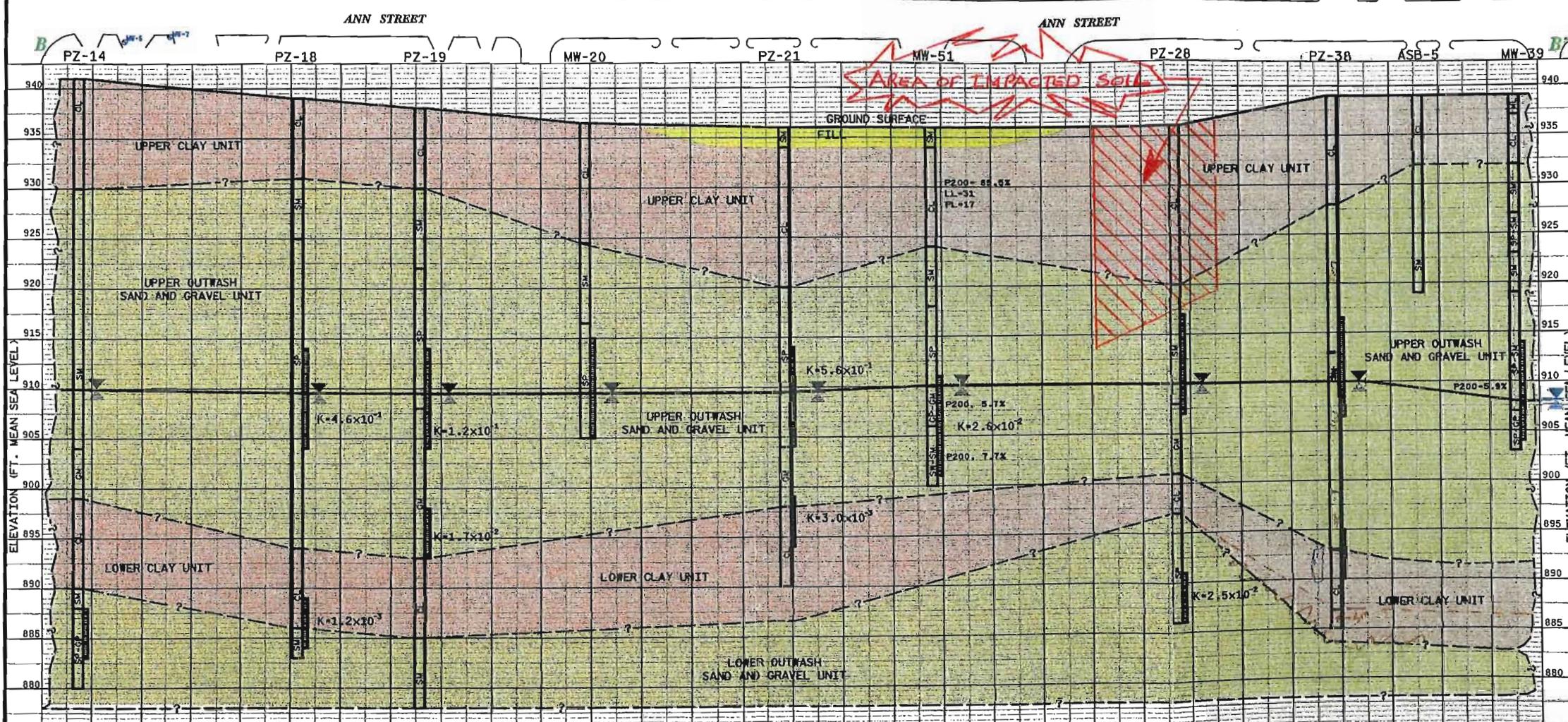
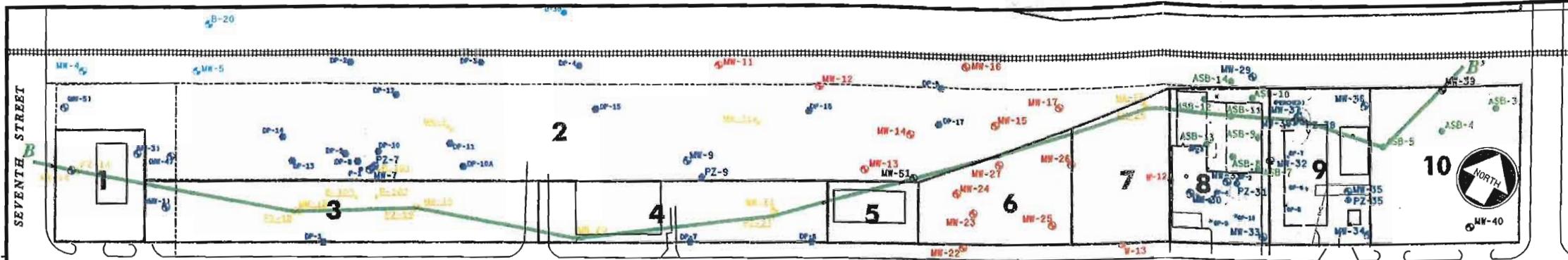
REVISIONS:

