REVISED
1:51 pm, Jun 12, 2013

GIS REGISTRY
Cover Sheet

March, 2010
(RR 5367)

Source Property Information

CLOSURE DATE: Jul 17, 2012

BRRTS #: **02-13-547214**

FID #:

ACTIVITY NAME: Danco Prairie FS - DeForest

DATCP #: 94-402-03-30-01

PROPERTY ADDRESS: 209 E. Holum St.

COMM #:

MUNICIPALITY: DeForest

PARCEL ID #: 118/0910-172-5323-4

***WTM COORDINATES:**

X: **573503** Y: **308472**

** 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:

- [x] Groundwater Contamination > ES *(236)*
  - [x] Contamination in ROW
  - [ ] Off-Source Contamination

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

- [x] Soil Contamination > *RCL or **SSRCL *(232)*
  - [x] Contamination in ROW
  - [ ] Off-Source Contamination

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

Land Use Controls:

- [x] 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*

GIS Registry Checklist

Form 4400-245 (R 3/10)

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 #: 02-13-547214 PARCEL ID #: 118/0910-172-5323-4

ACTIVITY NAME: Danco Prairie FS - DeForest WTM COORDINATES: X: 573503 Y: 308472

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

- [x] **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

- [x] **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.*
- [x] **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 #: 1 **Title: Village of DeForest Plat Map**
- [x] **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.

- [x] **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 #: 2 **Title: Site Location Map**
- [x] **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 #: 3 **Title: Site Plan**
- [x] **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 #: 4 **Title: Soil Contamination Contour Map**

BRRTS #: 02-13-547214 ACTIVITY NAME: Danco Prairie FS - DeForest

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 A-A' with Isoconcentration Contours**

Figure #: 6 **Title: Geologic Cross Section B-B' with Isoconcentration Contours**

☒ **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 #: 7 **Title: Groundwater Isoconcentration Map**

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

Figure #: 8 **Title: October 2010 Water Table Map**

Figure #: 9 **Title: June 2004 Water Table 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 #: 1 **Title: Remaining Soil Field and Analytical Results Summary - Agricultural Chemicals**

☒ **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: Groundwater Analytical Results Summary - Agricultural Chemicals**

☒ **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 #: 3 **Title: Groundwater Elevation Summary**

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 #: 3 **Title: Site Plan (enclosed as Detailed Site Map identified on page 1 of checklist)**

☒ **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).

(Enclosed as Letter to Current Source Property Owner identified on page 3 of checklist.)

BRRTS #: 02-13-547214 ACTIVITY NAME: Danco Prairie FS - DeForest

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: 0

☐ **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: 1

State of Wisconsin
Governor Scott Walker

Department of Agriculture, Trade and Consumer Protection
Ben Brancel, Secretary

July 17, 2012

Mr. Sam Skemp
Frontier FS Cooperative
222 E. Puerner Street, P.O. Box 359
Jefferson, WI 53549

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations
Danco Prairie FS - DeForest, 209 E. Holum Street, DeForest, WI 53532
DATCP Case No. 94402033001, WDNR BRRTS No. 02-13-547214

Dear Mr. Skemp:

The Department of Agriculture, Trade and Consumer Protection (DATCP) considers Danco Prairie FS – DeForest closed, with continuing obligations. No further investigation or remediation is required at this time. However, you and current and future property owners must comply with the continuing obligations as explained in the conditions of closure in this letter. Please read over this letter closely to ensure that you comply with all conditions and other on-going requirements. The property owner must provide this letter to anyone who purchases this property.

This final closure decision is based on the correspondence and data provided, and is issued under ch. NR 726, Wis. Adm. Code. The DATCP Closure Committee reviewed the request for closure on July 12, 2011. The Closure Committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. A conditional closure letter was issued by DATCP on July 15, 2011, and documentation that the monitoring wells were properly abandoned was received on July 16, 2012.

This former agricultural chemical facility had soil and groundwater contaminated with nitrate and pesticides. Responses included a soil excavation in 1996, groundwater extraction from 1997 through 2001, and groundwater monitoring from 1996 through 2010. The conditions of closure and continuing obligations required were based on the property being used for commercial purposes.

Continuing Obligations
The continuing obligations for this site are summarized below. Further details on actions required are found in the section Closure Conditions.

- Groundwater contamination is present above ch. NR 140, Wis. Adm. Code enforcement standards.
- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- One or more monitoring wells were not located and must be properly filled and sealed if found.

GIS Registry
This site will be listed on the Remediation and Redevelopment Program's internet accessible Geographic Information System (GIS) Registry, to provide notice of residual contamination and

of any continuing obligations. DNR approval prior to well construction or reconstruction is required for all sites shown on the GIS Registry, in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, complete and submit Form 3300-254 to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at http://dnr.wi.gov/org/water/dwg/3300254.pdf or at the web address listed below for the GIS Registry.

All site information is also on file in the DATCP office, located at 2811 Agriculture Drive, Madison, Wisconsin. This letter and information that was submitted with your closure request application, including the maintenance plan, will be included on the GIS Registry in a PDF attachment. To review the site on the GIS Registry web page, visit the RR Sites Map page at http://dnrmaps.wi.gov/imf/imf.jsp?site=brrts2.

Closure Conditions
Compliance with the requirements of this letter is a responsibility to which the current property owner and any subsequent property owners must adhere. If these requirements are not followed, the DNR or DATCP may take enforcement action under s. 292.11, Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property.

Residual Groundwater Contamination (ch. NR 140, 812, Wis. Adm. Code)
Groundwater contamination greater than enforcement standards is present both on this contaminated property and off this contaminated property, as shown on Figure 7 of BT Squared's GIS Registry package. Affected property owners were notified of the presence of groundwater contamination. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval.

Residual Soil Contamination (ch. NR 718, chs. 500 to 536, Wis. Adm. Code or ch. 289, Wis. Stats.)

Soil contamination remains near the west edge of the property as indicated on Figure 4 of BT Squared's GIS Registry package. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if 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 a direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

Monitoring Wells that could not be Properly Filled and Sealed (ch. NR 141, Wis. Adm. Code)
Monitoring well MW4 located in the southern portion of the property (see Figures 3, 7, 8, or 9 of the GIS Registry package), could not be properly filled and sealed because it was missing due to being paved over, covered, or removed during site development activities. Your consultant reportedly made a reasonable effort to locate the well and to determine whether it was properly filled and sealed, but was unsuccessful. You may be held liable for any problems associated with the monitoring well if it creates a conduit for contaminants to enter groundwater. If the groundwater monitoring well is found, the then current owner of the property on which the well is located is required to notify the DNR, to properly fill and seal the well, and to submit the required documentation to the DNR.

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.

DATCP 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 608-224-4515.

Sincerely,

Jason B. Lowery
Hydrogeologist

cc: Randy Tomic, NewTech
Mark Tusler, BT Squared
Mark Tenjum, Village of DeForest (email only)
Ms. LeAnn Thomas, Canadian Pacific Railroad
Jeff Ackerman and Wendy Weihemuller, WDNR (email only)
Liz O'Donnell, DATCP EES (email only)

UNOFFICIAL COPY

WARRANTY DEED

DOCUMENT NO.

DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
3677865

03/26/2003 03:52:21PM

Trans. Fee:
Exempt #:

Rec. Fee: 11.00
Pages: 1

002876

The Redevelopment Authority of the Village of DeForest, a body corporate and politic, grantor conveys and warrants to **the Village of DeForest,** a Wisconsin municipal corporation, grantee, the following described real estate in Dane County, State of Wisconsin:

RETURN TO:

Allen D. Reuter
Reuter, Whitish & Cole, S.C.
44 E. Mifflin Street Suite 306
Madison, WI 53703

Lots One (1), Two (2), Three (3), Four (4), Five (5) and Six (6) of Block One (1), and the northerly seventy feet (70') of Lot One (1) and all of Lots Two (2) and Three (3), of Block Two (2), O.S. Holum's Addition, in the Village of DeForest.

Parcel Nos. 118/0910-172-5301-0
118/0910-172-5312-7
118/0910-172-5323-4
118/0910-172-5335-0
118/0910-172-5346-7
118/0910-172-5361-8
118/0910-172-5371-6
118/0910-172-5382-3
118/0910-172-5393-0
118/0910-172-5404-6

This is not homestead property.

Exception to warranties: municipal and zoning ordinances and agreements entered under them, recorded easements for the distribution of utility and municipal services, recorded building and use restrictions and covenants, general taxes levied in the year of closing. Grantee, its successors and assigns shall use the property conveyed hereby only for the construction and maintenance of a public safety building or other appropriate public uses.

This conveyance is exempt from transfer fees or return pursuant to sec. 77.25(2) and 77.255, Stats.

Dated this 11 day of March, 2003.

Redevelopment Authority of the Village of DeForest

By: _____
Jeffery P. Amundson, Chairman

_____
Amy L. Tweeten, Executive Director

AUTHENTICATION

Signature(s) Jeffery P. Amundson and Amy L. Tweeten authenticated this 11th day of March, 2003.

_____
*Allen D. Reuter

TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, _____authorized by §706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY

Allen D. Reuter
Attorney at Law
Madison, Wisconsin

(Signatures may be authenticated or acknowledged. Both are not necessary.)

ACKNOWLEDGEMENT

STATE OF WISCONSIN)
) ss.
DANE COUNTY)

Personally came before me this ____ day of March, 2003, the above-named Jeffery P. Amundson and Amy L. Tweeten to me known to be the persons who executed the foregoing instrument and acknowledged the same.

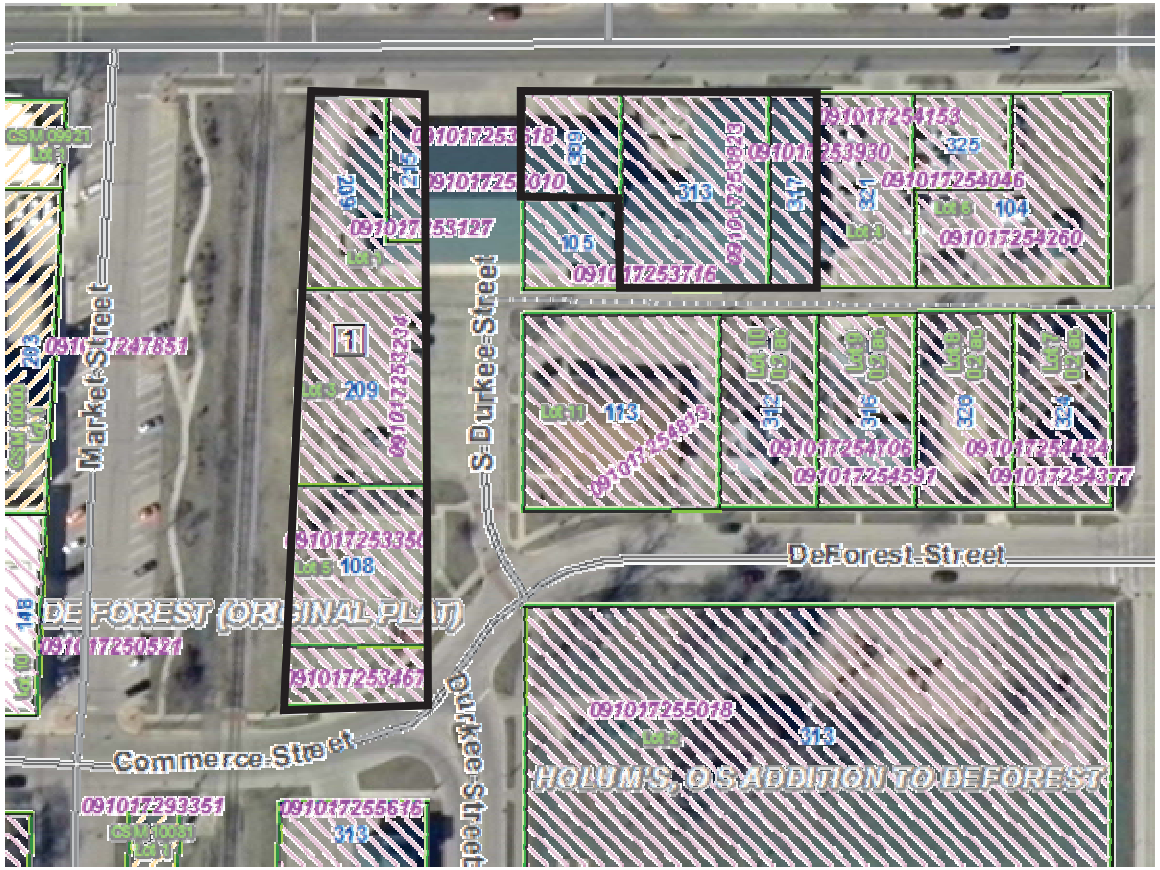
_____
*

Notary Public,Dane County, Wisconsin.
My Commission is permanent. (If not, state expiration date:)

1/11

Figure 1:

Village of DeForest Plat Map
Dane County OnPoint Map Viewer



Selections

1	polygon

Map Printed On {2011-05-05 12:56}

Powered by ROLTA OnPoint™

May 19, 2011

To: Wisconsin Department of Natural Resources

Subject: Statement that all Legal Descriptions for Properties within the Contaminated Site Boundaries have been Included
Frontier/Danco Prairie FS Cooperative
209 Holum Street, DeForest, Wisconsin
DATCP # 94402033001
WDNR # 1479 (Dane County)
BT Squared Project #925

To Whom it May Concern:

To the best of my knowledge, I believe that with the submittal of the attached property information and the legal description for each property within or partially within the contaminated site boundary has been included with the closure request.

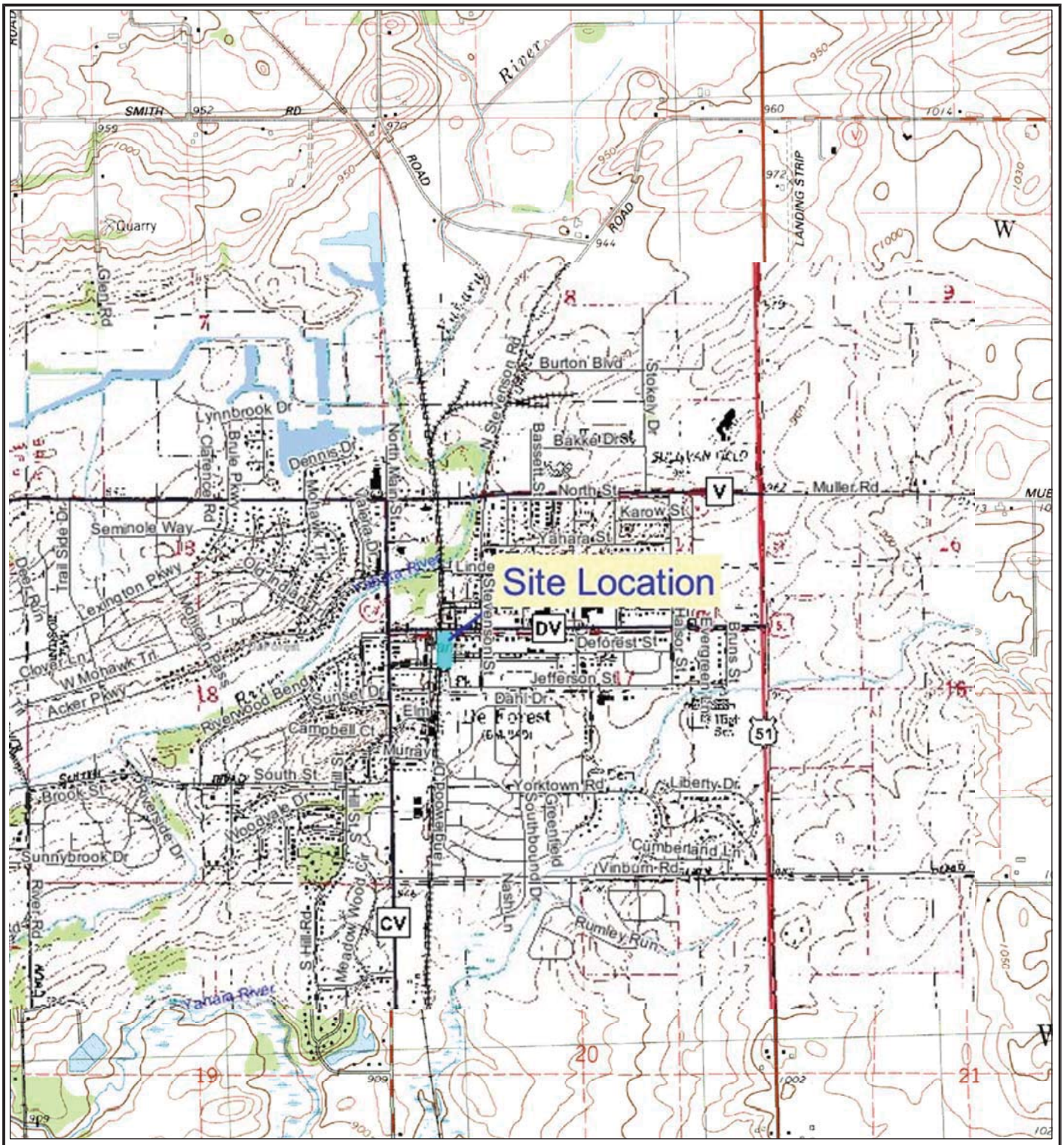
The attached property information includes the Deed and Legal Description for the property located at 209 Holum Street, DeForest, Wisconsin.

If you need additional information, please contact me at (920) 674-7000.

