

GIS REGISTRY

Cover Sheet

August 2011
(RR-5367)

Source Property Information

BRRTS #: 03-13-547511

CLOSURE DATE: Nov 21, 2011

ACTIVITY NAME: PHILLIPS 66

FID #:

PROPERTY ADDRESS: 4 Collins Ct

DATCP #:

MUNICIPALITY: Madison

PECFA#: 53716410204A

PARCEL ID #: 60-0710-272--0183-0/0199-7

*WTM COORDINATES:

X: 576595 Y: 286298

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

WTM COORDINATES REPRESENT:

- Approximate Center Of Contaminant Source
 Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

Groundwater Contamination > ES (236)

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

Contamination in ROW

Contamination in ROW

Off-Source Contamination

Off-Source Contamination

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

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

Land Use Controls:

N/A (Not Applicable)

Cover or Barrier (222)

Soil: maintain industrial zoning (220)

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

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

Vapor Mitigation (226)

Structural Impediment (224)

Maintain Liability Exemption (230)

Site Specific Condition (228)

*(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*

BRRTS #: 03-13-547511

ACTIVITY NAME: Phillips 66 / Arby's Q-Mart

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 #: E-4 **Title: Cross-section Location Map**

Figure #: E-5 **Title: Cross-section A-A'**

- 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 #: E-6 **Title: Groundwater Analytical Results Map**

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

Figure #: E-7 **Title: Water Table Map - October 21, 2008**

Figure #: **Title:**

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 #: E-8 **Title: Soil Analytical Results Summary**

- 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 #: E-9 **Title: Groundwater Analytical Results Summary**

- 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 #: E-10 **Title: Water Level 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 #: **Title:**

- Well Construction Report:** Form 4440-113A for the applicable monitoring wells.

- Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

- Notification Letter:** Copy of the notification letter to the affected property owner(s).

BRRTS #: 03-13-547511

ACTIVITY NAME: Phillips 66 / Arby's Q-Mart

NOTIFICATIONS

Source Property

Not Applicable

Letter To Current Source Property Owner: If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.

Return Receipt/Signature Confirmation: Written proof of date on which confirmation was received for notifying current source property owner.

Off-Source Property

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

Not Applicable

Letter To "Off-Source" Property Owners: Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.

Note: Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.

Number of "Off-Source" Letters:

Return Receipt/Signature Confirmation: Written proof of date on which confirmation was received for notifying any off-source property owner.

Deed of "Off-Source" Property: The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.

Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.

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
Department of Safety and Professional Services

Mail to:
P.O. Box 8044
Madison, Wisconsin 53708-8044
TTY: (608) 267-2416
Fax: (608) 267-1381
Email: dps@wisconsin.gov
Web: <http://dps.wi.gov>

Governor Scott Walker

Secretary Dave Ross

November 21, 2011

Brian Enke
Liberty Station, LLC
PO Box 207
Dubuque, Iowa 52004-0207

RE: **Final Closure**
PECFA # 53716-4102-04-A DNR BRRTS # 03-13-547511
Phillips 66, 4 Collins Court, Madison

Dear Mr. Enke:

The Wisconsin Department of Safety and Professional Services (DPS) has received all items required as conditions for closure of the site referenced above. This site is now listed as "closed" on the DPS database and will be included on the Department of Natural Resources (DNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual soil and groundwater contamination. To review all sites on the GIS Registry web page, visit <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If you intend to construct or reconstruct a potable well on this property, you must get prior DNR approval.

All current and future owners and occupants of the property need to be aware that excavation of contaminated soil may pose a hazard. Special precautions may be needed to prevent inhalation, ingestion or dermal contact with the residual contamination when it is removed. If soil is excavated, the property owner at the time of excavation must have the soil sampled and analyzed to determine if residual contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation must determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules.

Depending on site-specific conditions, construction over contaminated materials may result in vapor migration into enclosed structures or along newly placed underground utility lines. The potential for vapor inhalation and migration should be evaluated when planning any future redevelopment, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

If it is determined that any undisturbed remaining petroleum contamination poses a threat, the case may be reopened and further investigation or remediation may be required. It is in your best interest to keep all documentation related to environmental activities at your site.

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 261-5405.

Sincerely,

Jon Heberer
Hydrogeologist
Site Review Section

cc: Eric Oelkers, PG, SCS BT Squared



ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
P.O. Box 8044
Madison, Wisconsin 53708-8044
TTY: Contact Through Relay
Fax: (608) 267-1381
Scott Walker, Governor
Paul F. Jadin, Secretary

May 25, 2011

Brian Enke
Liberty Station, LLC
PO Box 207
Dubuque, Iowa 52004-0207

RE: **Conditional Case Closure**
Commerce # 53716-4102-04-A DNR BRRTS # 03-13-547511
Phillips 66, 4 Collins Court, Madison

Dear Mr. Enke:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure prepared by your consultant, Bt Squared Inc, for the site referenced above. It is understood that residual soil and groundwater contamination remains on site. Commerce has determined that this site does not pose a significant threat to human health and the environment. No further investigation or remedial action is necessary.

The following condition must be satisfied to obtain final closure:

- All monitoring wells must be properly abandoned and the appropriate documentation forwarded to Commerce.

Information submitted with your closure request will be included on the Department of Natural Resources (DNR) GIS Registry of Closed Remediation Sites. All sites on the Registry can be viewed via the Remediation and Redevelopment (RR) Sites Map at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. Because residual contamination remains at the time of case closure, if you intend to construct or reconstruct a potable well on this property, you must get prior DNR approval.

All current and future owners and occupants of the property need to be aware that excavation of contaminated soil may pose a hazard. Special precautions may be needed to prevent inhalation, ingestion or dermal contact with the residual contamination when it is removed. If soil is excavated, the property owner at the time of excavation must have the soil sampled and analyzed to determine if residual contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation must determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. Costs for sampling and excavation activities conducted after the date of this letter are not eligible for PECFA reimbursement.

Depending on site-specific conditions, construction over contaminated materials may result in vapor migration into enclosed structures or along newly placed underground utility lines. The potential for vapor inhalation and migration should be evaluated when planning any future redevelopment, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 261-5405.

Sincerely,


Jon Heberer
Senior Hydrogeologist
Site Review Section

cc: Richard R. Joslin, BT Squared, Inc.
Eric Oelkers, PG, BT Squared, Inc.
Ronald W. Harmeyer, Yost & Bail, LLP

DOCUMENT NO.

STATE BAR OF WISCONSIN FORM 2-1982

WARRANTY DEED

DANE COUNTY REGISTER OF DEEDS

Doc No 2853801

1997-05-15 03:48 PM
Trans. Fee 315.00
Rec. Fee 12.00
Pages 2



William T. Graham

conveys and warrants to Arcon, Inc.

the following described real estate in Dane County, State of Wisconsin:

RETURN TO Theodore C. Widder, III 20 N Carroll Madison, WI 53703

SEE EXHIBIT A ATTACHED HERETO AND MADE A PART HEREOF.

60-0710-272-0183-0; 60-0710-272- (Parcel Identification Number) 0199-7

This is not homestead property. (is) (is not)

Exception to warranties: municipal and zoning ordinances and agreements entered into under them, recorded easements for the distribution of utility and municipal services, recorded building and use restrictions and covenants, general taxes for 1997.