ENGINEER

DATE

ENGINEER

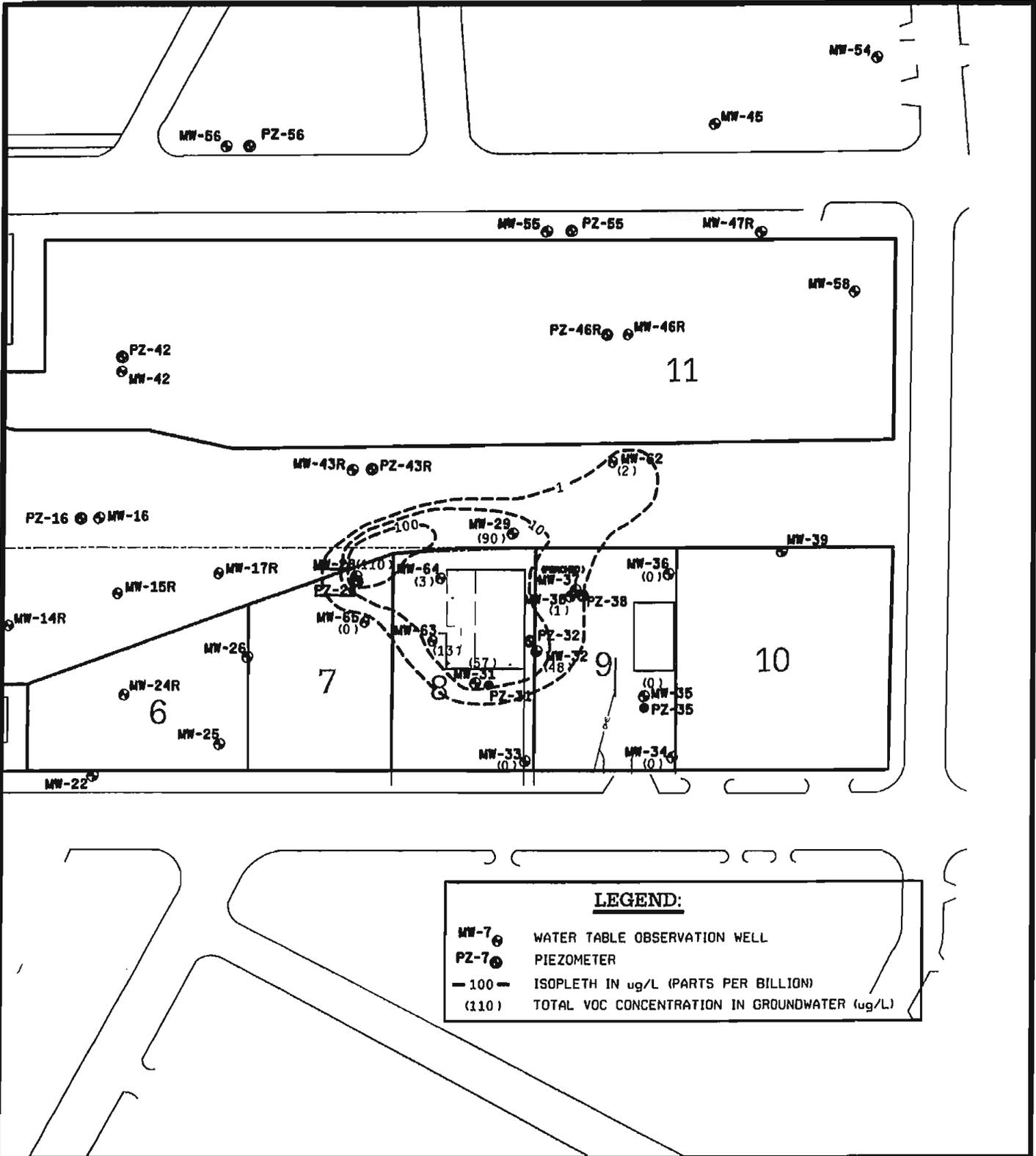
DATE



DR. BY W. HERRMANNSON CHK. BY J. STEINER DATE 03-10-95	JOB NO. 53-0394.60 DATE 12-28-93 01-09-94	REVISIONS ISSUED FOR REVIEW (DWG. 1/21/94) ISSUED FOR FINAL REPORT	PLAN PREPARED FOR CITY OF DELAVAN DEPARTMENT OF PUBLIC WORKS	PLANS PREPARED BY Engineers/Architects Scientists/Surveyors Dyni Herr & Associates Inc. Madison, Wisconsin AVRES ASSOCIATES	ANN STREET RAILROAD CORRIDOR BROWNFIELD REDEVELOPMENT PROJECT	GEOLOGIC CROSS SECTION B-B'	SHEET NO. 5 REV. 0
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#1000453037460 REV 03/10/95 03.DGN
 02/28/2004
 02:14:46 PM

AVRES/PLANS SHEET 10A



LEGEND:

- MW-7 WATER TABLE OBSERVATION WELL
- PZ-7 PIEZOMETER
- 100 - ISOPLETH IN ug/L (PARTS PER BILLION)
- (110) TOTAL VOC CONCENTRATION IN GROUNDWATER (ug/L)