Sincerely,

Sam Skemp

Mr. Sam Skemp
General Manager of Frontier FS Cooperative



N

DEFOREST AND MORRISONVILLE QUADRANGLES
WISCONSIN
7.5 MINUTE SERIES (TOPOGRAPHIC)
1983
SCALE: 1" = 2,000'

CLIENT	FRONTIER FS COOPERATIVE	SITE	FRONTIER/DANCO PRAIRIE FS COOPERATIVE DEFOREST, WISCONSIN
			SITE LOCATION MAP

PROJECT NO.	925	DRAWN BY:	KP	ENGINEER	BT SQUARED 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	FIGURE
DRAWN:	12/22/04	CHECKED BY:	RL			2
REVISED:	05/11/11	APPROVED BY:	AWH 05/16/11			

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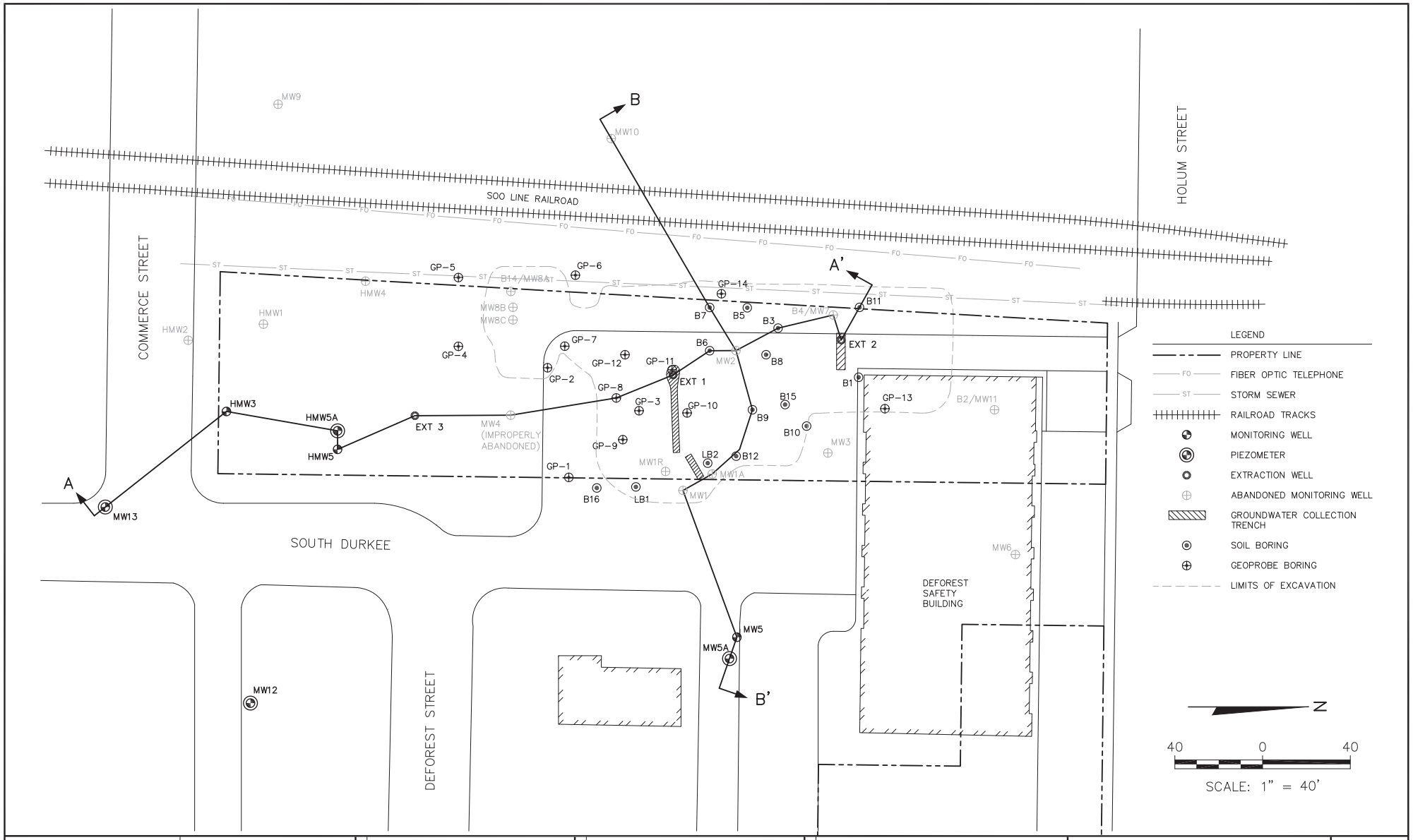

PROJECT NO.	925	DRAWN BY:	KLC/KP	ENGINEER	BT SQUARED 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT: FRONTIER FS COOPERATIVE	SITE: FRONTIER/DANCO PRAIRIE FS COOPERATIVE DEFOREST, WISCONSIN	SITE PLAN	FIGURE 3
DRAWN:	10/18/95	CHECKED BY:	MT/RL						
REVISED:	05/11/11	APPROVED BY:	AWH 05/16/11						

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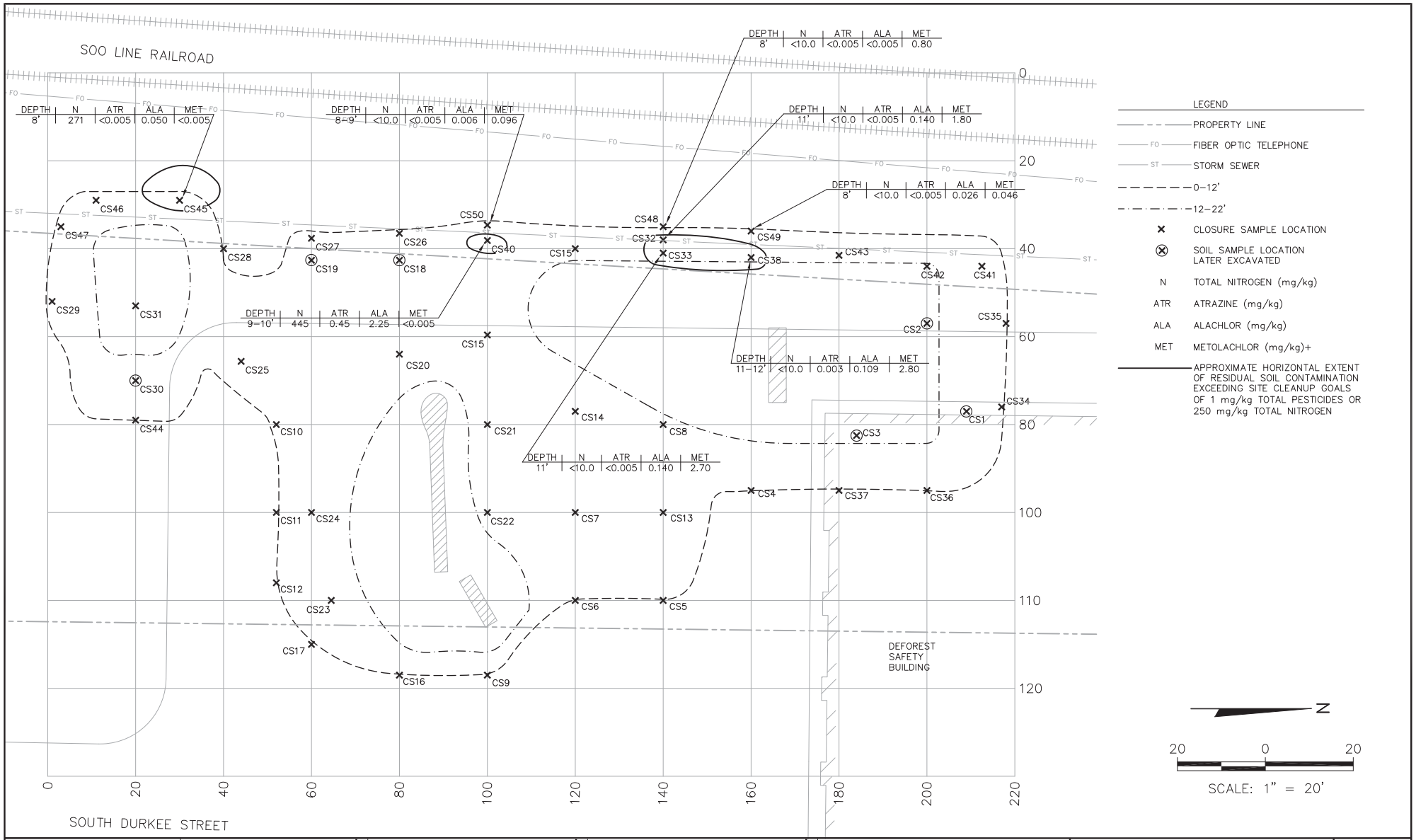

PROJECT NO.	925	DRAWN BY:	KLC/KP	ENGINEER	BT SQUARED 2830 DAIRY DRIVE MADISON, WI 53718–6751 PHONE: (608) 224–2830	CLIENT: FRONTIER FS COOPERATIVE	SITE: FRONTIER/DANCO PRAIRIE FS COOPERATIVE DEFOREST, WISCONSIN
DRAWN:	10/18/95	CHECKED BY:	MT/RL				SOIL CONTAMINATION CONTOUR MAP
REVISED:	05/11/11	APPROVED BY:	AWH 05/16/11				FIGURE 4

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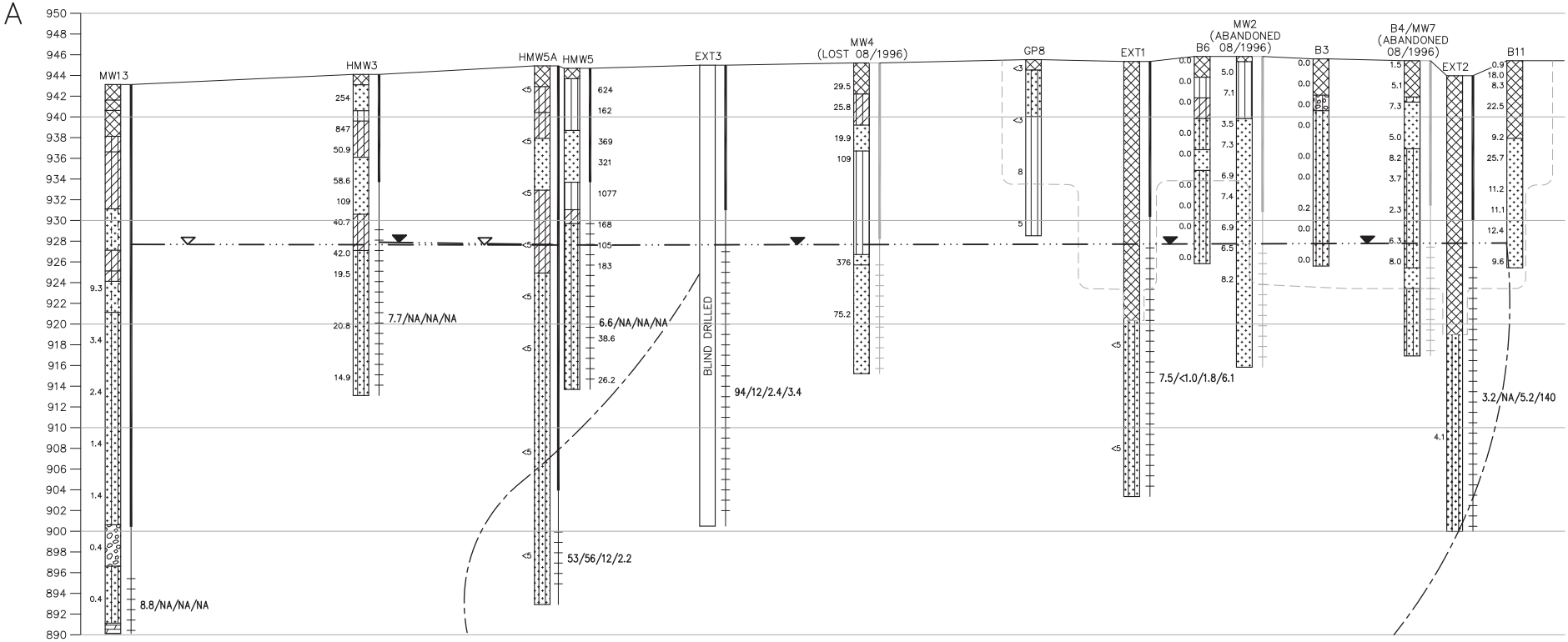


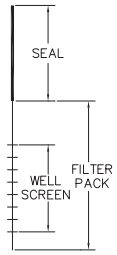
LEGEND

- FILL
- SAND, POORLY GRADED, LITTLE OR NO FINES (SP)
- SILT (ML)
- LEAN CLAY, LOW PLASTICITY (CL)
- GRAVEL, POORLY GRADED, LITTLE OR NO FINES (GP)
- SILTY SAND (SM)
- SILTY GRAVEL (GM)
- SAND, POORLY GRADED WITH SILT FINES (SP–SM)
- SILTY CLAY (ML–CL)
- DOLOMITE
- WATER TABLE ELEVATION MEASURED ON 10/28/10
- PIEZOMETRIC SURFACE ELEVATION MEASURED ON 10/28/10
- 25 PHOTO–IONIZATION DETECTOR READING
- EXTENT OF SOIL EXCAVATION

8.8/12/2.4/3.4 NITRATE+NITRITE–N (mg/l)/AMMONIA–N (mg/l)/ ALACHLOR (µg/l)/METOLACHLOR (µg/l) GROUNDWATER CONCENTRATIONS COLLECTED FROM WELL IN OCTOBER 2010 OR BEFORE WELL WAS ABANDONED

NA NOT ANALYZED

APPROXIMATE VERTICAL EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING NR 140 PREVENTIVE ACTION LIMITS OR ENFORCEMENT STANDARDS



TYPICAL WELL DETAIL

0 30

HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 10'
VERTICAL EXAGGERATION = 3X

PROJECT NO.	925	DRAWN BY:	KLC/KP	ENGINEER	BT SQUARED 2830 DAIRY DRIVE MADISON, WI 53718–6751 PHONE: (608) 224–2830	CLIENT	FRONTIER FS COOPERATIVE	SITE	FRONTIER/DANCO PRAIRIE FS COOPERATIVE DEFOREST, WISCONSIN	GEOLOGIC CROSS SECTION A–A' WITH ISOCONCENTRATION CONTOURS	FIGURE 5
DRAWN:	10/18/95	CHECKED BY:	AWH								
REVISED:	05/11/11	APPROVED BY:	AWH 05/16/11								

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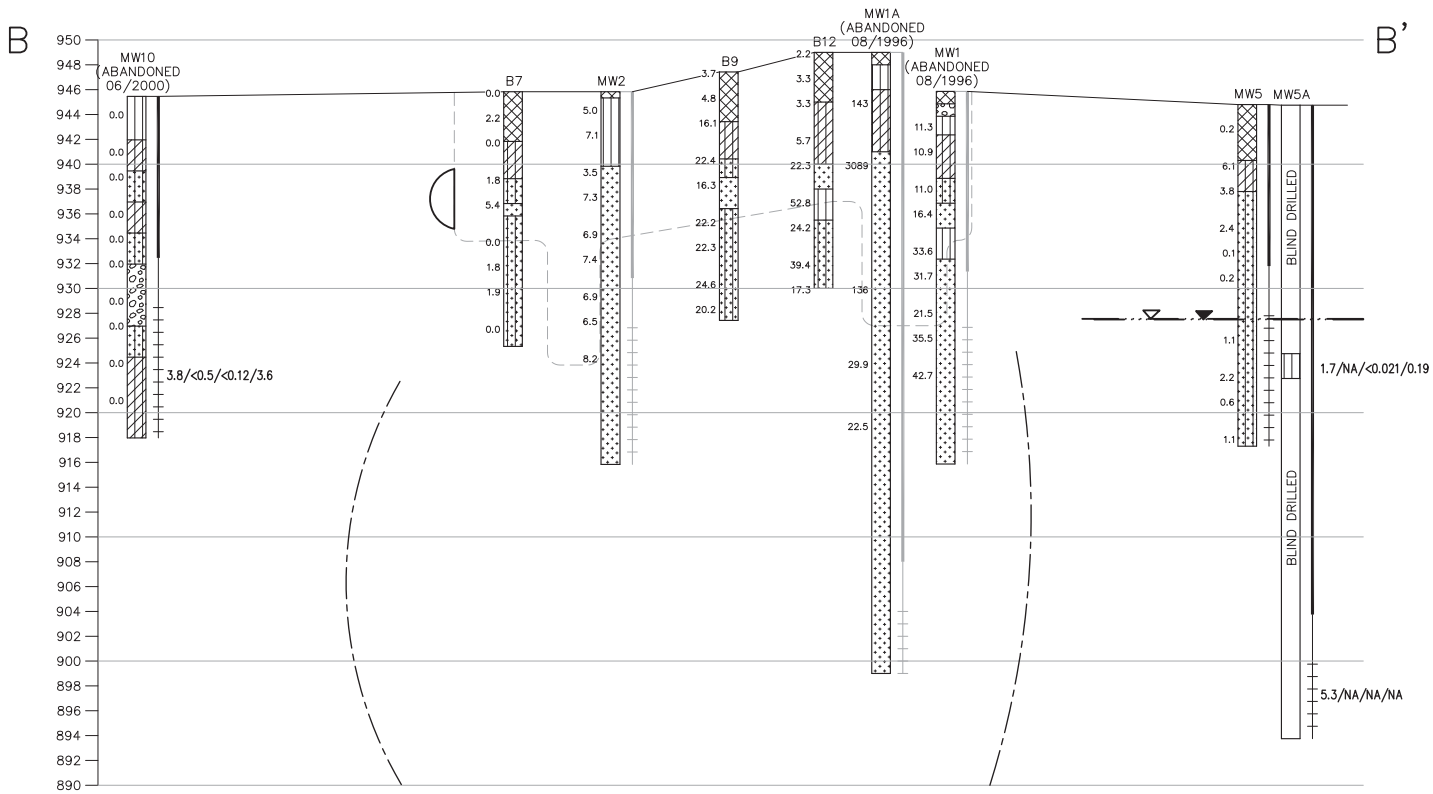


LEGEND

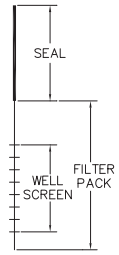
- FILL
- SAND, POORLY GRADED, LITTLE OR NO FINES (SP)
- SILT (ML)
- LEAN CLAY, LOW PLASTICITY (CL)
- GRAVEL, POORLY GRADED, LITTLE OR NO FINES (GP)
- SILTY SAND (SM)
- SILTY GRAVEL (GM)
- SAND, POORLY GRADED WITH SILT FINES (SP–SM)
- SILTY CLAY (ML–CL)
- DOLOMITE
- WATER TABLE ELEVATION MEASURED ON 10/28/10
- PIEZOMETRIC SURFACE ELEVATION MEASURED ON 10/28/10
- 25 PHOTO–IONIZATION DETECTOR READING
- EXTENT OF SOIL EXCAVATION

8.8/12/2.4/3.4 NITRATE+NITRITE–N (mg/l)/AMMONIA–N (mg/l)/ ALACHLOR (µg/l)/METOLACHLOR (µg/l) GROUNDWATER CONCENTRATIONS COLLECTED FROM WELL IN OCTOBER 2010 OR BEFORE WELL WAS ABANDONED

NA NOT ANALYZED

APPROXIMATE VERTICAL EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING NR 140 PREVENTIVE ACTION LIMITS OR ENFORCEMENT STANDARDS

APPROXIMATE VERTICAL EXTENT OF RESIDUAL SOIL CONTAMINATION EXCEEDING SITE CLEANUP GOALS OF 1 mg/kg TOTAL PESTICIDES OR 250 mg/kg TOTAL NITROGEN



TYPICAL WELL DETAIL

0 30

HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 10'
VERTICAL EXAGGERATION = 3X

PROJECT NO.	925	DRAWN BY:	KLC/KP	ENGINEER	BT SQUARED 2830 DAIRY DRIVE MADISON, WI 53718–6751 PHONE: (608) 224–2830	CLIENT	FRONTIER FS COOPERATIVE	SITE	FRONTIER/DANCO PRAIRIE FS COOPERATIVE DEFOREST, WISCONSIN	GEOLOGIC CROSS SECTION B–B' WITH ISOCONCENTRATION CONTOURS	FIGURE 6
DRAWN:	10/18/95	CHECKED BY:	AWH								
REVISED:	05/11/11	APPROVED BY:	AWH 05/16/11								