Dated this 13th day of May, 1997

Signature lines for William T. Graham with seals and handwritten signature.

AUTHENTICATION

Signature(s) of William T. Graham

authenticated this day of May, 1997

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

THIS INSTRUMENT WAS DRAFTED BY

Jesse S. Ishikawa, Michael, Best & Friedrich

P.O. Box 1806, Madison, WI 53701-1806

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

ACKNOWLEDGMENT

STATE OF WISCONSIN

Dane County

ss.

Personally came before me this 13th day of May, 1997, the above named William T. Graham

to me known to be the person who executed the foregoing instrument and acknowledge the same.

Notary Public William S. Bernmann Dane County, Wis.

My Commission is permanent. (If not, state expiration date: 3/12, 1998)

9741580

2/12

EXHIBIT A

LEGAL DESCRIPTION: PARCEL 2 (as surveyed)

Outlot 74, Assessor's Plat No. 2, Town of Blooming Grove, located in the NW 1/4 of the NW 1/4 OF Section 27, T7N, R10E, City of Madison, Dane County, Wisconsin, more fully described as follows: Commencing at the NW corner of said Section 27; thence S 1° 34' 00" E, along the West line of said Section 27, 170.94 feet; thence N 78° 04' 20" E, along the South line of East Broadway, 302.59 feet; thence S 81° 18' 53" E, along said South line, 129.90 feet; thence S 38° 53' 16" E, along the Westerly line of Collins Court, 15.18 feet; thence S 66° 15' 15" W, 67.93 feet to the Westerly line of Dutch Mill Road (Motel Street), the NE corner of Outlot 74 and the POINT OF BEGINNING: Thence along said Westerly line on the arc of a 679.44 foot radius curve to the right whose long chord bears S 41° 46' 13" E, 157.99 feet; thence S 13° 38' 39" W, along the Northerly line of U.S.H. 12 & 18, 3.15 feet; thence S 88° 30' 51" W, along the Northerly line of the Public Greenway (O.L. "A", Edmund-Braun-Addition), 191.84 feet to the SW corner of said Outlot 74; thence N 10° 03' 06" W, along the West line of said said Outlot 74, 84.00 feet; thence N 67° 03' 16" E, along the North line of said Outlot 74, 110.69 feet to the POINT OF BEGINNING;

LEGAL DESCRIPTION: PARCEL A

Part of the NW 1/4 of the NW 1/4 of Section 27, T7N, R10E, including part of Outlot 75, Assessor's Plat No. 2, Town of Blooming Grove, all located in the City of Madison, Dane County, Wisconsin, more fully described as follows: Commencing at the NW corner of said Section 27; thence S 1° 34' 00" E, along the West line of said Section 27, 170.94 feet; thence N 78° 04' 20" E, along the South R/W line of East Broadway, 302.59 feet; thence S 81° 18' 53" E, 129.90 feet; thence S 38° 53' 16" E, 15.18 feet to the POINT OF BEGINNING: thence S 18° 14' 32" E, 144.96 feet; thence S 13° 38' 39" W, along the Northerly line of U.S.H. 12 & 18, 7.48 feet to the Westerly line of former Dutch Mill Road (Motel Street); thence along said Westerly R/W line on the arc of a 679.44 foot radius curve to the left whose long chord bears N 41° 46' 13" W, 157.99 feet; thence N 66° 15' 15" E, 67.33 feet to the POINT OF BEGINNING.

DOCUMENT NO.



STATE BAR OF WISCONSIN FORM 2--1982
WARRANTY DEED

00000 PAGE 661

DANE COUNTY
REGISTER OF DEEDS

Doc No 2853800

1997-05-15 03:48 PM
Trans. Fee 735.00
Rec. Fee 14.00
Pages 3

William T. Graham

conveys and warrants to Arcon, Inc.

the following described real estate in Dane County,
State of Wisconsin:

RETURN TO
Theodore C. Widder, III
20 N Carroll
Madison, WI 53703

SEE EXHIBIT A ATTACHED
HERETO AND MADE A PART
HEREOF.

60-0710-272-0184-8; 60.0710-272-
(Parcel Identification Number) 0199-7

This is not homestead property.
-(is) (is not)

Exception to warranties: municipal and zoning ordinances and agreements entered into under them, recorded easements for the distribution of utility and municipal services, recorded building and use restrictions and covenants, general taxes for 1997.

Dated this 13th day of May, 1997

_____(SEAL) William T. Graham _____(SEAL)
* William T. Graham _____(SEAL)
* _____(SEAL)
* _____

AUTHENTICATION

ACKNOWLEDGMENT

Signature(s) of William T. Graham

STATE OF WISCONSIN }
DANE County. } ss.

authenticated this _____ day of May, 1997

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

Personally came before me this 13th day of
May, 1997, the above named
William T. GRAHAM

THIS INSTRUMENT WAS DRAFTED BY
Jesse S. Ishikawa, Michael, Best & Friedrich

to me known to be the person _____ who executed the
foregoing instrument and acknowledged the same.

P.O. Box 1806, Madison, WI 53701-1806
(Signatures may be authenticated or acknowledged. Both are
not necessary.)

* William T. Graham William Bernhart
Notary Public DANE County, Wis.
My Commission is permanent. (If not, state expiration date:
3/12, 192000.)

974158D

3/14

EXHIBIT A

LEGAL DESCRIPTION: PARCEL B

Part of the NW 1/4 of the NW 1/4 of Section 27, T7N, R10E, including part of Outlot 75, Assessor's Plat No. 2, Town of Blooming Grove, all located in the City of Madison, Dane County, Wisconsin, more fully described as follows: Commencing at the NW corner of said Section 27; thence S 1° 34' 00" E, along the West line of said Section 27, 170.94 feet; thence N 78° 04' 20" E, along the South R/W line of East Broadway, 302.59 feet to the POINT OF BEGINNING; thence S 87° 14' 38" E, 117.27 feet; thence S 38° 53' 16" E, 17.96 feet; thence N 81° 18' 53" W, along the South R/W line of East Broadway, 129.90 feet to the POINT OF BEGINNING.

LEGAL DESCRIPTION: PARCEL C

Part of the NW 1/4 of the NW 1/4 of Section 27, T7N, R10E, including part of Outlot 75, Assessor's Plat No. 2, Town of Blooming Grove, all located in the City of Madison, Dane County, Wisconsin, more fully described as follows: Commencing at the NW corner of said Section 27; thence S 1° 34' 00" E, along the West line of said Section 27, 170.94 feet; thence N 78° 04' 20" E, along the South R/W line of East Broadway, 121.06 feet to the POINT OF BEGINNING; thence N 1° 34' 00" W, parallel to the West line of said Section 27, 46.15 feet; thence S 87° 14' 38" E, 179.08 feet; thence S 78° 04' 20" W, along the South R/W line of East Broadway, 181.53 feet to the POINT OF BEGINNING.