**AYRES
ASSOCIATES**

DATE: AUGUST 14, 2009
JOB NUMBER: 53-0527.00



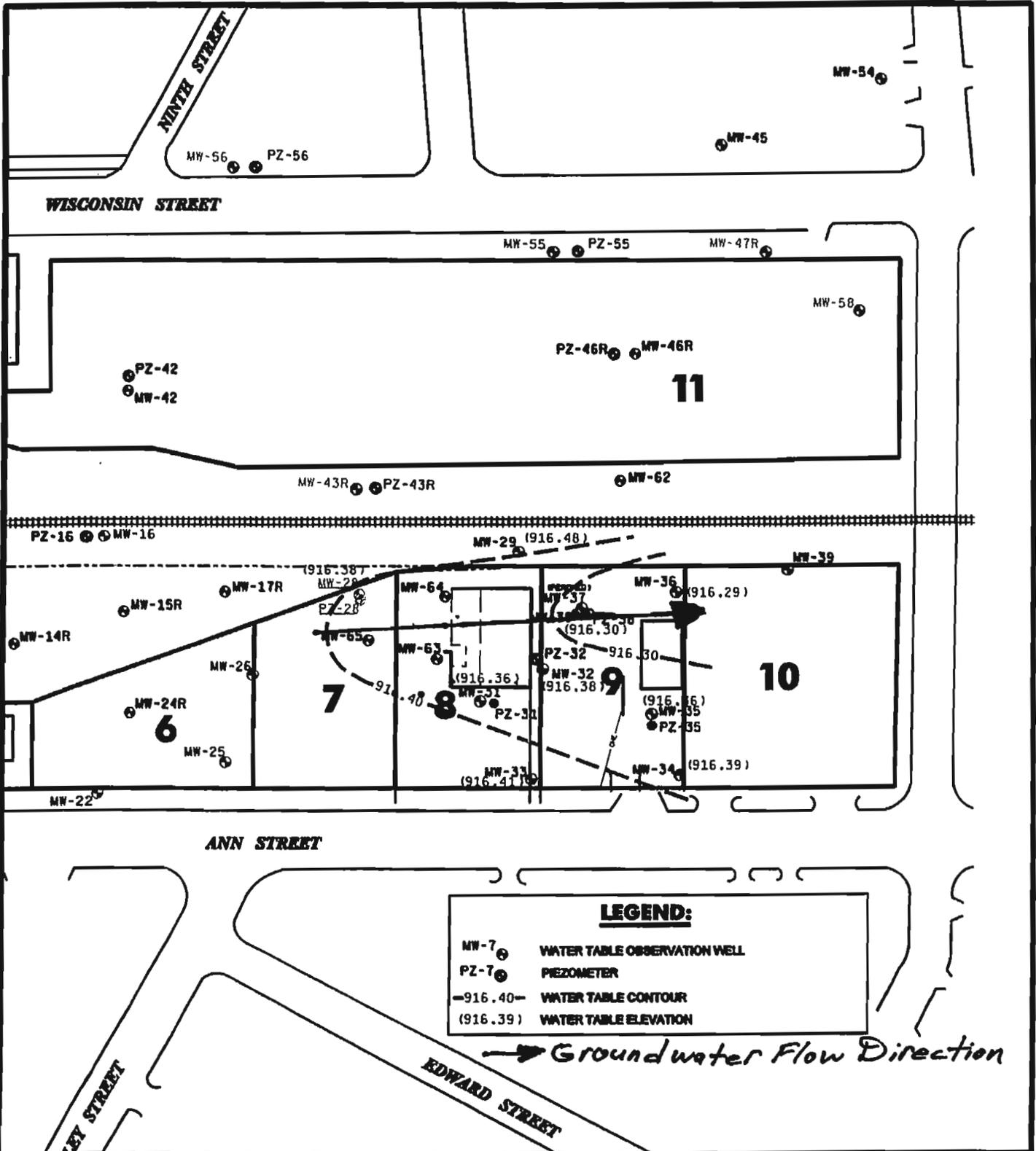
MAPPING SOURCE:



FIGURE
POST-REMEDIATION
ISOCONCENTRATION MAP OF
TOTAL VOC'S IN GROUNDWATER
6-11-2009

CITY OF DELAVAN
123 SOUTH SECOND STREET
DELAVAN, WISCONSIN 53115

FILE
PEN
DATE
TIME



AYRES
ASSOCIATES

DATE: AUGUST 14, 2009
JOB NUMBER: 53-0527.00



MAPPING SOURCE:



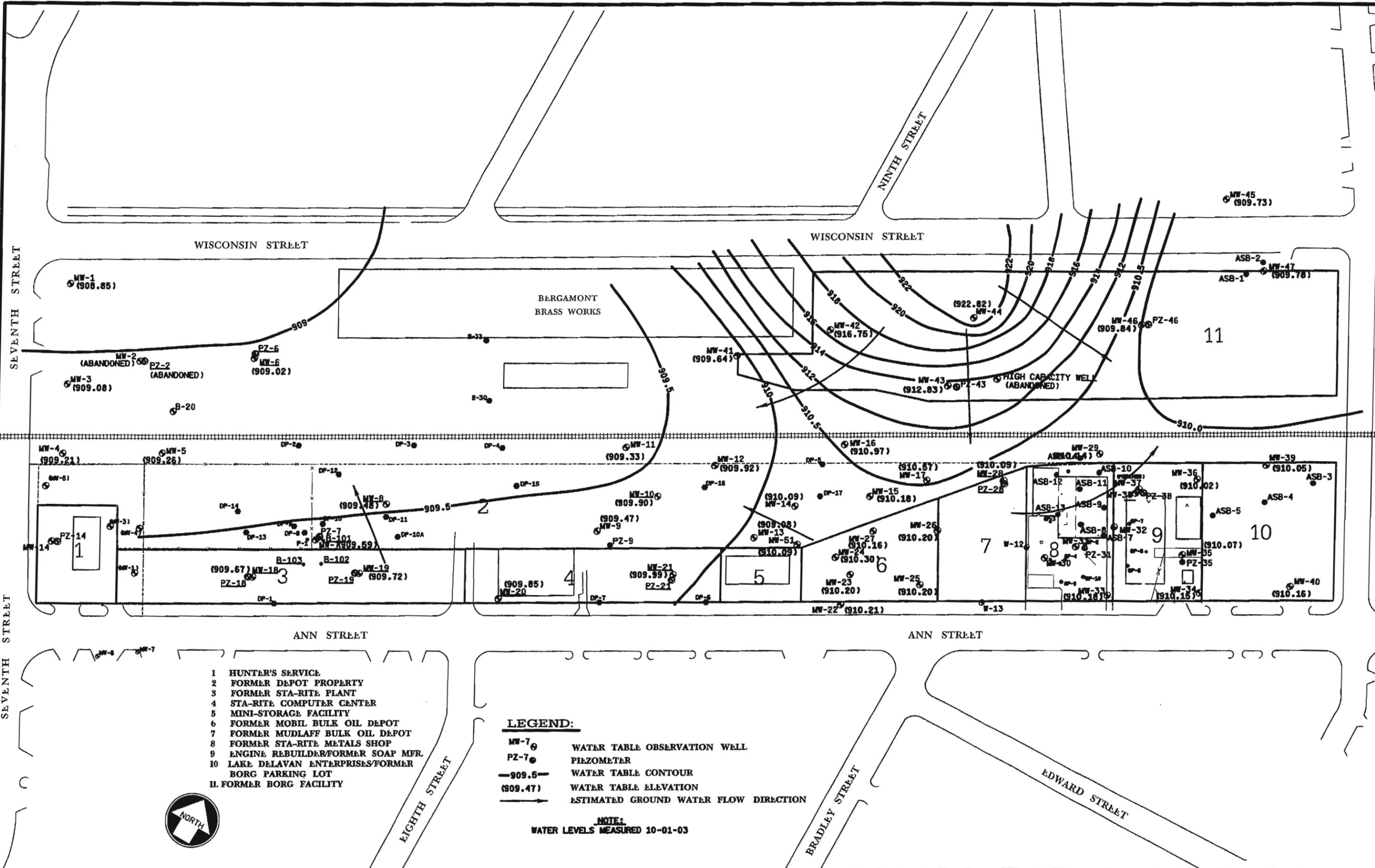
50 0 100
GRAPHIC SCALE IN FEET

FIGURE 4

WATER TABLE
CONTOUR MAP
6-31-2009

CITY OF DELAVAN
123 SOUTH SECOND STREET
DELAVAN, WISCONSIN 53115

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63.



- 1 HUNTER'S SERVICE
- 2 FORMER DEPOT PROPERTY
- 3 FORMER STA-RITE PLANT
- 4 STA-RITE COMPUTER CENTER
- 5 MINI-STORAGE FACILITY
- 6 FORMER MOBIL BULK OIL DEPOT
- 7 FORMER MUDLAFF BULK OIL DEPOT
- 8 FORMER STA-RITE METALS SHOP
- 9 ENGINE REBUILDER/FORMER SOAP MFR.
- 10 LAKE DELAVAN ENTERPRISES/FORMER BORG PARKING LOT
- 11 FORMER BORG FACILITY

LEGEND:

- MW-7 ● WATER TABLE OBSERVATION WELL
- PZ-7 ● PIEZOMETER
- 909.5— WATER TABLE CONTOUR
- (909.47) WATER TABLE ELEVATION
- ESTIMATED GROUND WATER FLOW DIRECTION

NOTE:
WATER LEVELS MEASURED 10-01-03

TABLE 2

Excavation Soil Sample Laboratory Analytical Results
Mudlaff Oil Company Site
Delavan, Wisconsin