I:\925\Drawings-General\closure\Sections.dwg, 5/18/2011 11:08:46 AM

DATE	NO_{2+3}	NH_3	ATR	ALA	MET	OTHER
7/97	131	48.1	4.72	4.0	1.0	1.3
8/97	207	112	14.47	9.4	1.8	2.4
9/97	165	94.8	15.26	9.3	2.3	3.5
12/97	55.9	24.4	26	48	450	58.2
3/98	76	74.7	3.2	4.2	1.2	0.85
6/98	149	13.8	4.24	2.7	3.2	0.80
9/98	100	43	20.83	17	3.3	2.30
12/98	100	71.9	4.59	3.4	3.0	1.20
2/99	11	34.5	5.43	3.3	1.6	0.62
6/99	78	67	6.67	4.2	3.9	1.3
9/99	55	21	8.84	8.6	2.6	1.2
12/99	59	23	7.98	7.8	2.8	1.0
3/00	46	19	4.78	4.1	2.7	0.72
6/00	72	32	4.74	4.5	2.5	0.8
9/00	110	69	10.7	11	13	1.5
12/00	130	89	NA	NA	NA	NA
2/01	NA	NA	10.8	12	4.5	1.2
3/01	70	27	4.78	5	3.7	0.75
7/01	60	16	5.41	10	37	2.3
10/01	70	30	8.38	10	5.0	0.97
12/01	50	36	8.96	9.0	4.1	0.86
4/02	34	7.2	4.56	3.8	37	1.5
6/02	43	9.6	3.78	2.8	21	1.4
9/02	42	19	3.93	3.3	19	0.79
1/03	<1.0	15	3.0	0.68	15	0.66
3/03	53	18	2.35	1.8	12	0.57
6/03	13	21	2.4	1.2	10	0.65
9/03	53	20	2.24	1.5	8.9	0.70
12/03	18	19	2.08	1.1	8.2	0.761
3/04	58	12	1.68	1.6	7.3	0.61
6/04	58	9.1	2.09	2.2	7.8	0.52
1/06	70	6.0	1.09	2.2	5.7	0.38
10/06	<1.0	4.7	0.66	1.6	5.2	0.27
10/07	19	3.9	ND	<0.082	<0.015	ND
10/08	330	7.8	0.889	6.6	5.7	ND
10/09	160	5.9	0.505	2.6	5.2	ND
04/10	110	14	0.748	3.4	4.8	0.15
10/10	94	12	0.461	2.4	3.4	ND

DATE	NO_{2+3}	NH_3	ATR	ALA	MET	OTHER
8/95	3.7	<0.1	<0.5	<0.5	<0.5	ND
9/97	30	<0.05	0.048	0.028	<0.10	ND
8/98	11	<0.05	0.07	<0.057	<0.13	ND
9/99	13	<0.50	0.054	<0.12	<0.12	ND
9/00	16	<0.50	<0.134	<0.055	<0.097	ND
10/01	12	<1.0	0.128	<0.034	<0.019	ND
9/02	13	<1.0	0.064	<0.061	<0.063	ND
3/03	12	<1.0	0.164	<0.056	<0.058	0.043
9/03	11	<1.0	ND	<0.030	<0.020	ND
3/04	11	<1.0	ND	<0.025	<0.025	ND
1/06	9.7	<1.0	ND	<0.041	<0.029	ND
10/06	13	<1.0	ND	<0.037	<0.0082	ND
04/10	9.2	NA	NA	NA	NA	NA
10/10	7.7	NA	NA	NA	NA	NA

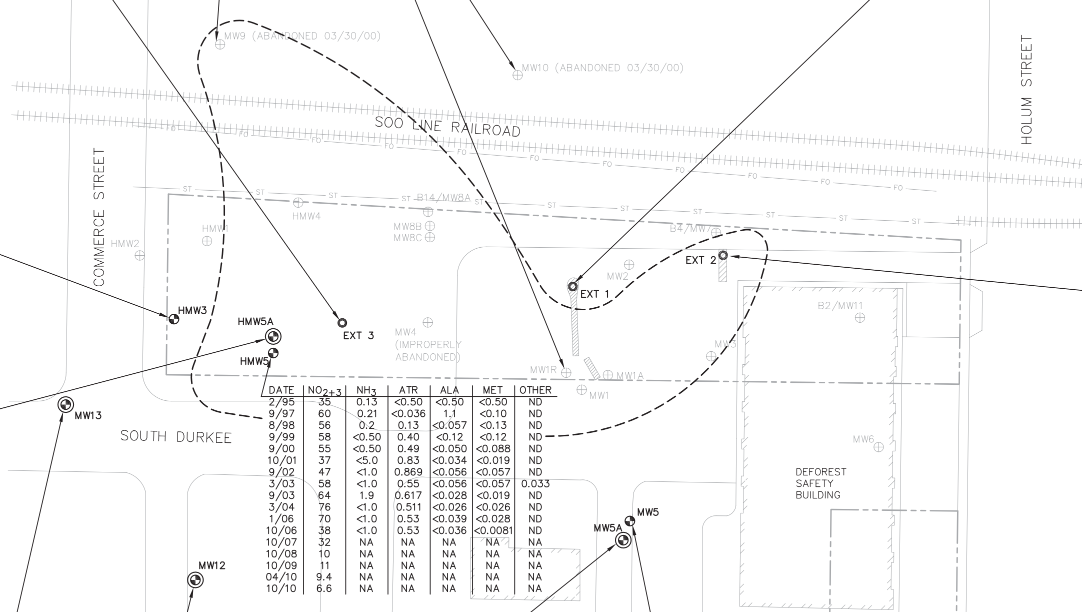
DATE	NO_{2+3}	NH_3	ATR	ALA	MET	OTHER
8/96	472	790	48.9	33	<0.50	1.1
10/96	316	606	24	25	<0.50	10
9/97	247	415	34	21	2.3	7.1
12/97	129	298	NA	NA	NA	NA
3/98	9.5	126	NA	NA	NA	NA
6/98	273	271	NA	NA	NA	NA
8/98	68	122	13.95	6.1	1.4	1.8
12/98	18	8.02	NA	NA	NA	NA
2/99	14	5.26	NA	NA	NA	NA
6/99	25	5.0	NA	NA	NA	NA
9/99	13	3.2	6.12	1.5	0.99	0.24
12/99	14	2.9	NA	NA	NA	NA
3/00	9.4	3.6	NA	NA	NA	NA
6/00	44	40	NA	NA	NA	NA
9/00	61	96	10.19	4.3	1.3	0.97
12/00	11	NA	NA	NA	NA	NA
2/01	91	160	23.8	11	2.9	2.2
3/01	3.5	<1.0	NA	NA	NA	NA
6/01	210	290	23.52	9.8	2.3	1.8
7/01	170	240	NA	NA	NA	NA
10/01	91	130	22.28	11	3.3	1.7
12/01	70	36	13.84	6.5	2.7	0.7
3/02	22	31	NA	NA	NA	NA
6/02	68	98	NA	NA	NA	NA
9/02	120	160	13.92	7.3	2.7	0.86
12/02	160	260	NA	NA	NA	NA
3/03	200	250	14.92	8.2	2.7	0.77
6/03	330	340	NA	NA	NA	NA
9/03	340	320	12.8	9.0	3.6	0.99
12/03	330	520	NA	NA	NA	NA
3/04	290	410	10.88	13	4.4	0.76
6/04	320	470	NA	NA	NA	NA
1/11/06	170	210	14.87	85	13	0.87
1/30/06	NA	NA	16.87	130	15	0.76
10/06	140	170	11.88	98	15	0.61
10/07	77	110	9.68	72	15	0.49
10/08	99	140	5.9	33	6.7	0.29
10/09	76	84	3.53	18	3.8	0.16
04/10	110	140	6.01	24	4.9	0.36
10/10	53	56	0.18	12	2.2	ND

DATE	NO_{2+3}	NH_3	ATR	ALA	MET	OTHER
10/96	0.5	2.1	<0.50	0.67	<0.50	1.3
9/97	3.0	<0.05	<0.036	<0.028	<0.010	ND
12/97	1.56	0.088	NA	NA	NA	NA
8/98	2.6	0.09	<0.30	<0.057	<0.13	ND
9/99	<1.0	<0.50	<0.149	<0.12	<0.12	ND
11/01	1.2	<1.0	<0.039	<0.035	0.15	0.037
9/02	1.7	<1.0	0.036	<0.056	<0.057	ND
3/03	<1.0	<1.0	ND	<0.056	<0.058	ND
9/03	4.9	<1.0	ND	<0.028	<0.019	ND
3/04	4.6	<1.0	0.218	<0.025	<0.025	ND
1/06	2.0	<1.0	ND	<0.039	<0.028	ND
10/06	4.3	<1.0	ND	<0.035	<0.0079	ND
10/07	4.7	<1.0	ND	<0.079	<0.015	ND
10/08	4.2	<1.0	0.020	<0.079	0.032	ND
10/09	6.7	<1.0	ND	<0.079	<0.015	ND
04/10	6.6	NA	NA	NA	NA	NA
10/10	8.2	NA	NA	NA	NA	NA

DATE	NO_{2+3}	NH_3	ATR	ALA	MET	OTHER
2/95	16.0	<0.10	0.7	<0.50	<0.50	ND
9/97	8.3	0.05	0.059	<0.028	<0.10	ND
8/98	9.3	0.08	0.33	<0.057	<0.13	ND
9/99	17	<0.50	0.24	<0.12	<0.12	ND

DATE	NO_{2+3}	NH_3	ATR	ALA	MET	OTHER
10/96	50.6	14	24	9,300	55	ND

DATE	NO_{2+3}	NH_3	ATR	ALA	MET	OTHER
2/95	0.64	<1.0	7.8	2.7	22	ND
9/97	2.5	<0.05	1.6	<0.028	4.9	ND
8/98	4.5	0.05	1.6	0.3	4.1	ND
9/99	3.8	<0.5	2.02	<0.12	3.6	ND



DATE	NO_{2+3}	NH_3	ATR	ALA	MET	OTHER
2/95	35	0.13	<0.50	<0.50	<0.50	ND
9/97	60	0.21	<0.036	1.1	<0.10	ND
8/98	56	0.2	0.13	<0.057	<0.13	ND
9/99	58	<0.50	0.40	<0.12	<0.12	ND
9/00	55	<0.50	0.49	<0.050	<0.088	ND
10/01	37	<5.0	0.83	<0.034	<0.019	ND
9/02	47	<1.0	0.869	<0.056	<0.057	ND
3/03	58	<1.0	0.55	<0.056	<0.057	0.033
9/03	64	1.9	0.617	<0.028	<0.019	ND
3/04	76	<1.0	0.511	<0.026	<0.026	ND
1/06	70	<1.0	0.53	<0.039	<0.028	ND
10/06	38	<1.0	0.53	<0.036	<0.0081	ND
10/07	32	NA	NA	NA	NA	NA
10/08	10	NA	NA	NA	NA	NA
10/09	11	NA	NA	NA	NA	NA
04/10	9.4	NA	NA	NA	NA	NA
10/10	6.6	NA	NA	NA	NA	NA

DATE	NO_{2+3}	NH_3	ATR	ALA	MET	OTHER
2/96	12.8	<0.10	<0.5	<0.5	<0.5	ND
10/96	17.8	7.4	<0.50	<0.50	<0.50	ND
9/97	12	<0.05	<0.036	<0.028	<0.10	ND
8/98	12	0.06	0.14	<0.057	<0.13	ND
9/99	14	<0.50	0.69	<0.12	<0.12	ND
9/00	12	<0.50	0.358	<0.050	<0.088	ND
10/01	5.8	<1.0	0.213	<0.034	<0.019	ND
9/02	3.8	<1.0	0.332	<0.056	<0.058	ND
3/03	2.9	<1.0	0.238	<0.056	0.11	ND
9/03	2.2	<1.0	0.312	<0.028	<0.019	ND
3/04	5.4	<1.0	0.55	<0.027	<0.027	ND
1/06	18	<1.0	1.49	<0.041	0.080	ND
10/07	14	<1.0	1.48	<0.082	1.0	ND
10/08	11	<1.0	2.04	<0.084	0.72	ND
10/09	6.6	<1.0	0.69	<0.081	0.19	ND
04/10	6.3	NA	NA	NA	NA	NA
10/10	5.3	NA	NA	NA	NA	NA

DATE	NO_{2+3}	NH_3	ATR	ALA	MET	OTHER
2/96	27.5	<0.10	<0.6	<0.6	<0.5	ND
10/96	23.4	1.2	<0.50	0.69	<0.50	ND
9/97	18	<0.05	<0.036	<0.028	<0.10	ND
12/97	17.7	0.077	NA	NA	NA	NA
8/98	16	0.09	<0.030	<0.057	<0.13	ND
9/99	17	<0.50	<0.149	<0.12	<0.12	ND
9/00	14	<0.50	<0.12	<0.050	<0.088	ND
10/01	15	<1.0	0.061	<0.034	<0.019	ND
9/02	11	<1.0	0.026	<0.056	<0.057	ND
3/03	13	<1.0	ND	<0.056	<0.058	ND
9/03	11	<1.0	ND	<0.028	<0.019	ND
3/04	11	<1.0	0.036	<0.025	<0.025	ND
1/06	9.4	<1.0	ND	<0.041	<0.030	ND
10/06	9.3	<1.0	ND	<0.036	<0.008	ND
10/07	7.4	<1.0	ND	<0.083	<0.016	ND
10/08	4.6	<1.0	ND	<0.079	<0.015	ND
10/09	2.6	<1.0	ND	<0.080	<0.015	ND
04/10	2.2	NA	NA	NA	NA	NA
10/10	2.2	NA	NA	NA	NA	NA

DATE	NO_{2+3}	NH_3	ATR	ALA	MET	OTHER
2/95	7.0	0.14	3.4	<5.0	<0.50	49.6
9/97	7.7	<0.05	2.96	<0.028	<0.010	0.15
12/97	9	0.115	NA	NA	NA	NA
3/98	58	<0.05	NA	NA	NA	NA
6/98	20	0.50	NA	NA	NA	NA
8/98	3.5	0.07	3.42	<0.057	0.82	0.06
12/98	6.7	<0.25	NA	NA	NA	NA
2/99	4.8	<0.25	NA	NA	NA	NA
6/99	11	<0.50	NA	NA	NA	NA
9/99	9.8	<0.50	2.71	<0.12	1.4	0.087
12/99	7.4	<0.50	NA	NA	NA	NA
3/00	7.3	<0.50	NA	NA	NA	NA
6/00	8.7	<0.50	NA	NA	NA	NA
9/00	8.5	<0.50	1.54	<0.050	1.4	0.11
12/00	48	NA	NA	NA	NA	NA
2/01	4.3	<1.0	1.79	<0.033	1.4	0.16
3/01	14	11	NA	NA	NA	NA
6/01	4.9	<1.0	1.08	<0.033	0.65	0.055
10/01	3.7	<1.0	1.12	<0.034	1.1	0.062
12/01	3.3	<1.0	1.34	<0.035	1.6	0.054
3/02	2.8	<1.0	NA	NA	NA	NA
6/02	3.4	<1.0	NA	NA	NA	NA
9/02	2.8	<1.0	0.77	<0.057	1.1	0.033
12/02	3.1	<1.0	NA	NA	NA	NA
3/03	3.0	<1.0	0.48	<0.056	0.82	0.040
6/03	3.0	<1.0	NA	NA	NA	NA
9/03	2.7	<1.0	0.67	<0.028	0.76	0.090
12/03	3.0	<1.0	NA	NA	NA	NA
3/04	3.4	<1.0	0.68	<0.026	1.5	0.062
6/04	3.9	<1.0	NA	NA	NA	NA
1/06	3.3	<1.0	0.59	<0.039	1.4	ND
10/10	1.7	NA	0.215	<0.021	0.19	ND

DATE	NO_{2+3}	NH_3	ATR	ALA	MET	OTHER
8/96	312	328	411.5	420	170	5.5
7/97	194	237	640.4	750	1400	441.2
8/97	191	167	367.0	720	2700	651.6
9/97	149	108	241.9	420	1300	461.2
12/97	130	93	210	310	570	240.53
3/98	26	67.9	110.4	310	460	68.94
6/98	93	61.4	143.2	220	410	58.44
9/98	140	114	76.57	170	310	94.38
12/98	83	62.9	60.32	130	330	98.49
2/99	78	71.9	67.4	140	260	84.28
6/99	83	110	83.1	160	400	150.57
9/99	65	58	42.7	150	250	71.34
12/99	110	110	51.7	140	290	73.33
3/00	63	50	36.3	110	210	50.32
6/00	51	36	28.7	120	190	44.33
9/00	49	46	29.7	110	200	50.33
12/00	56	37	NA	NA	NA	NA
2/01	NA	NA	21.9	86	130	29.24
3/01	43	36	18.9	62	95	19.23
7/01	36	22	16.69	75	88	15.18
10/01	61	26	20.05	100	93	20.17
12/01	70	52	19.94	93	87	19.12
3/02	77	61	28.97	82	81	18.13
6/02	25	27	13.62	35	92	28.091
9/02	5.8	8.9	7.8	37	25	2.589
1/03	21	7.2	15.15	110	34	2.07
3/03	26	8.0	18.15	170	35	2.13
6/03	13	8.1	17.13	180	24	1.68
9/03	22	9.4	31.63	230	33	2.35
12/03	21	6.2	17.19	110	30	1.89
3/04	17	3.6	18.49	110	43	1.53
6/04	20	3.5	15.73	77	39	0.68
1/06	21	4.0	17.1	87	45	0.84
10/06	11	4.9	10.38	87	46	0.93
10/07	12	1.7	3.83	37	43	0.13
10/08	18	<1.0	0.88	0.67	8.6	ND
10/09	11	<1.0	0.34	0.18	4.2	ND
04/10	6.5	NA	NA	NA	NA	ND
10/10	7.5	<1.0	0.40	2.0	6.6	ND

DATE	NO_{2+3}	NH_3	ATR	ALA	MET	OTHER
7/97	57.7	1.82	124.2	640	27000	560
8/97	60	2.48	228.4	540	6100	742
9/97	45	1.79	101.4	300	3200	392.4
12/97	33.4	0.189	63	160	1900	180.9
3/98	153	0.43	19	97	1800	39.1
6/98	23	0.67	29.12	56	1300	38.7
9/98	18	0.18	12.59	32	980	40.53
12/98	17	0.27	9.12	21	700	28
2/99	13	<0.25	7.71	9.7	260	11.16
6/99	20	<0.50	8.08	23	930	22.50
12/99	10	<0.50	6.56	13	390	11.21
3/00	10	0.70	4.60	7.9	240	6.06
6/00	13	<0.50	2.73	8.0	530	5.58
9/00	24	<0.50	2.76	5.5	2100	5.67
12/00	20	<0.02	NA	NA	NA	NA
2/01	NA	NA	3.49	5.4	210	3.94
3/01	10	<2.0	3.38	4.9	210	3.85
7/01	12	<1.0	2.66	6.3	390	4.439
10/01	5.5	<5.0	2.82	3.3	84	1.969
12/01	6.6	<1.0	2.51	3.1	130	2.461
3/02	10	<1.0	3.81	4.8	190	5.093
6/02	17	<1.0	ND	3.5	900	ND
9/02	12	<1.0	1.15	1.9	1,100	2.06
1/03	15	<1.0	2.67	4.9	240	4.21
3/03	15	<1.0	1.82	1.7	330	2.21
6/03	14	<1.0	2.28	3.8	150	2.482
9/03	18	<1.0	1.53	1.4	400	1.298
12/03	15	<1.0	1.43	1.3	340	1.34
3/04	13	<1.0	1.37	1.2	140	0.92
6/04	9.4	<1.0	1.42	1.4	350	1.397
1/06	6.1	<1.0	1.5	2.3	200	1.46
10/06	6.6	<1.0	0.71	13	260	1.52
10/07	20	NA	0.31	7	290	1.2
10/08	5.3	NA	0.215	0.47	120	0.61
10/09	4.9	NA	0.198	<0.080	68	0.52
04/10	3.0	NA	NA	NA	NA	NA
10/10	3.2	NA	0.22	5.2	140	0.60

N

SCALE: 1" = 50'

NOTES:

1. REMEDIATION SYSTEM WAS SHUT DOWN ON MAY 28, 2002.
2. EXTRACTION WELL EXT2 PUMP WAS RESTARTED ON DECEMBER 17, 2002, AND SHUT DOWN ON JUNE 26, 2003.
3. BASED ON OCTOBER 2010 WATER ELEVATIONS. GROUNDWATER FLOW IS TO THE SOUTHEAST.