LEGAL DESCRIPTION: PARCEL 1 (as surveyed)

Part of the NE 1/4 of the NE 1/4 of Section 28 plus part of the NW 1/4 of the NW 1/4 of Section 27, T7N, R10E, including parts of Outlots 75 and 76, Assessor's Plat No. 2, Town of Blooming Grove, all in the City of Madison, Dane county, Wisconsin, more fully described as follows: Commencing at the NW corner of said Section 27; thence S 1° 34' 00" E, along the West line of said Section 27, 170.94 feet to the POINT OF BEGINNING; thence N 78° 04' 20" E, along the the South line of East Broadway, 302.59 feet; thence S 81° 18' 53" E, along said South line, 129.90 feet; thence S 38° 53' 16" E, along the Westerly line of Collins Court, 15.18 feet; thence S 66° 15' 15" W, 67.33 feet to the NE corner of O.L. 74, Assessor's Plat No. 2, Town of Blooming Grove; thence S 67° 03' 16" W, along the North line of said O.L. 74, 110.69 feet to the NW corner thereof; thence S 10° 03' 06" E, along the West line of said O.L. 74, 84.00 feet to the SW corner thereof; thence N 76° 20' 02" W, along the Northerly line of the Public Greenway (O.L. "A", Edmund-Braun-Addition) and a Westerly extension thereof, 306.88 feet; thence N 25° 10' 38" E, 32.09 feet to the East line of Section 28 and the West line of Section 27; thence N 1° 34' 00" W, along said West line, 20.33 feet to the POINT OF BEGINNING.

(cont.)

BUT EXCLUDING THEREFROM:

LEGAL DESCRIPTION OF PARCEL D

Part of the NE 1/4 of the NE 1/4 of Section 28 plus part of the NW 1/4 of the NW 1/4 of Section 27, T7N, R10E, including parts of Outlots 75 and 76, Assessor's Plat No. 2, Town of Blooming Grove, all located in the City of Madison, Dane County, Wisconsin, more fully described as follows: Commencing at the NW corner of said Section 27; thence S 1° 34' 00" E, along the West line of said Section 27, 170.94 feet to the POINT OF BEGINNING; thence N 78° 04' 20" E, along the South R/W line of East Broadway, 121.06 feet; thence S 1° 34' 00" E, 107.12 feet to the Northerly line of the Public Greenway (O.L. "A", Edmund-Braun Addition); thence N 76° 20' 02" W, along said Northerly line and a Westerly extension thereof, 138.39 feet; thence N 25° 10' 38" E, 32.09 feet to the East line of Section 28 and the West line line of Section 27; thence N 1° 34' 00" W, along said West line, 20.33 feet to the POINT OF BEGINNING.

May 3, 2011

To: Wisconsin Department of Natural Resources

Subject **Statement that all Legal Descriptions for Properties within the Contaminated Site Boundaries have been Included**
Phillips 66 / Arby's Q-Mart
4 Collins Court, Madison, Wisconsin
WDNR BRRTS I.D. #03-13-547511
Commerce ID 53716-4102-04
BT Squared Project #3148

To Whom it May Concern:

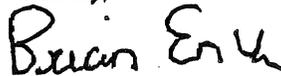
To the best of my knowledge, I believe that with the submittal of the attached property information the legal description for each property within, or partially within that contaminated site boundary has been included with the closure request. The contaminated property consists of Dane County tax parcel #071027202010.

The attached property information includes:

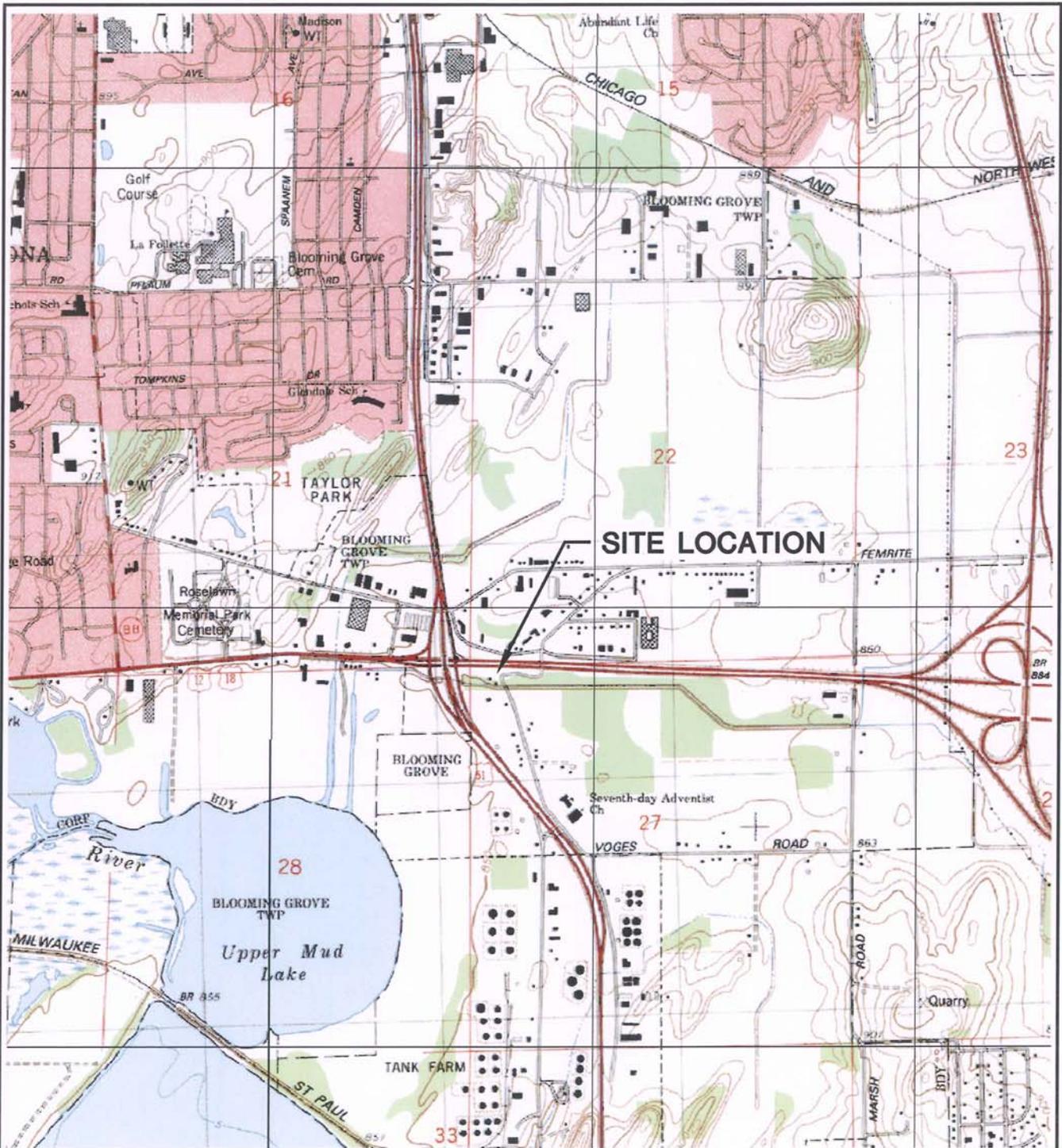
- Deeds for the property located at 4 Collins Court, Madison, Wisconsin.