Sample	Sample Date	Sample Depth (feet bgs)	Benzene	Ethylbenzene	Toluene	Xylenes	MTBE	1,2,4-TMB	1,3,5-TMB	GRO (ppm)	PID (ppmv)
A-10	5/28/98	10	<31	<31	<31	<93	<31	<31	<31	<6.2	4.8
H-12		12	47,600	74,600	323,000	458,000	<3,140	237,000	69,200	3,570	701
J-10		10	<32	<32	<32	<95	<32	38	<32	<6.4	7.5
K-12		12	<31	<31	<31	<93	<31	<31	<31	<6.2	11
L-10	5/29/98	10	<28	<28	<28	<84	571	<28	<28	<5.6	11
M-11		11	<27	<27	<27	<82	<27	<27	<27	<5.5	0.0
O-12		12	<33	<33	<33	<99	<33	<33	<33	<6.6	1.0
FL-13		13	<28	<28	<28	<84	759	<28	<28	<5.6	30
CONF-1	5/28/98	-	16,200	35,000	<1,600	30,000	<1,600	32,500	16,200	1,870	532
CONF-2		-	16,400	30,300	92,300	181,000	<5,310	92,300	27,800	1,390	726
NR 720 Generic Soil Standard			5.5	2,900	1,500	4,100	NS	NS	NS	100	NS

Notes:

Shading indicates value equals or exceeds the NR 720 generic soil standard
All results in ppb unless otherwise noted.

- bgs: Below ground surface
- MTBE: Methyl t-butyl ether
- TMB: Trimethylbenzene
- GRO: Gasoline range organics
- NS: No standard
- FL: Excavation floor sample
- CONF: Confirmation sample

Checked by: RC
Approved by: ATE

Table 2
Ann Street Railroad Corridor Redevelopment- Site #9 (#7 and #8) Remediation
Delevan, Wisconsin
Summary of Volatile Organic Compound (VOC) Detections in Ground Water