LEGEND

- PROPERTY LINE
- FO — FIBER OPTIC TELEPHONE
- ST — STORM SEWER
- RAILROAD TRACKS
- MONITORING WELL
- PIEZOMETER
- EXTRACTION WELL
- ABANDONED MONITORING WELL
- GROUNDWATER COLLECTION TRENCH
- NO_{2+3} — NITRATE + NITRITE – N (mg/l)
- NH_3 — AMMONIA–N (mg/l)
- ATR — ATRAZINE (SUM, INCLUDING DAUGHTER PRODUCTS) (ug/l)
- ALA — ALACHLOR (ug/l)
- MET — METOLACHLOR (ug/l)
- "OTHER" — REFERS TO ALL OTHER DETECTED PESTICIDES. SEE TABLE 1 (ug/l)
- APPROXIMATE HORIZONTAL EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING NR 140 PREVENTIVE ACTION LIMITS AND ENFORCEMENT STANDARDS

PROJECT NO.	925	DRAWN BY:	MT/RR/KP/CS
DRAWN:	10/30/96	CHECKED BY:	MT/RR/DN
REVISED:	05/11/11	APPROVED BY:	AWH 05/16/11

ENGINEER: BT SQUARED, 2830 DAIRY DRIVE MADISON, WI 53718-6751, PHONE: (608) 224-2830

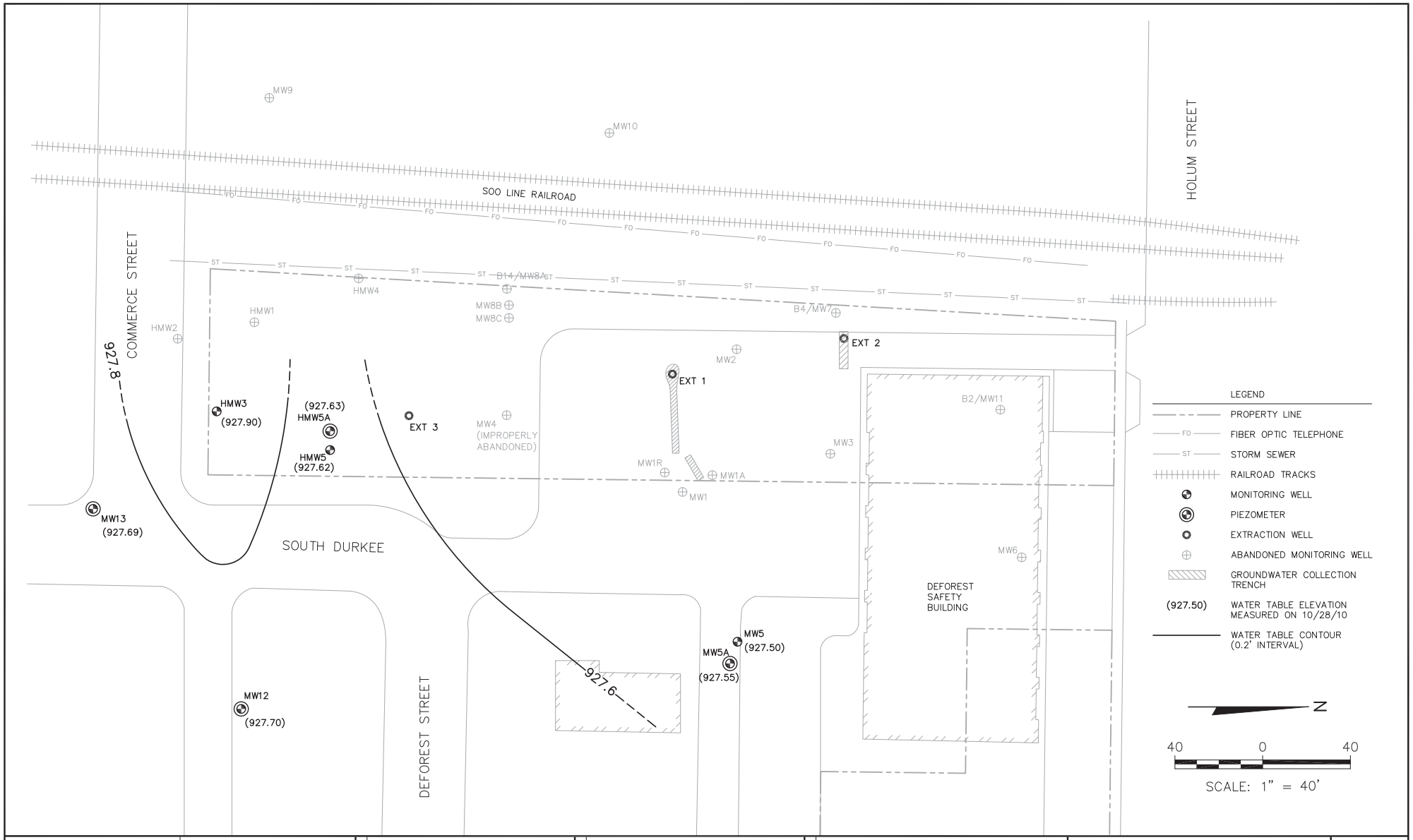
CLIENT: FRONTIER FS COOPERATIVE

SITE: FRONTIER/DANCO PRAIRIE FS COOPERATIVE, DEFOREST, WISCONSIN

GROUNDWATER ISOCONCENTRATION MAP

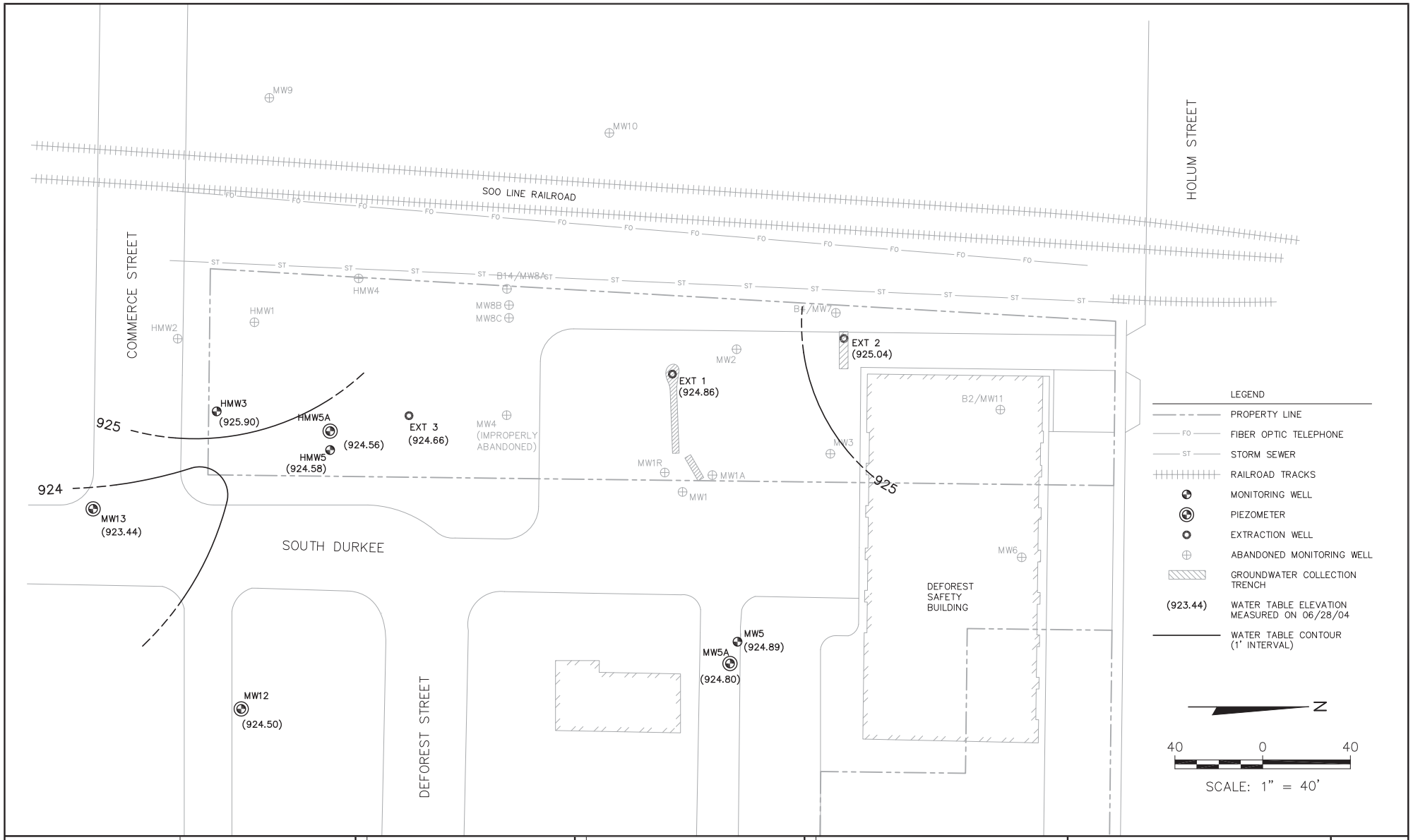
FIGURE 7

\925\Drawings-General\closure\RSLT-W.dwg, 5/18/2011 11:16:13 AM



PROJECT NO.	925	DRAWN BY:	KP	ENGINEER	BT SQUARED 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT: FRONTIER FS COOPERATIVE	SITE: FRONTIER/DANCO PRAIRIE FS COOPERATIVE DEFOREST, WISCONSIN
DRAWN:	11/15/10	CHECKED BY:	AWH				OCTOBER 2010 WATER TABLE MAP
REVISED:	05/11/11	APPROVED BY:	AWH 05/16/11				FIGURE 8

I:\925\Drawings-General\closure\WTBL.dwg, 5/18/2011 11:09:49 AM



PROJECT NO.	925	DRAWN BY:	KP	ENGINEER	BT SQUARED 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT: FRONTIER FS COOPERATIVE	SITE: FRONTIER/DANCO PRAIRIE FS COOPERATIVE DEFOREST, WISCONSIN	JUNE 2004 WATER TABLE MAP	FIGURE
DRAWN:	08/23/04	CHECKED BY:	AWH						9
REVISED:	05/11/11	APPROVED BY:	AWH 05/16/11						

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Table 1
Remaining Soil Field and Analytical Results Summary - Agricultural Chemicals
Frontier/Danco Prairie FS Co-op / BT Squared Project #925

		Location				Soil	Soil Sample Results (all results in mg/kg)														
			Grid Location		Depth	Type	Nitrate+Nitrite		Ammonia as N		Atrazine		Alachlor		Metolachlor		Cyanazine	Pendimethalin	de-i Atrazine	de-e Atrazine	
Sample I.D.	Date	Description	N	E	(ft. bgs)	(USCS)	Field	Laboratory	Field	Laboratory	Field	Laboratory	Field	Laboratory	Field	Laboratory	Laboratory	Laboratory	Laboratory	Laboratory	Notes
CS4 (S11)	04/29/96	east wall	160	95	10-11	Red/brown silty sand (SM)	11	<10	1.2	<10	<0.04/<0.04	<0.083	<0.035/<0.035	<0.083	NA	<0.083	<0.17	<0.083	<0.17	<0.17	
CS6 (S14)	05/02/96	east wall	120	120	7-8	Red/brown silty sand (SM)	17	12	5.5	11.2	0.04	<0.005	0.08	<0.005	NA	<0.005	<0.005	<0.005	<0.010	<0.010	
CS5 (S15)	05/02/96	east wall	140	120	10-11	Dk brown plastic silt (ML)	69	80	5	12.4	<0.04	0.0062	<0.035	<0.005	NA	<0.005	<0.005	<0.005	<0.010	<0.010	
CS7 (S17)	05/03/96	base B	120	100	12-13	Brown/gray silt (ML)	36	35	39	51.8	<0.04/0.08	0.012	<0.035/<0.035	0.049	NA	0.029	<0.005	<0.005	<0.010	<0.010	
CS8 (S18)	05/03/96	base B	140	80	12-13	Brown silty sand (SM)	56	39	1.1	<5.0	0.05	0.0081	0.085	0.072	NA	0.041	<0.005	<0.005	<0.010	<0.010	
CS9 (S26)	05/06/96	east wall	100	135	12	Brown silt (ML)	18	<5.0	1.3	5.6	0.06	<0.005	0.085	<0.005	NA	<0.005	<0.005	<0.005	<0.010	<0.010	
CS10 (S27)	05/06/96	east wall	50	80	11-12	Brown/tan silt (ML)	122	150	15.5	13.2	0.04	<0.005	<0.035	0.067	NA	<0.005	<0.005	<0.005	<0.010	<0.010	
CS11 (S28)	05/06/96	east wall	50	100	11-12	Brown silt (ML)	48	44	70	74.2	0.07	0.01	0.095	0.12	NA	<0.005	<0.005	<0.005	<0.010	<0.010	PID = <3
CS12 (S29)	05/06/96	east wall	50	115	11-12	Brown silt (ML)	9	<5.0	19	24.1	0.07	0.0064	0.21	0.083	NA	<0.005	<0.005	<0.005	<0.010	<0.010	PID = <3
CS13 (S30)	05/06/96	base B	140	100	12-13	Brown silty sand (SM)	102	91	1.3	<5.0	0.06	<0.005	0.125	0.011	NA	<0.005	<0.005	<0.005	<0.010	<0.010	PID = <3
CS14 (S31)	05/06/96	base B/C	120	75	12-13	Brown silty sand (SM)	56	58	1.1	<5.0	0.13/0.14	0.041	<0.035/<0.035	0.116	NA	<0.005	<0.005	<0.005	<0.010	<0.010	PID = <3
CS15 (S32)	05/06/96	base B	100	60	13-14	Brown silty sand (SM)	5	<5.0	0.5	<5.0	0.07/0.07	<0.005	0.175/0.205	0.0093	NA	<0.005	<0.005	<0.005	<0.010	<0.010	PID = 5
CS16 (S34)	05/07/96	wall C	80	135	10-11	Brown/tan silt (ML)	17	13	4.3	<5.0	NA	0.039	NA	0.19	NA	0.079	<0.005	<0.005	<.0.010	<0.010	PID = 6
CS17 (S35)	05/07/96	wall C	60	130	9-10	Brown sandy silt (SM)	6	<5.0	20.5	27.9	NA	0.015	NA	0.83	NA	0.016	<0.005	<0.005	<0.010	<0.010	PID = <3
CS20 (S39)	05/07/96	base E	80	65	15-16	Brown silt (ML)	62	64	155	87.4	NA	0.1	NA	0.018	NA	<0.005	<0.005	<0.005	<0.010	<0.010	
CS21 (S40)	05/07/96	base E	100	80	15-16	Brown silty sand (SM)	21	<5.0	60	<5.0	NA	<0.005	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.010	<0.010	PID = <3
CS22 S41)	05/07/96	base C	100	100	12-13	Brown silty sand (SM)	2	7.6	26.5	18.5	NA	0.034	NA	0.0071	NA	<0.005	<0.005	<0.005	<0.010	<0.010	PID = <3
CS23 (S42)	05/07/96	base C/E	65	120	12-13	Brown silty sand (SM)	13	<5.0	55	<5.0	NA	<0.005	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.010	<0.010	PID = <3
CS24 (S43)	05/07/96	base C/C	60	100	12-13	Brown silty sand (S M)	17	<5.0	7.5	<5.0	NA	<0.005	NA	<0.005	NA	<0.005	<0.005	<0.005	<0.010	<0.010	PID = <3
CS25 (S49)	05/08/96	base transition area E/D	45	65	7-8	Brown silt (ML)	69	62	2.8	<5.0	NA	0.0054	NA	0.028	NA	<0.005	<0.005	<0.005	<0.010	<0.010	
CS36 (S50)	05/14/96	east wall north	200	95	15-16	Brown silt (ML)	10	12	1.3	<5.0	<0.04	<0.005	<0.035	<0.005	<0.04	0.041	<0.005	<0.005	<0.010	<0.010	
CS34 (S51)	05/14/96	north wall east	215	75	14-15	Brown silt (ML)	10	<5.0	2.4	<5.0	<0.04/0.08	0.0086	0.125/0.20	0.097	0.815/0.695	0.412	<0.005	<0.005	<0.010	<0.010	
CS35 (S52)	05/14/96	north wall west	215	55	14-15	Brown/tan silt (ML)	8	<5.0	6.5	<5.0	0.11/0.09	0.0036	<0.035/<0.035	0.205	0.645/0.440	0.230	0.0025	<0.005	<0.010	<0.010	
CS37 (S53)	05/14/96	east wall north	180	95	15-16	Brown silty sand (SM)	4	<5.0	6	<5.0	0.16	<0.005	<0.035	<0.005	<0.04	<0.005	<0.005	<0.005	<0.010	<0.010	
CS29 (S58)	05/15/96	south wall area D	0	45	10	Brown silt (ML)	102	180	46.5	39	<0.02	<0.005	0.04	<0.005	<0.04	0.056	<0.005	<0.005	<0.010	<0.010	
CS32 (S61)	**05/16/96**	**west wall at storm sewer**	**140**	**38**	**11**	**Brown/tan silty sand (SM)**	**13**	**<5.0**	**2.1**	**<5.0**	**<0.02**	**<0.005**	**0.27**	**0.140**	**1.74**	**1.80**	**<0.005**	**<0.005**	**<0.010**	**<0.010**	
CS48 (S62)	05/16/96	west wall 8' west of sewer	140	30	8	Brown silt (ML)	NA	<5.0	NA	<5.0	<0.02	<0.005	0.055	<0.005	<0.04/1.8	0.80	0.05	<0.005	<0.010	<0.010	
CS33 (S64)	**05/16/96**	**east of storm sewer**	**140**	**40**	**11-12**	**Brown/tan silt (ML)**	**4**	**<5.0**	**18**	**<5.0**	**<0.02**	**<0.005**	**0.395**	**0.140**	**>2.5**	**2.70**	**<0.005**	**<0.005**	**<0.010**	**<0.010**	
CS26 (S65)	05/16/96	west wall South	80	40	8-9	Brown/tan silt (ML)	20	20	14.5	<5.0	<0.02	0.0079	0.06	0.023	<0.04	<0.005	<0.005	<0.005	<0.010	<0.010	
CS27 (S66)	05/16/96	west wall South	50	40	8-9	Brown silt (ML)	62	63	37.5	37.8	<0.02/0.025	0.014	0.41/0.275	0.130	0.285	<0.005	<0.005	<0.005	<0.010	<0.010	
CS28 (S67)	05/16/96	north wall D	60	40	8-9	Brown silt (ML)	43	46	74	69.3	<0.02	0.012	0.885	0.078	0.04/<0.04	<0.005	<0.005	<0.005	<0.010	<0.010	
CS31 (S69)	05/16/96	base Area D	20	55	12-13	Brown silty sand (SM)	32	49	14	<5.0	<0.02	0.0071	0.04	0.024	<0.04	<0.005	<0.005	<0.005	<0.010	<0.010	
CS38 (S73)	**05/20/96**	**east of storm sewer**	**160**	**40**	**11-12**	**Brown/tan silt (ML)**	**8**	**<5.0**	**12**	**<5.0**	**NA**	**0.003**	**NA**	**0.109**	**NA**	**2.80**	**<0.005**	**<0.005**	**<0.010**	**<0.010**	
CS49 (S74)	05/20/96	5' west of storm sewer	160	30	8	Brown silt (ML)	7	<5.0	0.75	<5.0	0.04	<0.005	0.09	0.026	0.59	0.046	<0.005	<0.005	<0.010	<0.010	
CS39 (S75)	05/28/96	east of storm sewer	120	40	9-10	Brown silt (ML)	42	63	6.5/4.0	<5.0	0.19	<0.005	>2.3	0.057	NA	<0.005	<0.005	<0.005	<0.010	<0.010	
CS40 (S78)	**05/28/96**	**east of storm sewer**	**100**	**38**	**9-10**	**Brown sandy silt (ML)**	**46**	**130**	**3.75/3.00**	**315**	**>0.95**	**0.445**	**>2.3**	**2.250**	**NA**	**<0.005**	**0.022**	**<0.005**	**<0.010**	**<0.010**	
CS50 (S80)	05/28/96	5' west of storm sewer	100	34	8-9	Tan/brown silt (ML)	37	<5.0	4.85	<5.0	0.05	<0.005	0.54	0.0056	0.30	0.096	<0.005	<0.005	<0.010	<0.010	
CS44 (S78)	05/28/96	east wall area D	20	75	8-9	Brown silty sand (SM)	6	<5.0	10/15	<5.0	0.04	<0.005	0.06	<0.005	NA	<0.005	<0.005	<0.005	<0.010	<0.010	
CS41 (S84)	05/28/96	east of storm sewer	215	45	9-10	Brown silt (ML)	4	<5.0	2.5/1.0	<5.0	0.06/0.07	<0.005	0.07/0.10	<0.005	0.73	<0.005	0.011	<0.005	<0.010	<0.010	
CS42 (S87)	05/28/96	east of storm sewer	200	42	9-10	Brown silt (ML)	6	<5.0	1.75/3.00	<5.0	0.15	0.059	0.38	0.200	>2.5 (5)	<0.005	0.200	<0.005	<0.010	<0.010	
CS43 (S90)	05/28/96	east of storm sewer	180	40	9-10	Brown silty sand (SM)	8	<5.0	2.0/3.0	<5.0	0.02	<0.005	0.09	0.020	0.12	<0.005	<0.005	<0.005	<0.010	<0.010	
CS45 (S93)	**05/28/96**	**area D 5' west of sewer**	**30**	**28**	**8**	**Brown sandy silt (ML)**	**54**	**62**	**215/300**	**209**	**0.03**	**<0.005**	**0.12**	**0.050**	**0.14**	**<0.005**	**<0.005**	**<0.005**	**<0.010**	**<0.010**	
CS46 (S94)	05/28/96	area D 5' west of sewer	20	28	8	Brown silt (ML)	30	31	160/150	98.8	0.2	<0.005	0.11	0.090	0.05	<0.005	<0.005	<0.005	<0.010	<0.010	
CS47 (S95)	05/28/96	south wall area D	0	35	8	Brown silt (ML)	17	29	115/100	68.1	0.03	<0.005	0.06	0.035	0.06	<0.005	<0.005	<0.005	<0.010	<0.010	