The deeds included reference two parcels that were sold to Arcon, Inc. Subsequently, the parcels were combined and are represented by a new parcel number (071027202100) as shown with the attached Access Dane parcel information sheet. The tax property description on this sheet for the combined property matches the information provided in the two deeds attached. If you need additional information please contact me at 563.583.3564.

Sincerely,



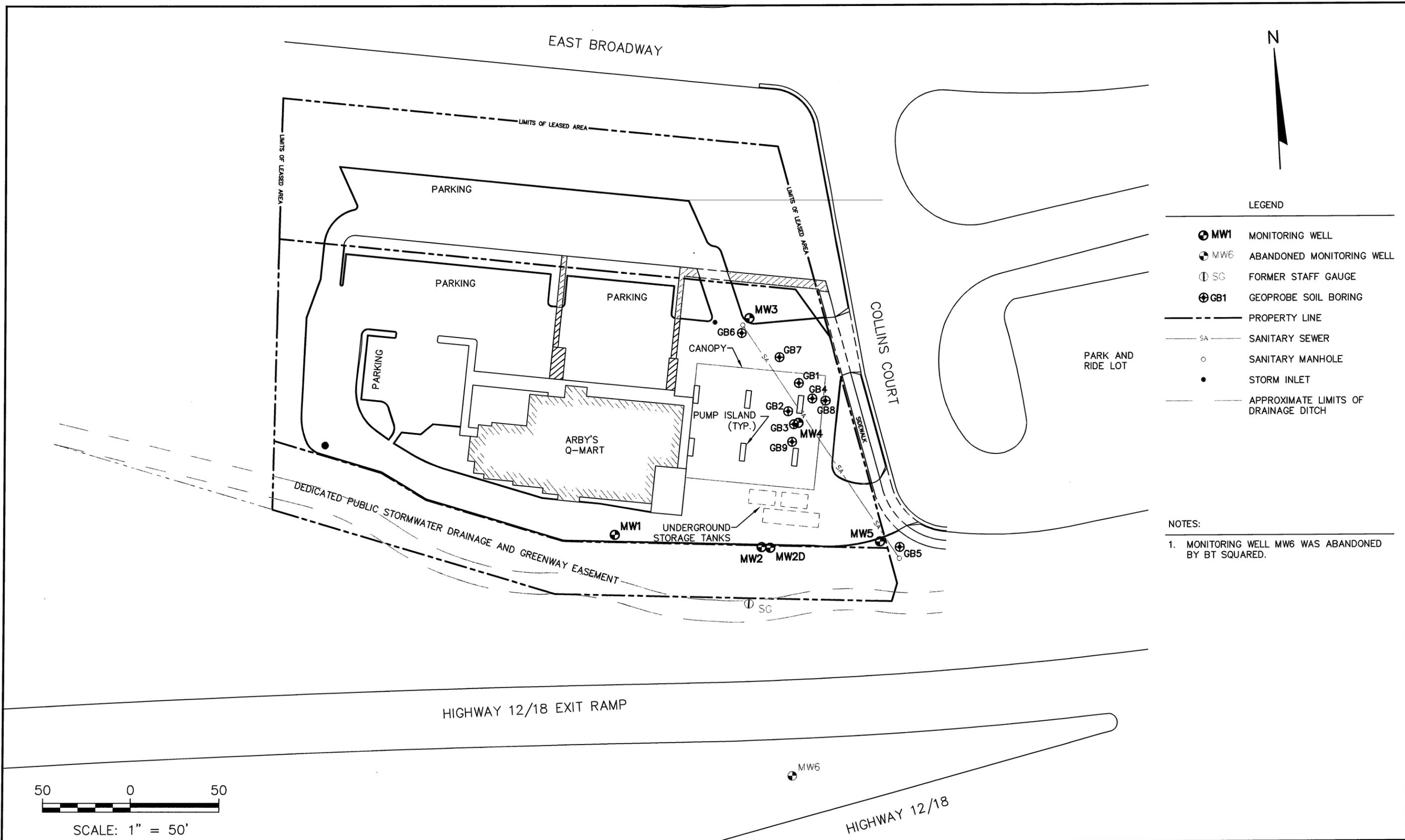
Brian Enke
Liberty Station, LLC



MADISON EAST QUADRANGLE
 WISCONSIN-DANE CO.
 7.5 MINUTE SERIES (TOPOGRAPHIC)
 SE/4 MADISON 15' QUADRANGLE
 1983
 SCALE: 1" = 2,000'



CLIENT	LIBERTY STATION LLC P.O. BOX 207 DUBUQUE, IA 52004	SITE	PHILLIPS 66/ARBY'S Q-MART 4 COLLINS COURT MADISON, WI 53716	SITE LOCATION MAP	
	PROJECT NO. 3148		DRAWN BY: KP	ENGINEER	 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830
DRAWN: 07/05/06	CHECKED BY: EO	E-1			
REVISED: 04/27/11	APPROVED BY: RRJ 05/03/11				



- LEGEND
- ⊕ MW1 MONITORING WELL
 - ⊕ MW6 ABANDONED MONITORING WELL
 - Ⓢ SG FORMER STAFF GAUGE
 - ⊕ GB1 GEOPROBE SOIL BORING
 - PROPERTY LINE
 - SA SANITARY SEWER
 - SANITARY MANHOLE
 - STORM INLET
 - APPROXIMATE LIMITS OF DRAINAGE DITCH

NOTES:

1. MONITORING WELL MW6 WAS ABANDONED BY BT SQUARED.

PROJECT NO. 3148	DRAWN BY: KH	ENGINEER	BT SQUARED 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT	LIBERTY STATION LLC P.O. BOX 207 DUBUQUE, IA 52004	SITE	PHILLIPS 66/ARBY'S Q-MART 4 COLLINS COURT MADISON, WI 53716	SITE PLAN	FIGURE
DRAWN: 02/02/07	CHECKED BY: RRJ								E-2
REVISED: 04/27/11	APPROVED BY: RRJ 05/03/11								

I:\3148\figures-general\SITE.dwg, 5/3/2011 8:28:02 AM

EAST BROADWAY

PARKING

ARBY'S Q-MART

UNDERGROUND STORAGE TANKS

HIGHWAY 12/18 EXIT RAMP

HIGHWAY 12/18

COLLINS COURT

LEGEND

- ⊙ MW1 MONITORING WELL
- ⊙ MW6 ABANDONED MONITORING WELL
- ⊙ SG FORMER STAFF GAUGE
- ⊙ GB1 GEOPROBE SOIL BORING
- PROPERTY LINE
- SA SANITARY SEWER
- SANITARY MANHOLE
- STORM INLET
- - - APPROXIMATE LIMITS OF DRAINAGE DITCH
- GRO GASOLINE RANGE ORGANICS (mg/kg)
- B BENZENE (μg/kg)
- E ETHYLENE (μg/kg)
- T TOULENE (μg/kg)
- X XYLENE (μg/kg)
- 1,2,4-TMB 1,2,4-TRIMETHYLBENZENE (μg/L)
- 1,3,5-TMB 1,3,5-TRIMETHYLBENZENE (μg/L)
- MTBE METHYL-TERT-BUTYL ETHER (μg/L)
- (NA) NOT ANALYZED
- - - APPROXIMATE EXTENT OF RESIDUAL SOIL CONTAMINATION

NOTES:

1. MONITORING WELL MW6 WAS ABANDONED BY BT SQUARED.
2. BOLD VALUES EXCEED NR 720 RESIDUAL CONTAMINANT LEVEL AND/OR NR 746 TABLE 1 AND TABLE 2 VALUES.