Well I.D.	Date	Acetone	Benzene	2-Butanone	Ethyl benzene	Toluene	Total Xylenes	Methyl-tert-Butyl-Ether	Methylene Chloride	Trimethyl-benzene	Naphthalene	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl Benzene	p-Isopropyl toluene	n-Propyl benzene	Tetrachloro ethene	Trichloro ethene	cis-1,2 Dichloroethene	trans-1,2 Dichloroethene	1,1,2-Trichloroethane	1,1,1-Trichloroethane	Vinyl Chloride	1,1-Dichloro ethane	1,1-Dichloro ethene	Chloro ethane	Chloro form	Total VOCs		
MW-36	8/19/2005	ND	230	ND	120	75	342	ND	8.4	332	160	28	11	17	18	27	ND	ND	32	ND	ND	ND	230	ND	ND	ND	ND	ND	1628.4	
	3/30/2006	18	ND	18	2.2	0.4	15.1	ND	ND	28.2	29	3.3	ND	0.59	0.99	0.81	ND	0.17	1.5	ND	ND	ND	0.31	ND	ND	ND	ND	ND	116.57	
	6/21/2006	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2	
	9/25/2006	ND	ND	ND	0.8	ND	0.95	ND	ND	2.6	3.1	ND	ND	0.92	ND	ND	ND	ND	ND	ND	ND	ND	0.23	ND	ND	ND	ND	ND	8.5	
	3/27/2007	ND	ND	ND	ND	ND	ND	ND	ND	0.47	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.67	
	7/3/2007	14	ND	7.9	ND	ND	ND	ND	ND	2.27	1.2	0.61	ND	ND	0.3	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26.43	
	10/2/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	
	12/20/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
	7/17/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
	10/17/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
3/17/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	
6/11/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38	
PZ-38	8/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	
	3/30/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	
	6/21/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	9/25/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	
	3/27/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	
	7/3/2007	ND	0.33	ND	ND	ND	ND	ND	ND	0.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.02	
	10/2/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	
	12/20/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	7/17/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	
	10/17/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	
3/17/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0		
6/11/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0		
MW-62	11/8/2006	ND	7.1	ND	190	39	620	ND	ND	690	360	71	35	83	50	100	ND	ND	ND	ND	ND	ND	2.2	ND	ND	ND	ND	ND	2047.3	
	3/27/2007	ND	ND	ND	6.3	6.5	46	ND	ND	42.8	81	13	6.5	13	13	8.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	237	
	7/3/2007	13	ND	9.3	0.9	0.68	6.9	ND	ND	5	24	2.1	2	2.5	4.1	1.4	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	73.78	
	10/2/2007	ND	ND	ND	0.29	0.25	2.14	ND	ND	1.15	6.8	1.5	1.4	1.4	2.0	0.51	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	ND	19.54	
	12/20/2007	8.1	ND	ND	ND	0.31	3.6	ND	ND	2.96	15	2.3	2.6	3.3	4.5	0.85	ND	ND	ND	ND	ND	ND	2.0	ND	ND	ND	ND	ND	45.62	
	7/17/2008	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND	0.6	0.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	3.42	
	3/17/2009	ND	ND	ND	ND	ND	ND	ND	ND	0.75	ND	0.41	ND	ND	0.22	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	2.48	
	6/11/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0	
	MW-63	3/27/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