NOTES: bgs = below ground surface as measured from east edge of excavation.
115/100 = duplicate field screening results
NA = not analyzed

Samples in **bold text** indicate CLOSURE sample from soil left in place that exceeded the site cleanup goals of 1 mg/kg total pesticide or 250 mg/kg total nitrogen.

Table 2
Groundwater Analytical Results Summary - Agricultural
Frontier/Danco Prairie FS Co-op / BT Squared Project #925
Post-Excavation Results

Well ID	Date	Pesticides (µg/l)								Nitrogen (mg/l)	
		Alachlor	Atrazine	Cyanazine	EPTC	Metolachlor	Pend.	De-i Atr.	De-e Atr.	$NO^2 + NO^3$	Ammonia
MW1R	Oct-96	**9,300**	**24**	<0.50	<0.50	55	<0.50	<1.0	<1.0	**50.6**	**14**
(abandoned) (dup.)	Oct-96	**7,500**	**27**	<0.50	<0.50	94	<0.50	<1.0	<1.0	**52.4**	**11.6**
MW5	Sep-97	<0.028	2.8	0.15	<0.054	<0.10	<0.039	<0.075	0.16	7.7	<0.05
	Dec-97	NA	NA	NA	NA	NA	NA	NA	NA	9.0	0.115
	Mar-98	NA	NA	NA	NA	NA	NA	NA	NA	**58**	<0.05
	Jun-98	NA	NA	NA	NA	NA	NA	NA	NA	**20**	0.50
	Aug-98	<0.057	**2.7**	0.06	<0.041	0.82	<0.034	**0.24**	**0.48**	3.5	0.07
	Dec-98	NA	NA	NA	NA	NA	NA	NA	NA	6.7	<0.25
	Feb-99	NA	NA	NA	NA	NA	NA	NA	NA	4.8	<0.25
	Jun-99	NA	NA	NA	NA	NA	NA	NA	NA	**11**	<0.50
	Sep-99	<0.12	1.8	0.087	<0.062	1.4	<0.062	0.56	0.35	9.8	<0.50
	Dec-99	NA	NA	NA	NA	NA	NA	NA	NA	7.4	<0.50
	Mar-00	NA	NA	NA	NA	NA	NA	NA	NA	7.3	<0.50
	Jun-00	NA	NA	NA	NA	NA	NA	NA	NA	8.7	<0.50
	Sep-00	<0.050	1.3	0.11	<0.028	1.4	<0.023	<0.065	0.24	8.5	<0.50
	Dec-00	NA	NA	NA	NA	NA	NA	NA	NA	**48**	NA
	Feb-01	<0.033	1.1	0.16	<0.011	1.4	<0.012	0.44	0.25	4.3	<1.0
	Mar-01	NA	NA	NA	NA	NA	NA	NA	NA	**14**	11
	Jun-01	<0.033	0.60	0.055	<0.011	0.65	<0.012	0.29	0.19	4.9	<1.0
	Oct-01	<0.034	0.79	0.062	<0.011	1.1	<0.012	0.19	0.14	3.7	<1.0
	Dec-01	<0.035	0.94	0.054	<0.012	1.6	<0.012	0.25	0.15	3.3	<1.0
	Mar-02	NA	NA	NA	NA	NA	NA	NA	NA	2.8	<1.0
	Jun-02	NA	NA	NA	NA	NA	NA	NA	NA	3.4	<1.0
	Sep-02	<0.057	0.53	0.033	<0.013	1.1	<0.020	0.13	0.11	2.8	<1.0
	Dec-02	NA	NA	NA	NA	NA	NA	NA	NA	3.1	<1.0
	Mar-03	<0.056	0.23	0.040	<0.013	0.82	<0.020	0.13	0.12	3.0	<1.0
	Jun-03	NA	NA	NA	NA	NA	NA	NA	NA	3.0	<1.0
	Sep-03	<0.028	0.26	0.090	<0.053	0.76	<0.0093	0.23	0.18	2.7	<1.0
	Dec-03	NA	NA	NA	NA	NA	NA	NA	NA	3.0	<1.0
	Mar-04	<0.026	0.22	0.062	<0.013	1.5	<0.012	0.28	0.18	3.4	<1.0
	Jun-04	NA	NA	NA	NA	NA	NA	NA	NA	3.9	<1.0
	Jan-06	<0.039	0.25	<0.068	<0.059	1.4	<0.033	0.19	0.15	3.3	<1.0
	Oct-10	<0.021	0.16	<0.034	<0.051	0.19	<0.024	<0.033	0.055 J	1.7	NA

Table 2
Groundwater Analytical Results Summary - Agricultural
Frontier/Danco Prairie FS Co-op / BT Squared Project #925
Post-Excavation Results

Well ID	Date	Pesticides (µg/l)								Nitrogen (mg/l)	
		Alachlor	Atrazine	Cyanazine	EPTC	Metolachlor	Pend.	De-i Atr.	De-e Atr.	$NO^2 + NO^3$	Ammonia
MW5A	Oct-96	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**17.8**	7.4
	Sep-97	<0.028	<0.036	<0.031	<0.054	<0.10	<0.039	<0.075	<0.073	**12**	<0.05
	Aug-98	<0.057	0.05	<0.017	<0.041	<0.13	<0.034	<0.080	0.09	**12**	0.06
	Sep-99	<0.12	0.07	<0.025	<0.062	<0.12	<0.062	0.25	0.37	**14**	<0.50
	Sep-00	<0.050	0.068	<0.016	<0.028	<0.088	<0.023	<0.065	0.29	**12**	<0.50
	Oct-01	<0.034	0.053	<0.0076	<0.011	<0.019	<0.012	<0.017	0.16	5.8	<1.0
	Sep-02	<0.056	0.042	<0.0044	<0.013	<0.058	<0.020	0.14	0.15	3.8	<1.0
	Mar-03	<0.056	0.044	<0.0044	<0.013	0.11	<0.020	0.094	0.10	2.9	<1.0
	Sep-03	<0.028	0.052	<0.047	<0.053	<0.019	<0.0093	0.13	0.13	2.2	<1.0
	Mar-04	<0.027	0.070	<0.0052	<0.013	<0.027	<0.012	0.26	0.22	5.4	<1.0
	Jan-06	<0.041	0.33	<0.073	<0.063	0.080	<0.035	0.55	0.61	**18**	<1.0
	Oct-07	<0.082	0.13	<0.056	<0.025	1.0	<0.027	0.61	0.74	**14**	<1.0
	Oct-08	<0.084	0.16	<0.057	<0.026	0.72 B	<0.028	0.93	0.95	**11**	<1.0
	Oct-09	<0.081	0.12	<0.055	<0.025	0.19	<0.027	0.30	0.27	6.6	<1.0
	Apr-10	NA	NA	NA	NA	NA	NA	NA	NA	6.3	NA
	Oct-10	NA	NA	NA	NA	NA	NA	NA	NA	5.3	NA
MW9 (abandoned)	Sep-97	<0.028	<0.059	<0.031	<0.054	<0.10	<0.039	<0.075	<0.073	8.3	0.05
	Aug-98	<0.057	0.25	<0.017	<0.041	<0.13	<0.034	<0.080	0.08	9.3	0.08
	Sep-99	<0.12	0.12	<0.025	<0.062	<0.12	<0.062	<0.062	0.12	**17**	<0.50
MW10 (abandoned)	Sep-97	<0.028	1.4	<0.031	<0.054	4.9	<0.039	<0.075	0.2	2.5	<0.05
	Aug-98	0.3	1.1	<0.017	<0.041	4.1	<0.034	0.13	0.37	4.5	0.05
	Sep-99	<0.12	0.86	<0.025	<0.062	3.6	<0.062	0.48	0.68	3.8	<0.5
MW12	Oct-96	0.69	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**23.4**	1.2
	Sep-97	<0.028	<0.036	<0.031	<0.054	<0.10	<0.039	<0.075	<0.073	**18**	<0.05
	Dec-97	NA	NA	NA	NA	NA	NA	NA	NA	**17.7**	0.077
	Aug-98	<0.057	<0.030	<0.017	<0.041	<0.13	<0.034	<0.080	<0.025	**16**	0.09
	Sep-99	<0.12	<0.025	<0.025	<0.062	<0.12	<0.062	<0.062	<0.062	**17**	<0.50
	Sep-00	<0.050	<0.010	<0.016	<0.028	<0.088	<0.023	<0.065	<0.045	**14**	<0.50
	Oct-01	<0.034	0.020	<0.0076	<0.011	<0.019	<0.012	<0.017	0.041	**15**	<1.0
	Sep-02	<0.056	<0.017	<0.0044	<0.013	<0.057	<0.019	<0.014	0.026	**11**	<1.0
	Mar-03	<0.056	<0.017	<0.0044	<0.013	<0.058	<0.020	<0.014	<0.0089	**13**	<1.0
	Sep-03	<0.028	<0.033	<0.047	<0.054	<0.019	<0.0094	<0.038	<0.014	**11**	<1.0
	Mar-04	<0.025	<0.0050	<0.0050	<0.013	<0.025	<0.012	<0.0097	0.036	**11**	<1.0
	Jan-06	<0.041	<0.029	<0.073	<0.064	<0.030	<0.035	<0.099	<0.080	9.4	<1.0
	Oct-06	<0.036	<0.020	<0.038	<0.036	<0.0080	<0.012	<0.029	<0.028	9.3	<1.0
	Oct-07	<0.083	<0.019	<0.056	<0.025	<0.016	<0.027	<0.042	<0.019	7.4	<1.0
	Oct-08	<0.079	<0.019	<0.054	<0.024	<0.015	<0.026	<0.040	<0.019	4.6	<1.0
	Oct-09	<0.080	<0.019	<0.055	<0.025	<0.015	<0.026	<0.041	<0.019	2.6	<1.0
	Apr-10	NA	NA	NA	NA	NA	NA	NA	NA	2.2	NA
	Oct-10	NA	NA	NA	NA	NA	NA	NA	NA	2.2	NA

Table 2
Groundwater Analytical Results Summary - Agricultural
Frontier/Danco Prairie FS Co-op / BT Squared Project #925
Post-Excavation Results

Well ID	Date	Pesticides (µg/l)								Nitrogen (mg/l)	
		Alachlor	Atrazine	Cyanazine	EPTC	Metolachlor	Pend.	De-i Atr.	De-e Atr.	$NO^2 + NO^3$	Ammonia
MW13	Oct-96	0.67	<0.50	<0.50	1.3	<0.50	<0.50	<1.0	<1.0	0.5	2.1
	Sep-97	<0.028	<0.036	<0.031	<0.054	<0.10	<0.039	<0.075	<0.073	3.0	<0.05
	Dec-97	NA	NA	NA	NA	NA	NA	NA	NA	1.56	0.088
	Aug-98	<0.057	<0.030	<0.017	<0.041	<0.13	<0.034	<0.080	<0.025	2.6	0.09
	Sep-99	<0.12	<0.025	<0.025	<0.062	<0.12	<0.062	<0.062	<0.062	<1.0	<0.50
	Nov-01	<0.035	<0.0063	0.037	<0.012	0.15	<0.012	<0.017	<0.016	1.2	<1.0
	Sep-02	<0.056	<0.017	<0.0044	<0.013	<0.057	<0.019	0.016	0.020	1.7	<1.0
	Mar-03	<0.056	<0.017	<0.0044	<0.013	<0.058	<0.020	<0.014	<0.0089	<1.0	<1.0
	Sep-03	<0.028	<0.033	<0.047	<0.053	<0.019	<0.0093	<0.037	<0.014	4.9	<1.0
	Mar-04	<0.025	0.036	<0.0050	<0.013	<0.025	<0.012	0.072	0.11	4.6	<1.0
	Jan-06	<0.039	<0.027	<0.070	<0.061	<0.028	<0.033	<0.094	<0.076	2.0	<1.0
	Oct-06	<0.035	<0.020	<0.037	<0.035	<0.0079	<0.011	<0.029	<0.028	4.3	<1.0
	Oct-07	<0.079	<0.019	<0.054	<0.024	<0.015	<0.026	<0.040	<0.019	4.7	<1.0
	Oct-08	<0.079	<0.019	<0.054	<0.024	0.032	<0.026	<0.040	0.020	4.2	<1.0
	Oct-09	<0.079	<0.019	<0.054	<0.024	<0.015	<0.026	<0.040	<0.019	6.7	<1.0
	Apr-10	NA	NA	NA	NA	NA	NA	NA	NA	6.6	NA
	Oct-10	NA	NA	NA	NA	NA	NA	NA	NA	8.2	NA
HMW3	Sep-97	<0.028	0.048	<0.031	<0.054	<0.10	<0.039	<0.075	<0.073	**30**	<0.05
	Aug-98	<0.057	0.07	<0.017	<0.041	<0.13	<0.034	<0.080	<0.025	**11**	<0.05
	Sep-99	<0.12	0.054	<0.025	<0.062	<0.12	<0.062	<0.062	<0.062	**13**	<0.50
	Sep-00	<0.055	<0.012	<0.018	<0.031	<0.097	<0.025	<0.072	<0.050	**16**	<0.50
	Oct-01	<0.034	0.047	<0.0076	<0.011	<0.019	<0.012	<0.017	0.081	**12**	<1.0
	Sep-02	<0.061	0.041	<0.0047	<0.014	<0.063	<0.021	<0.015	0.023	**13**	<1.0
	Mar-03	<0.056	0.060	0.043	<0.013	<0.058	<0.020	0.055	0.049	**12**	<1.0
	Sep-03	<0.030	<0.035	<0.050	<0.057	<0.020	<0.010	<0.040	<0.015	**11**	<1.0
	Mar-04	<0.025	<0.0050	<0.0050	<0.013	<0.025	<0.012	<0.0097	<0.012	**11**	<1.0
	Jan-06	<0.041	<0.028	<0.072	<0.063	<0.029	<0.034	<0.097	<0.078	9.7	<1.0
	Oct-06	<0.037	<0.021	<0.039	<0.037	<0.0082	<0.012	<0.030	<0.029	**13**	<1.0
	Apr-10	NA	NA	NA	NA	NA	NA	NA	NA	9.2	NA
	Oct-10	NA	NA	NA	NA	NA	NA	NA	NA	7.7	NA
HMW5	Sep-97	1.1	<0.036	<0.031	<0.054	<0.10	<0.039	<0.075	<0.073	**60**	0.21
	Aug-98	<0.057	<0.030	<0.017	<0.041	<0.13	<0.034	<0.080	0.13	**56**	0.2
	Sep-99	<0.12	<0.025	<0.025	<0.062	<0.12	<0.062	<0.062	0.40	**58**	<0.50
	Sep-00	<0.050	<0.010	<0.016	<0.028	<0.088	<0.023	<0.065	0.49	**55**	<0.50
	Oct-01	<0.034	<0.0062	<0.0076	<0.011	<0.019	<0.012	<0.017	0.83	**37**	<5.0
	Sep-02	<0.056	<0.017	<0.0044	<0.013	<0.057	<0.019	0.049	0.82	**47**	<1.0
	Mar-03	<0.056	0.040	0.033	<0.013	<0.057	<0.019	<0.014	0.51	**58**	<1.0
	Sep-03	<0.028	<0.033	<0.047	<0.053	<0.019	<0.0093	0.057	0.56	**64**	1.9