SCALE: 1" = 50'

DEPTH	GRO	B	E	T	X	1,2,4-TMB	1,3,5-TMB	MTBE
2-4'	<5.5	<28	<28	<28	<83	<28	<28	<28
4-6'	<5.9	<29	<29	<29	<88	<29	<29	<29

DEPTH	GRO	B	E	T	X	1,2,4-TMB	1,3,5-TMB	MTBE
2-4'	<5.7	<29	<29	<29	<86	<29	<29	<29
6-8'	<5.7	<29	<29	<29	<86	<29	<29	<29

DEPTH	GRO	B	E	T	X	1,2,4-TMB	1,3,5-TMB	MTBE
2-4'	<5.4	<27	<27	<27	<81	<27	<27	<27
6-8'	<5.6	200	28	700	<84	<28	<28	<28

DEPTH	GRO	B	E	T	X	1,2,4-TMB	1,3,5-TMB	MTBE
2-4'	5.4	62	160	780	720	390	140	<27
4-6'	<5.4	41	34	300	160	55	<27	<27

DEPTH	GRO	B	E	T	X	1,2,4-TMB	1,3,5-TMB	MTBE
2-4'	<5.3	<26	<26	<26	<79	<26	<26	<26
4-6'	<5.4	<27	<27	<27	<81	<27	<27	<27

DEPTH	GRO	B	E	T	X	1,2,4-TMB	1,3,5-TMB	MTBE
2-4'	<5.3	<27	<27	<27	<80	<27	<27	<27
6-8'	<5.5	<27	<27	<27	<82	<27	<27	<27

DEPTH	GRO	B	E	T	X	1,2,4-TMB	1,3,5-TMB	MTBE
2-4'	<6.1	110	<31	<31	<92	<31	<31	<31
6-8'	<5.5	<28	52	<28	330	550	120	<28

DEPTH	GRO	B	E	T	X	1,2,4-TMB	1,3,5-TMB	MTBE
2-4'	<5.5	<27	<27	<27	<82	<27	<27	<27
6-8'	<5.8	<29	<29	<29	<86	<29	<29	<29

DEPTH	GRO	B	E	T	X	1,2,4-TMB	1,3,5-TMB	MTBE
2-4'	<5.9	<29	<29	<29	<88	<29	<29	<29
6-8'	<6.3	<32	<32	<32	<95	<32	<32	<32

DEPTH	GRO	B	E	T	X	1,2,4-TMB	1,3,5-TMB	MTBE
2-4'	<5.5	<28	<28	<28	<83	<28	<28	<28
6-8'	<6.3	<32	<32	67	<95	<32	<32	<32

DEPTH	GRO	B	E	T	X	1,2,4-TMB	1,3,5-TMB	MTBE
2-4'	<5.8	<29	<29	<29	<87	<29	<29	<29
4-6'	<6.5	<33	<33	<33	<98	<33	<33	<33

DEPTH	GRO	B	E	T	X	1,2,4-TMB	1,3,5-TMB	MTBE
2-4'	3,200	34,000	82,000	600,000	410,000	180,000	55,000	<1,400
4-6'	<5.6	190	42	620	190	110	41	<28

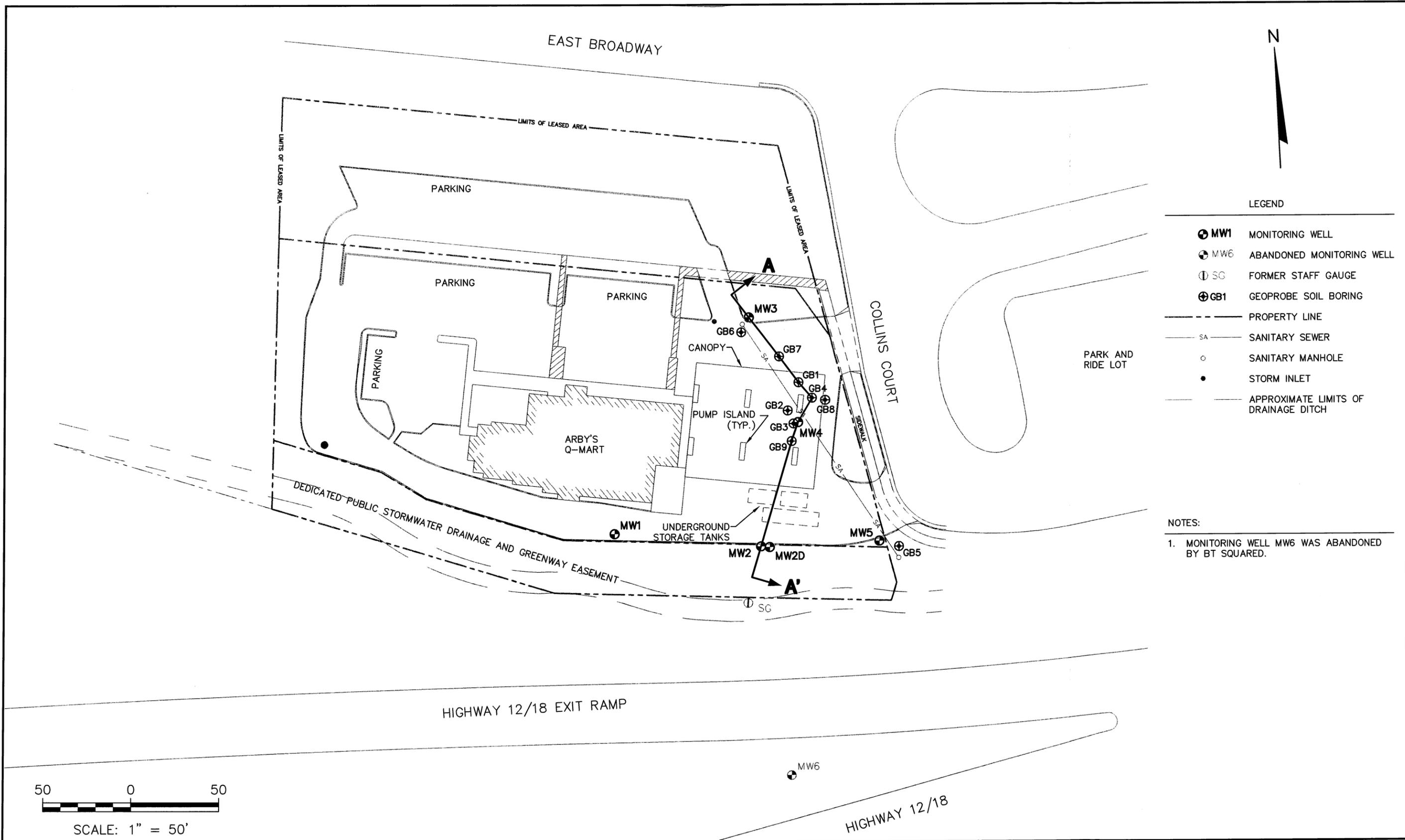
DEPTH	GRO	B	E	T	X	1,2,4-TMB	1,3,5-TMB	MTBE
0-2'	<5.5	<28	<28	<28	<83	<28	<28	<28
4-6'	<5.4	<27	<27	<27	<82	<27	<27	<27