		7/3/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.73
10/2/2007		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55	
12/20/2007		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.94	
7/17/2008		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7	0.89	ND	ND	ND	ND	0.71	ND	ND	ND	ND	ND	4.3	
10/17/2008		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.6	1.1	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	11.6	
3/17/2009		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	0.9	ND	ND	ND	ND	0.85	ND	ND	ND	ND	ND	14.91	
6/11/2009		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	1.5	ND	ND	ND	ND	0.65	ND	ND	ND	ND	ND	13.15	
2/17/2010		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25	1.4	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	27.4	
4/21/2010		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.5	1.6	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	8.3	
MW-64	3/27/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.46	
	7/3/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.82	0.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.23	
	10/2/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	
	12/20/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.89	0.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.27	
	7/17/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.87	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	
	10/17/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	0.69	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.19	
	3/17/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8	1.1	0.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.68	
	6/11/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1	
	MW-65	3/27/2007	ND	ND	ND	9.5	ND	95	ND	ND	49	9.4	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	166.6
		7/3/2007	7.3	0.18	ND	3.2	0.21	6.74	ND	ND	12.7	3.9	0.5	ND	0.34	0.34	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	38.17
10/2/2007		ND	0.18	ND	14	0.34	19.4	ND	ND																					

Table 2
Ground Water Elevation Data
Ann Street Railroad Corridor Redevelopment Project
Delavan, Wisconsin

WELL ID	TOP OF CASING ELEVATION	11/9/2006		3/16/2009				6/11/2009			
		DEPTH TO WATER	GW ELEVATION								
MW-28	935.93		935.93		935.93		935.93		935.93	19.55	916.38
PZ-28	935.85		935.85		935.85		935.85		935.85	19.96	915.89
MW-29	940.28		940.28		940.28		940.28		940.28	23.80	916.48
MW-30	936.25		936.25		936.25		936.25		936.25	---	---
MW-31	936.36		936.36		936.36		936.36		936.36	20.00	916.36
PZ-31	936.36		936.36		936.36		936.36		936.36	20.10	916.26
MW-32	937.08		937.08		937.08		937.08		937.08	20.40	916.68
MW-33	937.27		937.27		937.27		937.27		937.27	20.86	916.41
MW-34	939.72		939.72		939.72		939.72		939.72	23.33	916.39
MW-35	939.15		939.15		939.15		939.15		939.15	22.79	916.36
PZ-35	939.17		939.17		939.17		939.17		939.17	22.81	916.36
MW-36	939.83		939.83		939.83		939.83		939.83	23.54	916.29
MW-37	938.87		938.87		938.87		938.87		938.87	---	---
MW-38	938.84		938.84		938.84		938.84		938.84	22.54	916.30
PZ-38	939.01		939.01		939.01		939.01		939.01	22.73	916.28

Note:

1. All wells surveyed to USGS datum on 11/22/2006. Wells surveyed to top of PVC.
2. Benchmark is top of PVC @ MW-51 (935.90 ft. MSL).