Table 2
Groundwater Analytical Results Summary - Agricultural
Frontier/Danco Prairie FS Co-op / BT Squared Project #925
Post-Excavation Results

Well ID	Date	Pesticides (µg/l)								Nitrogen (mg/l)	
		Alachlor	Atrazine	Cyanazine	EPTC	Metolachlor	Pend.	De-i Atr.	De-e Atr.	$NO^2 + NO^3$	Ammonia
HMW5 (cont.)	Mar-04	<0.026	<0.0052	<0.0051	<0.013	<0.026	<0.012	0.041	0.47	76	<1.0
	Jan-06	<0.039	<0.027	<0.069	<0.060	<0.028	<0.033	<0.093	0.53	70	<1.0
	Oct-06	<0.036	<0.021	<0.038	<0.036	<0.0081	<0.012	<0.029	0.53	38	<1.0
	Oct-07	NA	NA	NA	NA	NA	NA	NA	NA	32	NA
	Oct-08	NA	NA	NA	NA	NA	NA	NA	NA	10	NA
	Oct-09	NA	NA	NA	NA	NA	NA	NA	NA	11	NA
	Apr-10	NA	NA	NA	NA	NA	NA	NA	NA	9.4	NA
	Oct-10	NA	NA	NA	NA	NA	NA	NA	NA	6.6	NA
HMW5A	Aug-96	33	47	1.1	<0.50	<0.50	<0.50	<1.0	1.9	472	790
	Oct-96	25	24	10	<0.50	<0.50	<0.50	<1.0	<1.0	316	606
	Sep-97	21	34	7.1	<0.054	2.3	<0.039	<0.075	<0.073	247	415
	Dec-97	NA	NA	NA	NA	NA	NA	NA	NA	129	298
	Mar-98	NA	NA	NA	NA	NA	NA	NA	NA	9.5	126
	Jun-98	NA	NA	NA	NA	NA	NA	NA	NA	273	271
	Aug-98	6.1	13	1.8	<0.041	1.4	<0.034	0.17	0.78	68	122
	Dec-98	NA	NA	NA	NA	NA	NA	NA	NA	18	8.02
	Feb-99	NA	NA	NA	NA	NA	NA	NA	NA	14	5.26
	Jun-99	NA	NA	NA	NA	NA	NA	NA	NA	25	5.0
	Sep-99	1.5	4.5	0.24	<0.062	0.99	<0.062	0.52	1.1	13	3.2
	Dec-99	NA	NA	NA	NA	NA	NA	NA	NA	14	2.9
	Mar-00	NA	NA	NA	NA	NA	NA	NA	NA	9.4	3.6
	Jun-00	NA	NA	NA	NA	NA	NA	NA	NA	44	40
	Sep-00	4.3	8.8	0.97	<0.031	1.3	<0.025	0.41	0.98	61	96
	Dec-00	NA	NA	NA	NA	NA	NA	NA	NA	11	NA
	Feb-01	11	22	2.2	<0.012	2.9	<0.013	0.50	1.3	91	160
	Mar-01	NA	NA	NA	NA	NA	NA	NA	NA	3.5	<1.0
	Jun-01	9.8	22	1.8	<0.011	2.3	<0.012	0.42	1.1	210	290
	Jul-01	NA	NA	NA	NA	NA	NA	NA	NA	170	240
	Oct-01	11	21	1.7	<0.012	3.3	<0.012	0.43	0.85	91	130
	Dec-01	6.5	13	0.70	<0.011	2.7	<0.012	0.26	0.58	70	36
	Mar-02	NA	NA	NA	NA	NA	NA	NA	NA	22	31
	Jun-02	NA	NA	NA	NA	NA	NA	NA	NA	68	98

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Post-Excavation Results

Well ID	Date	Pesticides (µg/l)								Nitrogen (mg/l)	
		Alachlor	Atrazine	Cyanazine	EPTC	Metolachlor	Pend.	De-i Atr.	De-e Atr.	$NO^2 + NO^3$	Ammonia
HMW5A (cont.)	Sep-02	7.3	13	0.86	<0.013	2.7	<0.019	0.33	0.59	120	160
	Dec-02	NA	NA	NA	NA	NA	NA	NA	NA	160	260
	Mar-03	8.2	14	0.77	<0.013	2.7	<0.020	0.33	0.59	200	250
	Jun-03	NA	NA	NA	NA	NA	NA	NA	NA	330	340
	Sep-03	9.0	12	0.99	<0.053	3.6	<0.0093	0.43	0.37	340	320
	Dec-03	NA	NA	NA	NA	NA	NA	NA	NA	330	520
	Mar-04	13	10	0.76	<0.013	4.4	<0.012	0.62	0.26	290	410
	Jun-04	NA	NA	NA	NA	NA	NA	NA	NA	320	470
	Jan-06	85	14	0.87	<0.060	13	<0.033	0.49	0.38	170	210
	Jan-06	130	16	0.76	<0.035	15	<0.011	0.51	0.36	NA	NA
	Oct-06	98	11	0.61	<0.036	15	<0.012	0.57	0.31	140	170
	Oct-07	72	8.9	0.49	<0.025	15	<0.027	0.56	0.22	77	110
	Oct-08	33	5.2	0.29	<0.026	6.7 B	<0.028	0.51	0.19	99	140
	Oct-09	18	3.2	0.16	<0.025	3.8	<0.026	0.22	0.11	76	84
	Apr-10	24 D	5.5	0.36 HC	<0.048	4.9	<0.023	0.36 HC	0.15	110	140
	Oct-10	12 D	<0.021	<0.033	<0.050	2.2	<0.024	0.091 J	0.089 J	53	56
EXT1	Aug-96	420	407	5.5	<0.50	170	<0.50	<1.0	4.5	312	328
	Jul-97	750	630	440	1.2	1400	<0.039	4.2	6.2	NA	237
	Aug-97	720	360	650	1.6	2700	<0.039	1.9	5.1	191	167
	Sep-97	420	240	460	1.2	1300	<0.039	1.9	<0.073	149	108
	Dec-97	310	210	240	0.53	570	<0.039	<0.075	<0.073	130	93
	Mar-98	310	110	68	0.94	460	<0.039	0.38	<0.073	26	67.9
	Jun-98	220	140	58	0.44	410	<0.25	1.2	2.0	93	61.4
	Sep-98	170	73	94	0.38	310	<0.034	0.67	2.9	140	114
	Dec-98	130	58	98	0.49	330	<0.034	0.22	2.1	83	62.9
	Feb-99	140	62	84	0.28	260	<0.033	1.9	3.5	78	71.9
	Jun-99	160	75	150	0.57	400	<0.062	3.2	4.9	83	110
	Sep-99	150	38	71	0.34	250	<0.062	1.6	3.1	65	58
	Dec-99	140	46	73	0.33	290	<0.023	2.0	3.7	110	110
	Mar-00	110	32	50	0.32	210	<0.022	1.6	2.7	63	50
	Jun-00	120	25	44	0.33	190	<0.022	1.4	2.3	51	36
	Sep-00	110	26	50	0.33	200	<0.023	1.4	2.3	49	46
	Dec-00	NA	NA	NA	NA	NA	NA	NA	NA	56	37
	Feb-01	86	19	29	0.24	130	<0.012	1.1	1.8	NA	NA
	Mar-01	62	16	19	0.23	95	<0.013	1.2	1.7	43	36
	Jul-01	75	15	15	0.18	88	<0.012	0.69	1.0	36	22
	Oct-01	100	18	20	0.17	93	<0.012	0.85	1.2	61	26
	Dec-01	93	18	19	0.12	87	<0.012	0.74	1.2	70	52

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Post-Excavation Results

Well ID	Date	Pesticides (µg/l)								Nitrogen (mg/l)	
		Alachlor	Atrazine	Cyanazine	EPTC	Metolachlor	Pend.	De-i Atr.	De-e Atr.	$NO^2 + NO^3$	Ammonia
EXT1 (cont.)	Mar-02	82	27	18	0.13	81	<0.022	0.77	1.2	77	61
	Jun-02	35	12	28	0.091	92	<0.017	0.75	0.87	25	27
	Sep-02	37	6.9	2.5	0.089	25	<0.021	0.32	0.58	5.8	8.9
	Jan-03	110	14	1.8	0.27	34	<0.021	0.43	0.72	21	7.2
	Mar-03	170	17	1.6	0.53	35	<0.020	0.43	0.72	26	8.0
	Jun-03	180	16	1.1	0.58	24	<0.0094	0.40	0.73	13	8.1
	Sep-03	230	30	1.6	0.75	33	<0.0093	0.63	1.0	22	9.4
	Dec-03	110	16	1.3	0.59	30	<0.0093	0.47	0.72	21	6.2
	Mar-04	110	17	0.89	0.64	43	<0.011	0.66	0.83	17	3.6
	Jun-04	77	15	0.47	0.21	39	<0.012	0.29	0.44	20	3.5
	Jan-06	87	16	0.50	0.34	45	<0.033	0.48	0.62	21	4.0
	Oct-06	87	9.4	0.43	0.50	46	<0.011	0.55	0.43	11	4.9
	Oct-07	37	3.3	<0.056	0.13	43	<0.027	0.26	0.27	12	1.7
	Oct-08	0.67	0.38	<0.055	<0.025	8.6 B	<0.027	0.26	0.24	18	<1.0
(dup)	Oct-08	0.71	0.38	<0.055	<0.025	9.0 B	<0.027	0.29	0.24	9.6	<1.0
	Oct-09	0.18	0.18	<0.054	<0.024	4.2	<0.026	<0.040	0.16	11	<1.0
	Apr-10	NA	NA	NA	NA	NA	NA	NA	NA	6.5	NA
	Oct-10	2.0	0.23	<0.032	<0.048	6.6	<0.023	<0.031	0.17	7.5	<1.0
(dup)	Oct-10	1.8	0.26	<0.033	<0.049	6.1	<0.023	<0.032	0.19	7.5	<1.0
EXT2	Jul-97	640	120	560	5.1	27000	<0.50	1.5	2.7	NA	1.82
	Aug-97	540	220	740	2.0	6100	<0.039	1.7	6.7	60	2.48
	Sep-97	300	100	390	2.4	3200	<0.039	1.4	<0.073	45	1.79
	Dec-97	160	63	180	0.89	1900	<0.039	<0.075	<0.073	33.4	0.189
	Mar-98	97	19	37	2.1	1800	<0.039	<0.075	<0.073	153	0.43
	Jun-98	56	27	38	0.66	1300	<0.25	0.62	1.5	23	0.67
	Sep-98	32	11	40	0.53	980	<0.034	0.29	1.3	18	0.18
	Dec-98	21	7.5	28	<0.041	700	<0.034	0.42	1.2	17	0.27
	Feb-99	9.7	5.6	11	0.16	260	<0.033	0.81	1.3	13	<0.25
	Jun-99	23	5.7	22	0.50	930	<0.062	0.68	1.7	20	<0.50
	Dec-99	13	4.3	11	0.21	390	<0.023	0.86	1.4	10	<0.50
	Mar-00	7.9	3.0	5.9	0.16	240	<0.022	0.61	0.99	10	0.70
	Jun-00	8.0	1.5	5.4	0.18	530	<0.022	0.50	0.73	13	<0.50
	Sep-00	5.5	0.77	5.1	0.57	2100	<0.023	0.89	1.1	24	<0.50
	Dec-00	NA	NA	NA	NA	NA	NA	NA	NA	20	<0.02
	Feb-01	5.4	2.1	3.8	0.14	210	<0.012	0.52	0.87	NA	NA
	Mar-01	4.9	1.9	3.5	0.14	210	0.21	0.60	0.88	10	<2.0
	Jul-01	6.3	1.7	4.2	0.16	390	0.079	0.40	0.56	12	<1.0
	Oct-01	3.3	1.8	1.9	0.069	84	<0.012	0.40	0.62	5.5	<5.0
	Dec-01	3.1	1.6	2.4	0.061	130	<0.012	0.32	0.59	6.6	<1.0

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Post-Excavation Results

Well ID	Date	Pesticides (µg/l)								Nitrogen (mg/l)	
		Alachlor	Atrazine	Cyanazine	EPTC	Metolachlor	Pend.	De-i Atr.	De-e Atr.	$NO^2 + NO^3$	Ammonia
EXT2 (cont.)	Mar-02	4.8	2.6	5.0	0.093	190	<0.023	0.46	0.75	10	<1.0
	Jun-02	3.5	<0.98	<0.79	<2.6	900	<0.68	<2.5	<1.1	17	<1.0
	Sep-02	1.9	0.67	1.9	0.16	1100	<0.020	0.16	0.32	12	<1.0
	Jan-03	4.9	1.8	4.1	0.11	240	<0.020	0.34	0.53	15	<1.0
	Mar-03	1.7	1.1	2.1	0.11	330	<0.020	0.28	0.44	15	<1.0
	Jun-03	3.8	1.5	2.4	0.082	150	<0.0093	0.30	0.48	14	<1.0
	Sep-03	1.4	0.62	1.2	0.098	400	<0.0094	0.45	0.46	18	<1.0
	Dec-03	1.3	0.50	1.2	0.14	340	<0.0093	0.47	0.46	15	<1.0
	Mar-04	1.2	0.37	0.61	0.31	140	<0.011	0.47	0.53	13	<1.0
	Jun-04	1.4	0.55	1.3	0.097	350	<0.012	0.39	0.48	9.4	<1.0
	Jan-06	2.3	0.35	1.4	0.060	200	<0.031	0.54	0.61	6.1	<1.0
	Oct-06	13	0.27	1.4	0.12	260	<0.011	<0.028	0.44	6.6	<1.0
	Oct-07	7.0	0.19	1.2	<0.024	290	<0.026	<0.040	0.12	20	NA
	Oct-08	0.47	0.12	0.61	<0.025	120	<0.026	<0.041	0.095	5.3	NA
	Oct-09	<0.080	0.088	0.37	<0.025	68	0.15	<0.041	0.11	4.9	NA
	Apr-10	NA	NA	NA	NA	NA	NA	NA	NA	3.0	NA
	Oct-10	5.2	0.11 J	0.60	<0.050	140 D	<0.024	<0.032	0.11 J	3.2	NA
EXT3	Jul-97	4.0	4.5	1.3	<0.054	1.0	<0.039	<0.075	0.22	NA	48.1
	Aug-97	9.4	14	2.4	<0.054	1.8	<0.039	<0.075	0.47	207	112
	Sep-97	9.3	15	3.5	<0.054	2.3	<0.039	0.16	0.1	165	94.8
	Dec-97	48	26	58	0.2	450	<0.039	<0.075	<0.073	55.9	24.4
	Mar-98	4.2	3.2	0.85	<0.054	1.2	<0.039	<0.075	<0.073	76	74.7
	Jun-98	2.7	3.5	0.80	<0.047	3.2	<0.13	0.24	0.50	149	13.8
	Sep-98	17	20	2.3	<0.041	3.3	<0.034	<0.080	0.83	100	43
	Dec-98	3.4	4.1	1.2	<0.043	3.0	<0.035	<0.214	0.49	100	71.9
	Feb-99	3.3	4.3	0.62	<0.033	1.6	<0.033	0.31	0.82	11	34.5
	Jun-99	4.2	5.2	1.3	<0.062	3.9	<0.062	0.52	0.95	78	67
	Sep-99	8.6	7.6	1.2	<0.062	2.6	<0.062	0.38	0.86	55	21
	Dec-99	7.8	6.6	1.0	<0.028	2.8	<0.023	0.45	0.93	59	23
	Mar-00	4.1	3.8	0.72	<0.028	2.7	<0.022	0.30	0.68	46	19
	Jun-00	4.5	4.1	0.80	<0.028	2.5	<0.022	<0.064	0.64	72	32
	Sep-00	11	9.3	1.5	<0.031	13	<0.024	0.52	0.88	110	69
	Dec-00	NA	NA	NA	NA	NA	NA	NA	NA	130	89
	Feb-01	12	9.5	1.2	<0.012	4.5	<0.013	0.53	0.77	NA	NA
	Mar-01	5.0	3.7	0.75	<0.011	3.7	<0.012	0.37	0.71	70	27
	Jul-01	10	4.6	2.3	<0.012	37	<0.013	0.27	0.54	60	16
	Oct-01	10	7.3	0.97	<0.011	5.0	<0.012	0.46	0.62	70	30
	Dec-01	9.0	8.0	0.86	<0.012	4.1	<0.013	0.31	0.65	50	36

Table 2
Groundwater Analytical Results Summary - Agricultural
Frontier/Danco Prairie FS Co-op / BT Squared Project #925
Post-Excavation Results

Well ID	Date	Pesticides (µg/l)								Nitrogen (mg/l)	
		Alachlor	Atrazine	Cyanazine	EPTC	Metolachlor	Pend.	De-i Atr.	De-e Atr.	$NO^2 + NO^3$	Ammonia
EXT3 (cont.)	Apr-02	**3.8**	**3.8**	**1.5**	<0.065	37	<0.017	**0.23**	**0.53**	**34**	7.2
	Jun-02	**2.8**	**3.0**	**1.4**	<0.065	21	<0.017	**0.26**	**0.52**	**43**	9.6
	Sep-02	**3.3**	**3.3**	0.79	<0.013	19	<0.020	**0.20**	**0.43**	**42**	**19**
	Jan-03	0.68	2.4	0.66	<0.013	15	<0.020	0.18	0.42	<1.0	**15**
	Mar-03	1.8	1.9	0.57	<0.013	12	<0.020	0.14	0.31	**53**	**18**
	Jun-03	1.2	2.4	0.65	<0.054	10	<0.0094	<0.038	<0.014	**13**	**21**
	Sep-03	1.5	1.8	0.70	<0.054	8.9	<0.0095	0.22	0.22	**53**	**20**
	Dec-03	1.1	1.7	0.70	0.061	8.2	<0.0096	0.17	0.21	**18**	**19**
	Mar-04	1.6	1.4	0.42	0.19	7.3	<0.011	0.11	0.17	**58**	**12**
	Jun-04	**2.2**	1.8	0.52	<0.013	7.8	<0.012	0.11	0.18	**58**	9.1
	Jan-06	**2.2**	0.95	0.38	<0.061	5.7	<0.033	<0.094	0.14	**70**	6.0
	Oct-06	1.6	0.66	0.27	<0.036	5.2	<0.012	<0.029	<0.028	<1.0	4.7
	Oct-10	**2.4**	0.39	<0.035	<0.051	3.4	<0.025	<0.034	0.071 J	**94**	**12**
	Oct-07	<0.082	<0.019	<0.056	<0.025	<0.015	<0.027	<0.041	<0.019	**19**	3.9
	Oct-08	**6.6** HC	0.65	<0.057	<0.026	5.7 B	<0.028	0.15	0.089	**330**	7.8
	Oct-09	**2.6**	0.33	<0.055	<0.025	5.2	<0.026	0.097	0.078	**160**	5.9
(dup)	Oct-09	**3.3**	0.44	<0.055	<0.025	4.9	<0.026	0.085	0.073	**150**	8.2
	Apr-10	**3.4**	0.55	0.15	<0.048	4.8	<0.023	0.13	0.068 J	**110**	**14**
(dup)	Apr-10	**2.7**	0.50	0.12	<0.048	4.6	<0.023	0.12	0.094 J	**120**	**14**
	Oct-10	**2.4**	0.39	<0.035	<0.051	3.4	<0.025	<0.034	0.071 J	**94**	**12**
NR 140 Enforcement Standard		2.0	3.0*	1.0	250	100	NE	3.0*	3.0*	10	9.7

NOTES:
Bold values indicate sample exceeded NR 140 enforcement standard.
B = Analyte detected in associated method blank at 0.028 µg/l.
D = Data reported from a dilution.
HC = Results may be biased high because of high continuing calibration verification (CCV).
J = Estimated.
LC = Results may be biased low because of low continuing calibration verification (CCV).