DEPTH	GRO	B	E	T	X	1,2,4-TMB	1,3,5-TMB	MTBE
2-4'	<5.7	<28	<28	<28	<85	<28	<28	<28
6-7'	<5.9	<30	<30	<30	<89	<30	<30	<30

DEPTH	GRO	B	E	T	X	1,2,4-TMB	1,3,5-TMB	MTBE
2-4'	<6.1	55	<30	<30	<91	<30	<30	<30

PROJECT NO. 3148	DRAWN BY: KH	<p>2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830</p>	CLIENT: LIBERTY STATION LLC P.O. BOX 207 DUBUQUE, IA 52004	SITE: PHILLIPS 66/ARBY'S Q-MART 4 COLLINS COURT MADISON, WI 53716	SOIL ANALYTICAL RESULTS MAP	FIGURE
DRAWN: 02/02/07	CHECKED BY: RRJ					E-3
REVISED: 04/27/11	APPROVED BY: RRJ 05/03/11					

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- LEGEND
- MW1 MONITORING WELL
 - MW6 ABANDONED MONITORING WELL
 - SG FORMER STAFF GAUGE
 - GB1 GEOPROBE SOIL BORING
 - - - - - PROPERTY LINE
 - SA SANITARY SEWER
 - O SANITARY MANHOLE
 - STORM INLET
 - - - - - APPROXIMATE LIMITS OF DRAINAGE DITCH

NOTES:

1. MONITORING WELL MW6 WAS ABANDONED BY BT SQUARED.

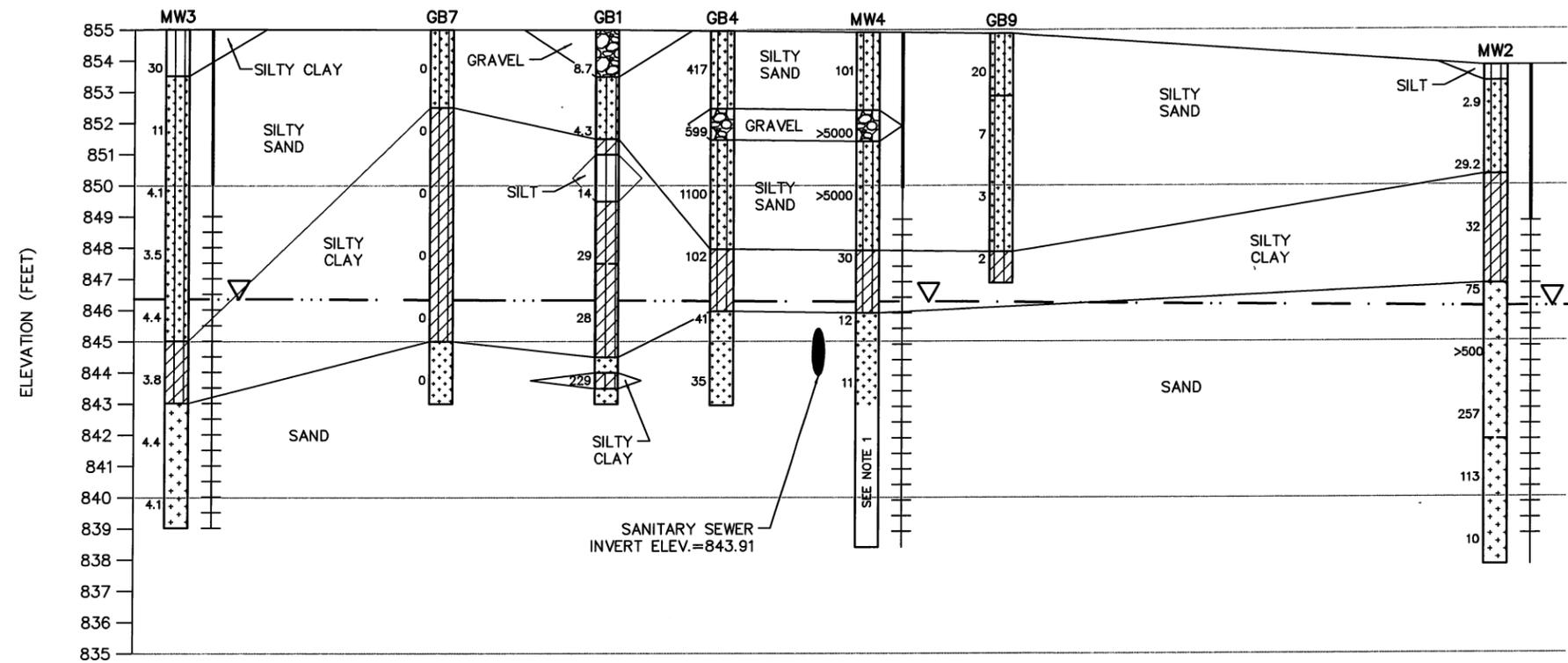
50 0 50
SCALE: 1" = 50'

PROJECT NO. 3148	DRAWN BY: KH	ENGINEER	BT SQUARED 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT	LIBERTY STATION LLC P.O. BOX 207 DUBUQUE, IA 52004	SITE	PHILLIPS 66/ARBY'S Q-MART 4 COLLINS COURT MADISON, WI 53716	CROSS SECTION LOCATION MAP	FIGURE
DRAWN: 02/02/07	CHECKED BY: RRJ								E-4
REVISED: 04/27/11	APPROVED BY: RRJ 05/03/11								

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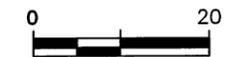
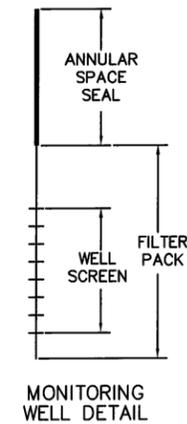
A
(NORTH)

A'
(SOUTH)



LEGEND

- SAND, WELL GRADED, LITTLE OR NO FINES (SW)
- SAND, POORLY GRADED, LITTLE OR NO FINES (SP)
- SILT (ML)
- ORGANIC SILT OR CLAY, LOW PLASTICITY (OL)
- LEAN CLAY (CL)
- SILTY SAND (SM)
- SILTY CLAY (CL-ML)
- PEA GRAVEL (GP)
- 30 PHOTO-IONIZATION DETECTOR READING
- WATER TABLE ON 01/04/07

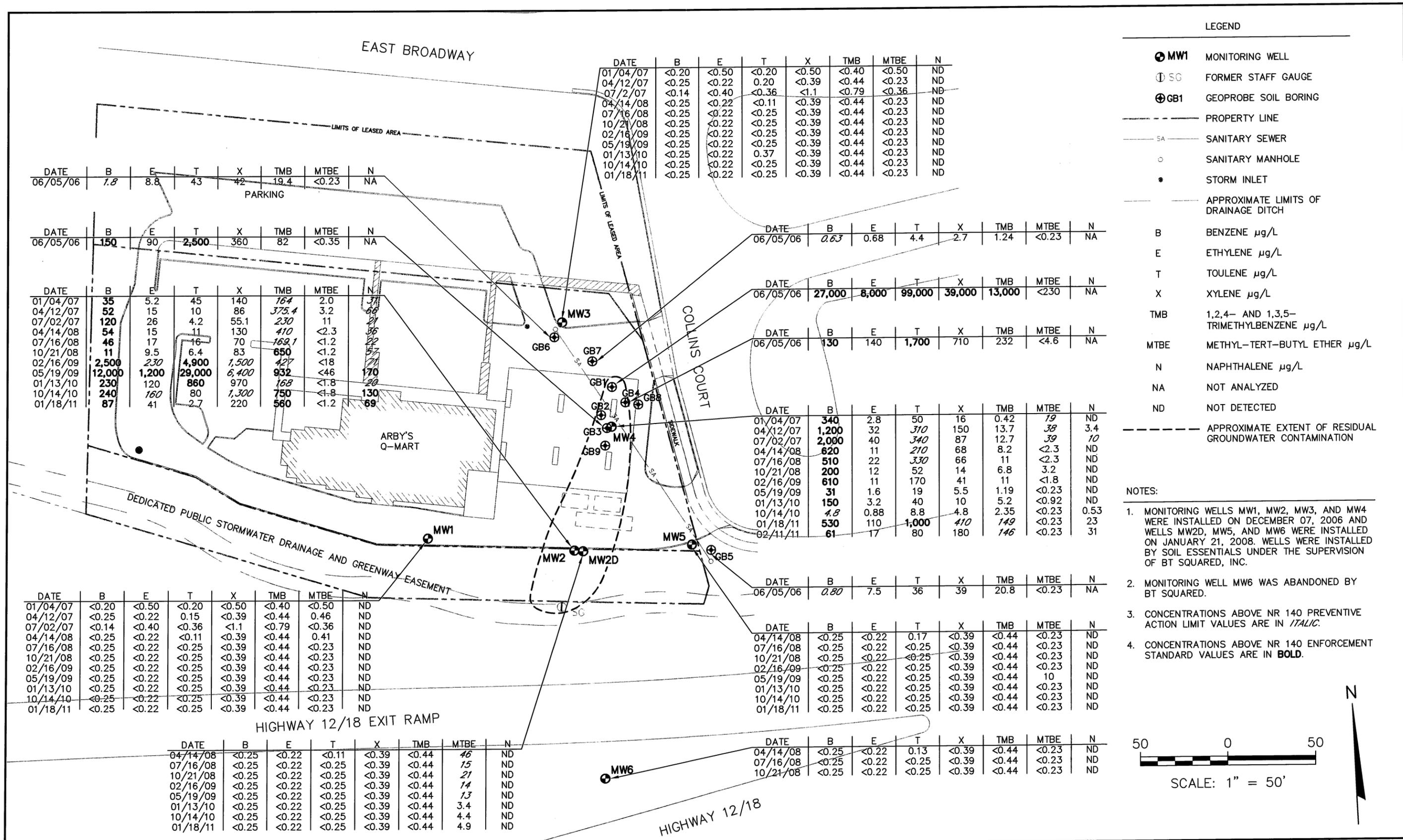


HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 5'
 VERTICAL EXAGGERATION = 4X

NOTES:

1. BECAUSE MW4 WAS INSTALLED NEAR GB3, MW4 WAS BLIND DRILLED TO THE BORING TERMINUS. PLEASE REFER TO THE BORING LOG FOR GB3 FOR SUBSURFACE CHARACTERISTICS ENCOUNTERED DURING THE INSTALLATION OF MW4.
2. SANITARY SEWER LOCATION AS SHOWN ON THIS CROSS SECTION IS APPROXIMATE AND WAS ESTIMATED USING THE INVERT ELEVATIONS MEASURED IN THE FIELD AT THE NORTH AND SOUTH SANITARY MANHOLES ON FEBRUARY 7, 2007.

PROJECT NO. 3148	DRAWN BY: KH	ENGINEER	BT SQUARED 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT	LIBERTY STATION LLC P.O. BOX 207 DUBUQUE, IA 52004	SITE	PHILLIPS 66/ARBY'S Q-MART 4 COLLINS COURT MADISON, WI 53716	CROSS SECTION A-A'	FIGURE
DRAWN: 02/05/07	CHECKED BY: RRRJ								E-5
REVISED: 04/27/11	APPROVED BY: RRRJ 05/03/11								

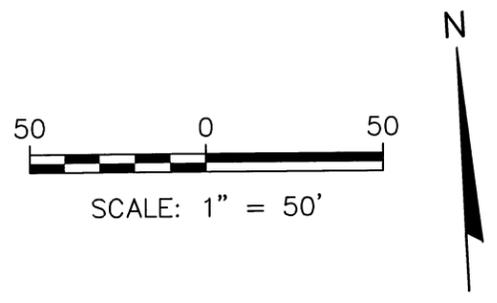


LEGEND

- MW1 MONITORING WELL
- Ⓢ SG FORMER STAFF GAUGE
- ⊕ GB1 GEOPROBE SOIL BORING
- PROPERTY LINE
- SA SANITARY SEWER
- SANITARY MANHOLE
- STORM INLET
- APPROXIMATE LIMITS OF DRAINAGE DITCH
- B BENZENE µg/L
- E ETHYLENE µg/L
- T TOUENE µg/L
- X XYLENE µg/L
- TMB 1,2,4- AND 1,3,5- TRIMETHYLBENZENE µg/L
- MTBE METHYL-TERT-BUTYL ETHER µg/L
- N NAPHTHALENE µg/L
- NA NOT ANALYZED
- ND NOT DETECTED

NOTES:

1. MONITORING WELLS MW1, MW2, MW3, AND MW4 WERE INSTALLED ON DECEMBER 07, 2006 AND WELLS MW2D, MW5, AND MW6 WERE INSTALLED ON JANUARY 21, 2008. WELLS WERE INSTALLED BY SOIL ESSENTIALS UNDER THE SUPERVISION OF BT SQUARED, INC.
2. MONITORING WELL MW6 WAS ABANDONED BY BT SQUARED.
3. CONCENTRATIONS ABOVE NR 140 PREVENTIVE ACTION LIMIT VALUES ARE IN *ITALIC*.
4. CONCENTRATIONS ABOVE NR 140 ENFORCEMENT STANDARD VALUES ARE IN **BOLD**.