* - The enforcement standard applies to the total chlorinated atrazine residue which includes atrazine, de-isopropyl atrazine, and de-ethyl atrazine.
Remediation system was shut down on 5/28/02.
Extraction well EXT2 pump was restarted on 12/17/02.
Extraction well EXT2 pump was turned off on 6/26/03.

Table 3
Groundwater Elevation Summary
Frontier/Danco Prairie FS Co-op / BT Squared Project #925

		Groundwater Elevation (MSL)																										Hydraulic Gradients in ft/ft			
Well Number	N	Water Table Wells																Piezometers							Extraction Wells			Horizontal		Vertical	
Top of Casing Elevation	o	MW1	MW2	MW3	MW4	MW5	MW6	MW7	MW8B	MW9	MW10	MW11	HMW1	HMW2	HMW3	HMW4	HMW5	MW1A	MW5A	MW8A	MW8C	MW12	HMW5A	MW13	EXT1	EXT2	EXT3				
(MSL)	t	945.36	945.33	945.48	944.71	944.30	943.40	947.92	948.16	948.14	947.96	949.22	944.20	943.33	943.60	944.21	944.19	948.50	944.42	948.00	947.91	941.35	944.25	942.62	944.35	942.97	943.99	(MW7-MW5)	(MW10--MW8B)	(MW8B-MW8C)	(MW5-MW5A)
10/4/07 Elevation	e					944.18									942.77		944.21		944.31			941.35	944.25	943.61							
Measurement Date																															
05/13/93	(1)	926.52	926.57	926.67	926.43																										
07/12/93	(1)	929.48	929.43	929.58	929.49																										
08/11/93	(1)	930.21	930.20	930.32	929.97																										
02/21/95	(2)	923.38	923.35	923.52	923.26	923.28	923.76	923.53	923.32	923.21	923.41	923.74	923.39	923.28	923.25	923.24	923.17			923.32								0.0015	0.0011		
02/23/96	(3)			923.51		923.45	923.78	923.52	923.31	923.17	923.42	923.74			923.27			923.36	923.47	923.35	923.26	923.21						0.0004	0.0014	0.0024	-0.0008
08/16/96						925.53	925.98			925.51	925.59				925.49		925.39		925.46			925.25	925.41								0.0024
10/23/96						924.44				925.41	925.48				924.38		924.38		924.37			924.21	924.23	924.24							0.0025
09/18/97						922.41				922.70	922.55				922.49		922.41		922.48			922.30	922.44	922.51	907.91	916.25	921.67				-0.0027
03/03/98						921.17				921.04	921.29				920.99							920.76	920.96	920.89	908.65	906.40	907.70				
06/01/98						924.43				924.50	924.44				924.38		924.32		924.42			924.25	924.34	924.33	910.95	910.52	908.29				0.0004
08/31/98						925.05				925.30	925.07				926.25		925.07		924.95			924.95	925.09	925.11	924.40	924.33	919.92				0.0036
12/04/98						924.16				924.27	924.24				925.13		924.07		924.14			923.97	924.11	924.11	914.05	913.47	915.99				0.0007
02/25/99						923.53				923.55	923.55				924.35		923.37		923.53			923.31	923.41	923.39	910.35	905.62	908.49				0.0000
06/02/99						924.81				924.80	924.81				925.73		924.64		924.81			924.57	924.67	924.65	909.65	909.17	912.01				0.0000
09/01/99						925.00				924.99	924.92				925.89		924.80		924.92			924.68	924.85								0.0028
12/07/99						923.12				923.18	923.11				923.98		923.01		923.17			922.90	923.04								-0.0019
03/01/00						922.07				922.11	922.20				922.87		921.88		922.13			921.78	921.97								-0.0024
06/06/00						923.55									924.62		923.38		923.71			923.37	923.50	922.40							-0.0060
09/07/00						924.77									925.60		924.58		924.65			924.47	924.56	923.56							0.0043
12/19/00	(4)					923.05											922.93		923.12				922.96	921.91		920.72					-0.0027
03/26/01						922.92									923.62		922.69		923.02			922.66	922.76	921.67							-0.0038
06/29/01						924.67									925.73		924.44		924.66			924.28	924.43	923.34							0.0004
07/31/01																							924.05								
10/04/01						924.78									925.89		924.64		924.69			924.51	924.64	923.63							0.0032
11/06/01																								923.22							
12/06/01						923.92									924.82		923.84		923.98			923.97	923.85	922.84							-0.0022
03/26/02						923.49									924.32		923.28		923.52			923.23	923.31	922.25							-0.0011
06/19/02	(5)					924.79									925.91		924.57		924.80			924.49	924.58	923.54	924.87	925.04	924.58				-0.0004
09/23/02						923.50									924.36		923.37		923.49			923.19	923.35	922.31	923.67	923.65	923.39				0.0004
12/19/02	(6)					922.78									923.42		922.47		922.72			922.30	922.49	921.42	922.81		922.55				0.0015
01/14/03	(7)																								922.13	922.19	922.00				
02/12/03	(7)																									921.76					
03/18/03						921.13									921.88		920.93		921.32			920.80	921.00	919.90	921.25	921.39	921.06				-0.0078
06/26/03	(8)					921.10									921.86		920.88		920.39			920.68	920.92	919.82	921.23	921.37	921.01				0.0294
09/12/03															921.20		920.17					919.90	920.17	919.11	920.49	920.63	920.28				
09/19/03						920.51													920.47												0.0017
12/05/03						921.21									921.98		921.02		921.04			920.72	921.04	919.98	921.43	921.62	921.16				0.0070
03/25/04						921.41									922.17		921.24		921.47			920.71	921.25	920.20	921.60	921.79	921.37				-0.0024
06/28/04						924.89									925.90		924.58		924.80			924.50	924.56	923.44	924.86	925.04	924.66				0.0032
01/11/06						920.48									921.20		920.30		920.53			920.08	920.31	919.22	920.64	920.83	920.39				-0.0021
01/30/06																							920.14								
10/26/06						922.38									923.14		922.19		922.23			921.95	922.20	921.16	922.46	922.70	922.35				0.0059
10/04/07	(9)					925.64									925.76		925.62		925.61			925.50	925.60	925.60							0.0010
10/01/08						929.66									930.42		929.63		929.48			929.60	929.57	929.55							0.0055
10/27/09						927.00									927.06		926.88		926.92			926.80	926.79	926.79	926.98	927.05	926.91				0.0027
04/14/10						926.47									926.70		926.32		926.39			926.22	926.25	926.15	926.55	926.60	926.38				0.0027
10/28/10						927.50									927.90		927.62		927.55			927.70	927.63	927.69	927.72	927.81	927.65				-0.0016

Table 3 (Continued)
Groundwater Elevation Summary
Frontier/Danco Prairie FS Co-op / BT Squared Project #925

Statistics		MW1	MW2	MW3	MW4	MW5	MW6	MW7	MW8A	MW9	MW10	MW11	HMW1	HMW2	HMW3	HMW4	HMW5	MW1A	MW5A	MW8B	MW8C	MW12	HMW5A	MW13	EXT1	EXT2	EXT3
Number of Readings		4	4	5	4	37	3	2	2	15	15	2	1	1	36	1	35	1	35	2	1	35	37	32	21	22	21
Minimum		923.38	923.35	923.51	923.26	920.48	923.76	923.52	923.31	921.04	921.29	923.74	923.39	923.28	920.99	923.24	920.17	923.36	920.39	923.32	923.26	919.90	920.14	919.11	907.91	905.62	907.70
Maximum		930.21	930.20	930.32	929.97	929.66	925.98	923.53	923.32	925.51	925.59	923.74	923.39	923.28	930.42	923.24	929.63	923.36	929.48	923.35	923.26	929.60	929.57	929.55	927.72	927.81	927.65
Max - Min		6.83	6.85	6.81	6.71	9.18	2.22	0.01	0.01	4.47	4.30	0.00	0.00	0.00	9.43	0.00	9.46	0.00	9.09	0.03	0.00	9.70	9.43	10.44	19.81	22.19	19.95
Mean		927.40	927.39	926.72	927.29	923.79	924.51	923.53	923.32	923.84	923.86	923.74	923.39	923.28	924.43	923.24	923.72	923.36	923.84	923.34	923.26	923.55	923.59	923.03	919.76	919.82	920.00
Standard Deviation		2.70	2.69	2.89	2.69	1.97	1.04	0.01	0.00	1.30	1.25	0.00	0.00	0.00	2.01	0.00	2.02	0.00	1.97	0.01	0.00	2.13	2.08	2.40	6.21	6.32	5.75
Variance		7.29	7.26	8.34	7.25	3.89	1.09	0.00	0.00	1.70	1.55	0.00	0.00	0.00	4.04	0.00	4.09	0.00	3.89	0.00	0.00	4.54	4.31	5.76	38.61	39.93	33.06

		Depth to Water (feet below top of casing)																									
Raw Data		MW1	MW2	MW3	MW4	MW5	MW6	MW7	MW8B	MW9	MW10	MW11	HMW1	HMW2	HMW3	HMW4	HMW5	MW1A	MW5A	MW8A	MW8C	MW12	HMW5A	MW13	EXT1	EXT2	EXT3
05/13/93	(1)	18.84	18.76	18.81	18.28																						
07/12/93	(1)	15.88	15.90	15.90	15.22																						
08/11/93	(1)	15.15	15.13	15.16	14.74																						
02/21/95	(2)	21.98	21.98	21.96	21.45	21.02	19.64	24.39	24.84	24.93	24.55	25.48	20.81	20.05	20.35	20.97	21.02			24.68							
02/23/96	(3)			21.97		20.85	19.62	24.4	24.85	24.97	24.54	25.48	Aband.	Aband.	20.33	Aband.		25.14	20.95	24.65	24.65	18.14					
08/16/96		Aband.	Aband.	Aband.	Lost	18.77	17.42	Aband.	Aband.	22.63	22.37	Aband.			18.11		18.80	Aband.	18.96	Aband.	Aband.	16.10	18.84				
10/23/96						19.86	Aband.			22.73	22.48				19.22		19.81		20.05			17.14	20.02	18.38			
09/18/97						21.89				25.44	25.41				21.11		21.78		21.94			19.05	21.81	20.11	36.44	26.72	22.32
03/03/98						23.13				27.10	26.67				22.61							20.59	23.29	21.73	35.7	36.57	36.29
06/01/98						19.87				23.64	23.52				19.22		19.87		20.00			17.10	19.91	18.29	33.40	32.45	35.70
08/31/98						19.25				22.84	22.89				17.35		19.12		19.47			16.40	19.16	17.51	19.95	18.64	24.07
12/04/98						20.14				23.87	23.72				18.47		20.12		20.28			17.38	20.14	18.51	30.30	29.50	28.00
02/25/99						20.77				24.59	24.41				19.25		20.82		20.89			18.04	20.84	19.23	34.0	37.35	35.50
06/02/99						19.49				23.34	23.15				17.87		19.55		19.61			16.78	19.58	17.97	34.70	33.80	31.98
09/01/99						19.30				23.15	23.04				17.71		19.39		19.50			16.67	19.40				
12/07/99						21.18				24.96	24.85				19.62		21.18		21.25			18.45	21.21				
03/01/00						22.23				26.03	25.76				20.73		22.31		22.29			19.57	22.28				
06/06/00						20.75				Aband.	Aband.				18.98		20.81		20.71			17.98	20.75	20.22			
09/07/00						19.53									18.00		19.61		19.77			16.88	19.69	19.06			
12/19/00	(4)					21.25											21.26		21.30				21.29	20.71		22.25	
03/26/01						21.38									19.98		21.50		21.40			18.69	21.49	20.95			
06/29/01						19.63									17.87		19.75		19.76			17.07	19.82	19.28			
07/31/01																							20.20				
10/04/01						19.52									17.71		19.55		19.73			16.84	19.61	18.99			
11/06/01																								19.40			
12/06/01						20.38									18.78		20.35		20.44			17.38	20.40	19.78			
03/26/02						20.81									19.28		20.91		20.90			18.12	20.94	20.37			
06/19/02	(5)					19.51									17.69		19.62		19.62			16.86	19.67	19.08	19.48	17.93	19.31
09/23/02						20.80									19.24		20.82		20.93			18.16	20.90	20.31	20.68	19.32	20.60
12/19/02	(6)					21.54									20.18		21.72		21.70			19.05	21.76	21.20	21.54		21.44
01/14/03	(7)																								22.22	20.78	21.99
02/12/03	(7)																									21.21	
03/18/03						23.17									21.72		23.26		23.10			20.55	23.25	22.72	23.10	21.58	22.93
06/26/03	(8)					23.20									21.74		23.31		24.03			20.67	23.33	22.80	23.12	21.60	22.98
09/12/03															22.40		24.02					21.45	24.08	23.51	23.86	22.34	23.71
09/19/03						23.79													23.95								
12/05/03						23.09									21.62		23.17		23.38			20.63	23.21	22.64	22.92	21.35	22.83
03/25/04						22.89									21.43		22.95		22.95			20.64	23.00	22.42	22.75	21.18	22.62
06/28/04						19.41									17.70		19.61		19.62			16.85	19.69	19.18	19.49	17.93	19.33
01/11/06						23.82									22.40		23.89		23.89			21.27	23.94	23.40	23.71	22.14	23.60
01/30/06																							24.11				
10/26/06						21.92									20.46		22.00		22.19			19.40	22.05	21.46	21.89	20.27	21.64
10/04/07	(9)					18.54									17.01		18.59		18.70			15.85	18.65	18.01			
10/01/08						14.52									12.35		14.58		14.83			11.75	14.68	14.06			
10/27/09						17.18									15.71		17.33		17.39			14.55	17.46	16.82	17.37	15.92	17.08
04/14/10						17.71									16.07		17.89		17.92			15.13	18.00	17.46	17.80	16.37	17.61
10/28/10						16.68									14.87		16.59		16.76			13.65	16.62	15.92	16.63	15.16	16.34

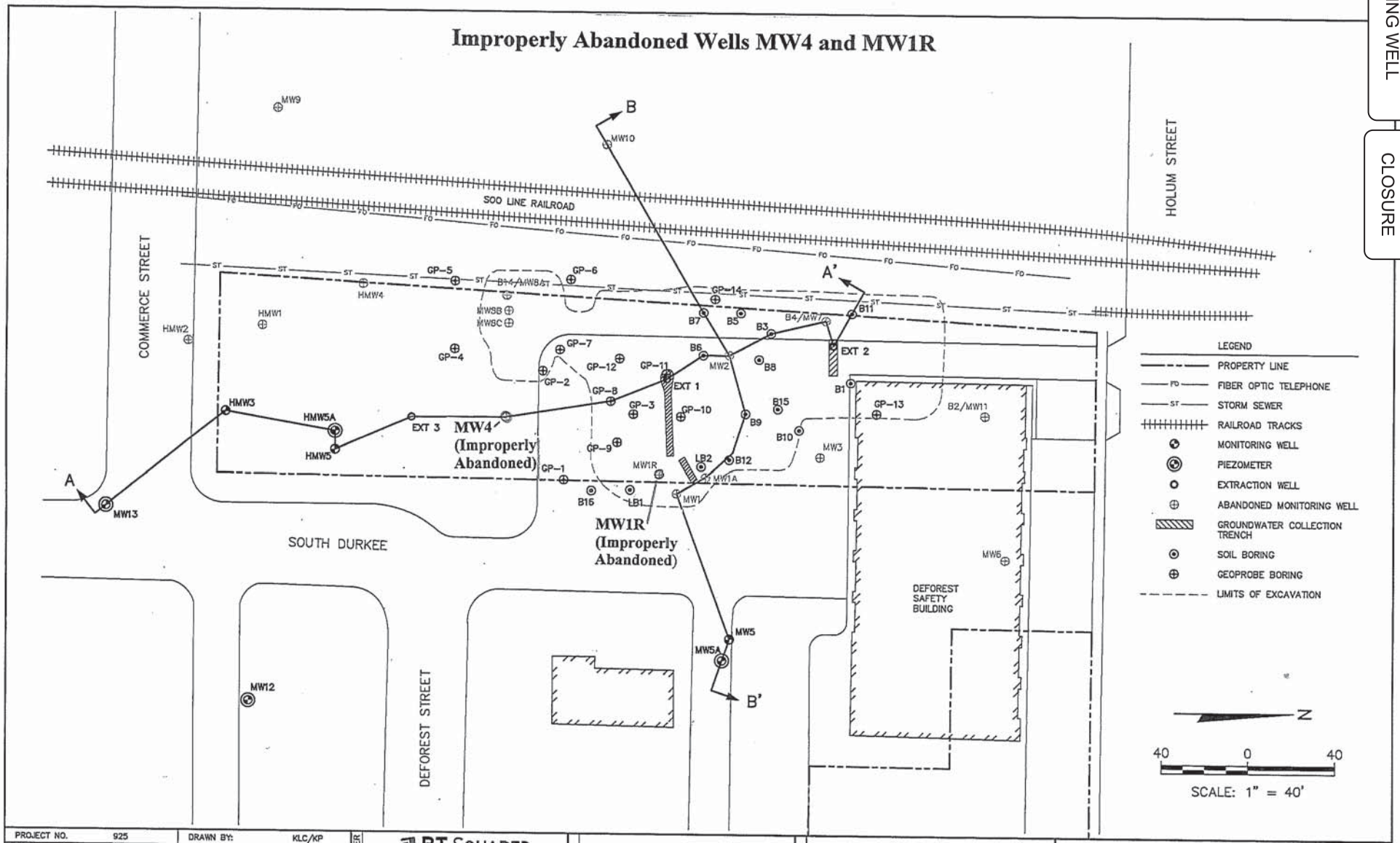
NOTES:

(1) Water levels measured by REA.
(2) Water levels measured by REA. MW1A, MW5A, MW8C, and MW12 not installed yet.
(3) Water levels measured by BT Squared. Some surface water infiltration into HMW3, elevation suspect. MW1, MW2, MW4, HMW1, HMW2, HMW4, and HMW5 could not be located.
(4) Could not locate HMW3 and MW12 due to deep snow.
(5) Remediation system was shut down on 5/28/02.
(6) EXT2 pump was restarted on 12/17/02.
(7) EXT2 water level just prior to "pump on."
(8) EXT2 pump was turned off on 6/26/03.
(9) Well casing elevations were resurveyed on 10/4/07.

IMPROPERLY ABANDONED MONITORING WELL

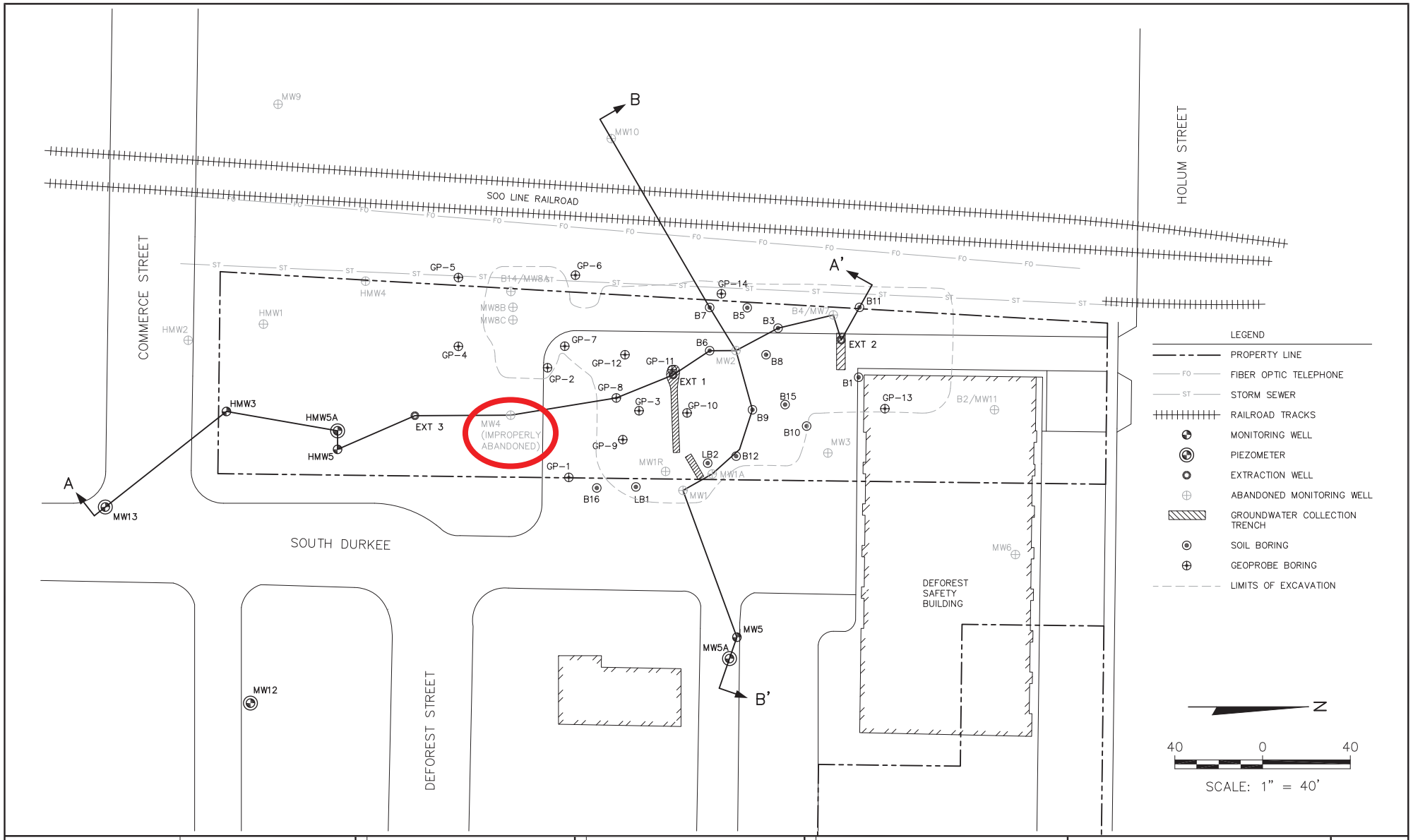
POST CLOSURE

Improperly Abandoned Wells MW4 and MW1R



PROJECT NO.	925	DRAWN BY:	KLC/KP	ENGINEER	BT SQUARED 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT: FRONTIER FS COOPERATIVE	SITE: FRONTIER/DANCO PRAIRIE FS COOPERATIVE DEFOREST, WISCONSIN
DRAWN:	10/18/95	CHECKED BY:	MT/RL				SITE PLAN
REVISED:	05/11/11	APPROVED BY:	AWH 05/16/11				FIGURE 3

E:\925\Drawings-General\closure\SITE.dwg, 5/16/2011 11:03:26 AM



PROJECT NO.	925	DRAWN BY:	KLC/KP	ENGINEER	BT SQUARED 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT: FRONTIER FS COOPERATIVE	SITE: FRONTIER/DANCO PRAIRIE FS COOPERATIVE DEFOREST, WISCONSIN	SITE PLAN	FIGURE 3
DRAWN:	10/18/95	CHECKED BY:	MT/RL						
REVISED:	05/11/11	APPROVED BY:	AWH 05/16/11						

I:\925\Drawings-General\closure\SITE.dwg, 5/18/2011 11:03:26 AM

IMPROPERLY ABANDONED MONITORING WELL

POST CLOSURE

Department of Natural Resources — Solid Waste [ ] Haz. Waste [ ] Wastewater [ ] Env. Response & Repair [ ] Underground Tanks [ ] Other [X]

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 4/90

Facility/Project Name: Danco Prairie FS #925	Local Grid Location of Well: ____ ft. [ ] N. [ ] S. ____ ft. [ ] E. [ ] W.	Well Name: MW1-R
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. ___ ' ___ " Long. ___ ' ___ " or St.Plane ____ ft. N. ____ ft. S.	Wis. Unique Well Number DNR Well No.
Type of Well: Water Table Observation Well [X] 11 [ ] 12		Date Well Installed: 09 / 12 / 96 (mm dd yy)
Distance Well Is From Waste/Source Boundry ____ ft.	Section Location of Waste/Source: SW 1/4 of NW 1/4 of Sec. 17 T. 9 N, R. 10 [X] E. [ ] W.	Well Installed By: (Person's Name and Firm) E&F Drilling, Perry Graber
Is Well A Point of Enforcement Std. Application? [ ] Yes [X] No	Location of Well Relative to Waste/Source: u [ ] Upgradient s [ ] Sidegradient d [ ] Downgradient n [ ] Not Known	

A. Protective pipe, top elevation ____.__ ft. MSL

B. Well casing, top elevation ____.__ ft. MSL

C. Land surface elevation ____.__ ft. MSL

D. Surface seal, bottom ____.__ ft. MSL or 2.0 ft.

12. USCS classification of soil near screen:
GP [ ] GM [ ] GC [ ] GW [ ] SW [ ] SP [ ]
SM [X] SC [ ] ML [ ] MH [ ] CL [ ] CH [ ]
Bedrock [ ]

13. Sieve analysis attached? [ ] Yes [X] No

14. Drilling method used: Rotary [ ] 50; Hollow Stem Auger [X] 41; Other [X] ____

15. Drilling fluid used: Water [ ] 02; Air [ ] 01; Drilling Mud [ ] 03; None [X] 99

16. Drilling additives used? [ ] Yes [X] No
Describe _____

17. Source of water (attach analysis): _____

E. Bentonite seal, top ____.__ ft. MSL or 8.7 ft.

F. Fine sand, top ____.__ ft. MSL or 11.0 ft.

G. Filter pack, top ____.__ ft. MSL or 13.2 ft.

H. Screen joint, top ____.__ ft. MSL or 16.1 ft.

I. Well bottom ____.__ ft. MSL or 26.6 ft.

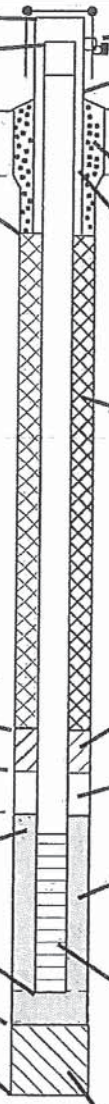
J. Filter pack, bottom ____.__ ft. MSL or 27.5 ft.

K. Borehole, bottom ____.__ ft. MSL or 27.5 ft.

L. Borehole, diameter 10.5 in.

M. O.D. well casing 2.40 in.

N. I.D. well casing 2.00 in.



1. Cap and lock? [X] Yes [ ] No

2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 1.1 ft.
c. Material: Steel [ ] 04; Other [ ] ____
d. Additional protection? [ ] Yes [X] No
If yes, describe: 13

3. Surface seal: Bentonite [ ] 30; Concrete [X] 01; Other [ ] ____

4. Material between well casing and protective pipe: Bentonite [ ] 30; Annular space seal [ ] ____; Other [X] Filter sand

5. Annular space seal: a. Granular Bentonite [X] 33
b. ____ Lbs/gal mud weight...Bentonite-sand slurry [ ] 35
c. ____ Lbs/gal mud weight.....Bentonite [ ] 31
d. ____ % Bentonite.....Bentonite-cement [ ] 50
e. 4.2 Ft^3 volume added for any of the above
f. How installed: Tremie [ ] 01; Tremie pumped [ ] 02; Gravity [X] 08

6. Bentonite seal: a. Bentonite granules [ ] 33
b. [ ] 1/4 in. [ ] 3/8 in. [ ] 1/2 in. Bentonite pellets [ ] 32
c. 3/8" bentonite chips Other [X] ____

7. Fine sand material: Manufacturer, product name & mesh size
a. Unimin, Ind. Quartz, #40-95
b. Volume added ____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. American Mat'ls, Red Flint #30
b. Volume added 7.5 ft^3

9. Well casing: Flush threaded PVC schedule 40 [X] 23; Flush threaded PVC schedule 80 [ ] 24; Other [ ] ____

10. Screen material PVC
a. Screen type: Factory cut [X] 01; Continuous Slot [ ] 02; Other [ ] ____
b. Manufacturer Timco
c. Slot size: 0.010 in.
d. Slotted length: 9.0 ft.

11. Backfill material (below filter pack): None [X] 14; Other [ ] ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm BT², Inc., 2830 Dairy Drive, Madison, WI 53704-6751

Please complete this form and Form 4400-113B and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147, and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats. Failure to file these forms may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file these forms may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed forms should be sent.

IMPROPERLY ABANDONED MONITORING WELL

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTIO
Form 4400-113A Rev. 4-

Facility/Project Name: DANCO FS, DeFOREST, WI

Facility License, Permit or Monitoring Number: _____

Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12

Distance Well Is From Waste/Source Boundary: ~50' ft.

Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No

Local Grid Location of Well: _____ ft. ☐ N ☐ S, _____ ft. ☐ E ☐ W

Grid Origin Location: Lat. _____ Long. _____ or St. Plane _____ ft. N, _____ ft. E.

Section Location of Waste/Source: ___ 1/4 of ___ 1/4 of Sec. ___, T. ___ N, R. ___ ☐ E ☐ W

Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known

Well Name: MW4

Wis. Unique Well Number / DNR Well Numb

Date Well Installed: 04/26/93 (mm dd yy)

Well Installed By: (Person's Name and Firm) Lonny - EFD; Dick Ziegler - REA

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 97.80 ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or 20 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ _____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis): _____

Done by 2:30

E. Bentonite seal, top _____ ft. MSL or 2.0 ft.

F. Fine sand, top _____ ft. MSL or 16.9 ft.

G. Filter pack, top _____ ft. MSL or 18.0 ft.

H. Screen joint, top _____ ft. MSL or 20.0 ft.

I. Well bottom _____ ft. MSL or 30.0 ft.

J. Filter pack, bottom _____ ft. MSL or 30.5 ft.

K. Borehole, bottom _____ ft. MSL or 30.5 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.1 in.

N. I.D. well casing 1.9 in.

1. Cap and lock? ☒ Yes ☐ N

2. Protective cover pipe:
a. Inside diameter: 8.0
b. Length: 1.5 (FLUSH MT.)
c. Material: Steel ☒; Other ☐ _____
d. Additional protection? ☐ Yes ☒ N
If yes, describe: _____

3. Surface seal: Bentonite ☐; Concrete ☒; Other ☐ _____

4. Material between well casing and protective pipe: Bentonite ☒; Annular space seal ☐; Other ☐ _____

5. Annular space seal: a. Granular Bentonite ☒
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐; Tremie pumped ☐; Gravity ☒

CHIPS 1 ①
CS50 HT 1 ⑥

6. Bentonite seal: a. Bentonite granules ☒
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐
c. _____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh s
a. UNIMIN GRANUSIL
b. Volume added 1 bag ft^3

8. Filter pack material: Manufacturer, product name and mesh
a. RED FLINT #5-55
b. Volume added 8 bags ft^3

9. Well casing: Flush threaded PVC schedule 40 ☐; Flush threaded PVC schedule 80 ☐; Other ☐ _____

10. Screen material: PVC
a. Screen type: Factory cut ☒; Continuous slot ☐; Other ☐ _____
b. Manufacturer NORTHERN AIR
c. Slot size: 0.01
d. Slotted length: 10.

11. Backfill material (below filter pack): None ☒; Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: R. D. Zig

Firm: RESOURCE ENGINEERING ASSOCIATES, INC.

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. S and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more th $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for ea

IMPROPERLY ABANDONED MONITORING WELL

SOURCE PROPERTY

May 19, 2011

Certified Mail
Return Receipt Requested

Mr. Deane Baker
Village of DeForest
205 DeForest Street
DeForest, WI 53532

Mr. Mark Tenjum
Village of DeForest
205 DeForest Street
DeForest, WI 53532

SUBJECT: Notification of Residual Agrichemical Contamination in Soil and Groundwater
Frontier/Danco Prairie FS Cooperative
209 Holum Street, DeForest, Wisconsin

Dear Mr. Baker and Mr. Tenjum:

Soil and groundwater contamination remains on your property located at 209 Holum Street, DeForest, Wisconsin (see map in **Attachment A**). Additionally, one monitoring well (MW4) was lost prior to excavation activities and is believed to have been improperly abandoned.

At one or more soil sampling locations, the concentrations of agrichemical compounds were greater than the site cleanup goals of 250 milligrams per kilogram (mg/kg) for total nitrogen or 1 mg/kg for total pesticides. Concentrations of agrichemical compounds in the groundwater on your property are also greater than the state groundwater enforcement standards (ESs) found in Chapter NR 140, Wisconsin Administrative Code. However, the environmental consultants who have investigated this contamination have informed me that the groundwater contaminant plume is stable or receding and will eventually degrade over time. I believe that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure that are found in Chapter NR 726, Wis. Adm. Code, and I will be requesting that the Wisconsin Department of Agriculture, Trade and Consumer Protection (WDATCP) accept natural attenuation as the final remedy for this site and grant case closure. Closure means that the WDATCP will not be requiring any further investigation or cleanup action to be taken, other than reliance on natural attenuation. An information fact sheet about natural attenuation is included in **Attachment B**.

The WDATCP will not review my closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact WDATCP to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the WDATCP that is relevant to this closure request, you should mail that information to: Mr. Jason Lowery, WDATCP, PO Box 8911, Madison, WI 53708.

If this case is closed, all properties within the site boundaries where groundwater contamination exceeds chapter NR 140 groundwater ESs will be listed on the Wisconsin Department of Natural Resources' geographic information system (GIS) Registry of Closed Remediation Sites. The information on the GIS Registry includes maps showing the location of properties in Wisconsin where groundwater contamination above chapter NR 140 ESs was found at the time that the case was closed. This GIS Registry will be available to the general public on the WDNR's internet web site. Please review the enclosed legal description of your property (**Attachment C**), and notify me within the next 30 days if the legal description is incorrect.

IMPROPERLY ABANDONED MONITORING WELL

SOURCE PROPERTY

Once the WDNR makes a decision on my closure request, it will be documented in a letter. If the WDNR grants closure, you may obtain a copy of this letter by requesting a copy from me, by writing to the agency address given above or by accessing the WDNR GIS Registry of Closed Remediation Sites on the internet at http://www.dnr.wi.gov/org/aw/rr/gis/index.htm. A copy of the closure letter is included as part of the site file on the GIS Registry of Closed Remediation Sites.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the residual groundwater contamination. Any well driller who proposes to construct a well on your property in the future will first need to obtain approval from a regional water supply specialist in the WDNR's Drinking Water and Groundwater Program. The well construction application, form 3300–254, is on the internet at http://www.dnr.wi.gov/org/water/dwg/3300254.pdf, or may be accessed through the GIS Registry web address in the preceding paragraph.

If you need more information, you may contact my environmental consultant, Mark Tusler of BT Squared, Inc., at 608.224.2830; 2830 Dairy Drive, Madison, WI 53718; or mtusler@btsquared.com, or you may contact Jason Lowery of WDATCP at 608.224.4515; PO Box 8911, Madison, WI 53708.

Sincerely,
Frontier FS Cooperative

Sam Skemp

Sam Skemp

Attachments: A – Site Location Map and Map of Contaminated Property
B – Natural Attenuation Fact Sheet
C – Property Warranty Deed

AWH/LR
I:\925\reports\Closure\GIS Registry\Village of DeForest_landowner_notification_ltr_110519.doc

IMPROPERLY ABANDONED MONITORING WELL

SOURCE PROPERTY

#0925

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Village of De Forest
205 De Forest Street
De Forest, WI 53532

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Debbie Meinert ☐ Agent ☐ Addressee

B. Received by (*Printed Name*) Debbie Meinert
C. Date of Delivery 5/26/11

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (*Extra Fee*) ☐ Yes

2. Article Number
(*Transfer from service label*) 7002 0510 0000 1686 0871

PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M-0835

RIGHT-OF-WAY

BT SQUARED
CIVIL & ENVIRONMENTAL ENGINEERING

2830 Dairy Drive
Madison, WI 53718

p 608.224.2830
f 608.224.2839

May 19, 2011

Ms. LeAnn Thomas
Canadian Pacific Railroad
501 Marquette Avenue South, Suite 1525
Minneapolis, MN 55402-5754

SUBJECT: Notification of Soil and Groundwater Contamination within the Right-of-Way
209 Holum Street, DeForest, Wisconsin
BT Squared Project #925

Dear Ms. Thomas:

We are requesting case closure from the Wisconsin Department of Agriculture, Trade and Consumer Protection (WDATCP) for an ongoing environmental investigation and cleanup project at the former Frontier/Danco Prairie FS Cooperative facility located at 209 Holum Street in DeForest, Wisconsin. As part of our closure request, we are required to notify you of soil and groundwater contamination remaining within the railroad right-of-way.

Groundwater with nitrate plus nitrite as nitrogen (nitrate+nitrite-N) concentrations exceeding the Chapter NR 140 (Wisconsin Administrative Code) enforcement standard is present in the railroad right-of-way. The depth to groundwater in this area is approximately 15 to 20 feet below ground surface (bgs). A map showing the approximate extent of groundwater contamination is enclosed.

Soil contaminant concentrations greater than the site cleanup goals of 250 milligrams per kilogram (mg/kg) for total nitrogen or 1 mg/kg for total pesticides is also present in the railroad right-of-way. The depth of this residual contamination is approximately 8 feet to 12 feet bgs. A map showing the approximate extent of residual soil contamination is also enclosed.

If you have any questions or concerns, please do not hesitate to call me at 608.216.7328.

Sincerely,
BT Squared, Inc.

Angela Wilcox-Hull
Project Hydrogeologist

Enclosures: Groundwater Isoconcentration Map
Soil Contamination Contour Map

cc: Sam Skemp, Frontier FS Cooperative

AWH/TLR (Template Rev. 01/2011)
i:\925\reports\closure\gis registry\canadian pacific railroad_row_notification_ltr_110519.doc