DATE	B	E	T	X	TMB	MTBE	N
01/04/07	<0.20	<0.50	<0.20	<0.50	<0.40	<0.50	ND
04/12/07	<0.25	<0.22	0.15	<0.39	<0.44	0.46	ND
07/02/07	<0.14	<0.40	<0.36	<1.1	<0.79	<0.36	ND
04/14/08	<0.25	<0.22	<0.11	<0.39	<0.44	0.41	ND
07/16/08	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
10/21/08	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
02/16/09	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
05/19/09	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
01/13/10	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
10/14/10	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
01/18/11	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND

DATE	B	E	T	X	TMB	MTBE	N
06/05/06	<i>1.8</i>	8.8	4.3	42	19.4	<0.23	NA

DATE	B	E	T	X	TMB	MTBE	N
06/05/06	150	90	2,500	360	82	<0.35	NA

DATE	B	E	T	X	TMB	MTBE	N
01/04/07	35	5.2	45	140	<i>164</i>	2.0	ND
04/12/07	52	15	10	86	<i>375.4</i>	3.2	ND
07/02/07	120	26	4.2	55.1	<i>230</i>	11	ND
04/14/08	54	15	11	130	<i>410</i>	<2.3	ND
07/16/08	46	17	16	70	<i>169.1</i>	<1.2	ND
10/21/08	11	9.5	6.4	83	650	<1.2	ND
02/16/09	2,500	<i>230</i>	4,900	<i>1,500</i>	<i>427</i>	<18	ND
05/19/09	12,000	1,200	29,000	<i>6,400</i>	932	<46	ND
01/13/10	230	120	860	970	<i>168</i>	<1.8	ND
10/14/10	240	<i>160</i>	80	<i>1,300</i>	750	<1.8	ND
01/18/11	87	41	2.7	220	560	<1.2	ND

DATE	B	E	T	X	TMB	MTBE	N
06/05/06	<i>0.63</i>	0.68	4.4	2.7	1.24	<0.23	NA

DATE	B	E	T	X	TMB	MTBE	N
06/05/06	27,000	8,000	99,000	39,000	13,000	<230	NA

DATE	B	E	T	X	TMB	MTBE	N
06/05/06	130	140	1,700	710	232	<4.6	NA

DATE	B	E	T	X	TMB	MTBE	N
01/04/07	340	2.8	50	16	0.42	<i>19</i>	ND
04/12/07	1,200	32	<i>310</i>	150	13.7	<i>38</i>	3.4
07/02/07	2,000	40	<i>340</i>	87	12.7	<i>39</i>	10
04/14/08	620	11	<i>210</i>	68	8.2	<2.3	ND
07/16/08	510	22	<i>330</i>	66	11	<2.3	ND
10/21/08	200	12	52	14	6.8	3.2	ND
02/16/09	610	11	170	41	11	<1.8	ND
05/19/09	31	1.6	19	5.5	1.19	<0.23	ND
01/13/10	150	3.2	40	10	5.2	<0.92	ND
10/14/10	<i>4.8</i>	0.88	8.8	4.8	2.35	<0.23	0.53
01/18/11	530	110	1,000	<i>410</i>	<i>149</i>	<0.23	23
02/11/11	61	17	80	180	<i>146</i>	<0.23	31

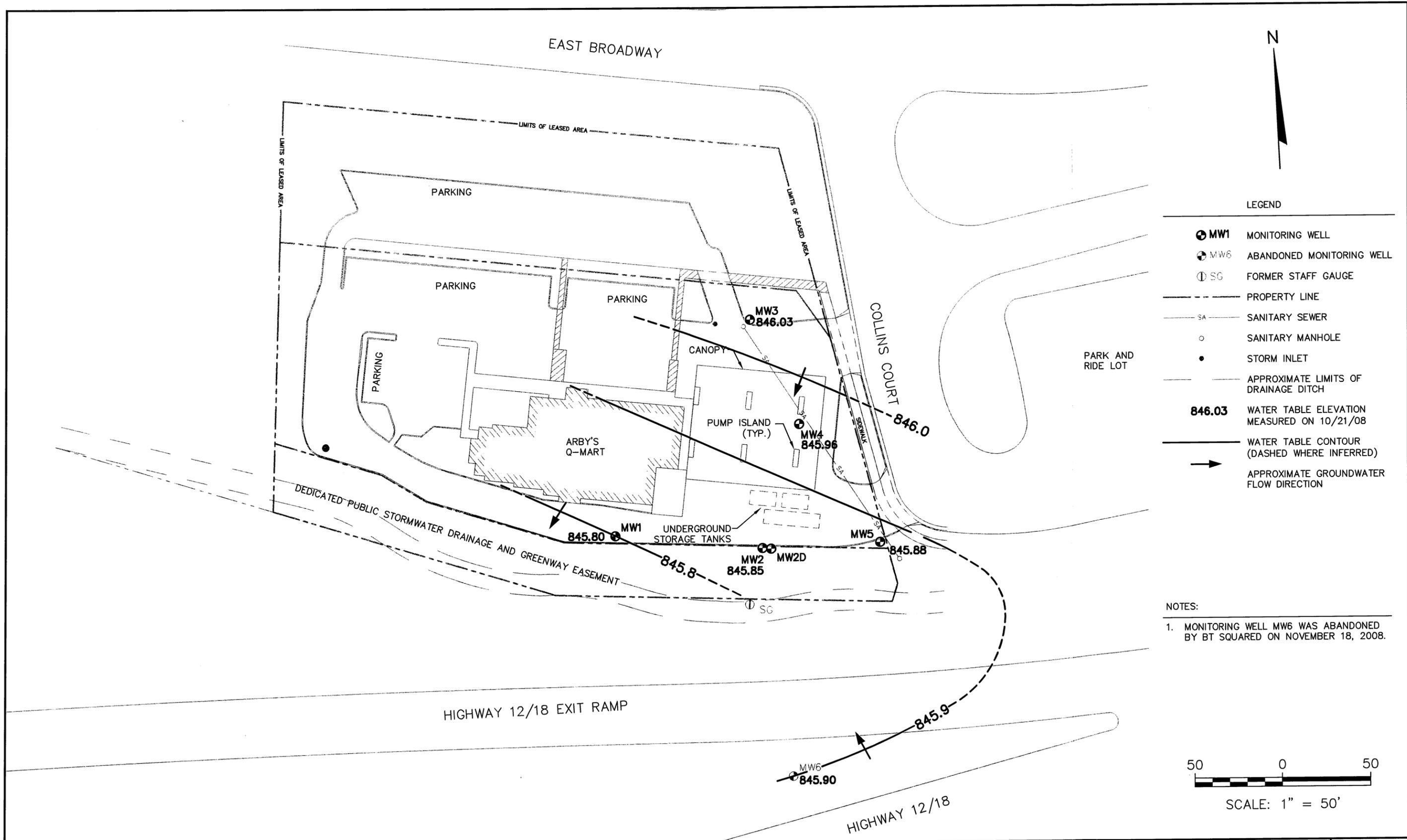
DATE	B	E	T	X	TMB	MTBE	N
06/05/06	<i>0.80</i>	7.5	36	39	20.8	<0.23	NA

DATE	B	E	T	X	TMB	MTBE	N
04/14/08	<0.25	<0.22	0.17	<0.39	<0.44	<0.23	ND
07/16/08	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
10/21/08	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
02/16/09	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
05/19/09	<0.25	<0.22	<0.25	<0.39	<0.44	10	ND
01/13/10	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
10/14/10	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
01/18/11	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND

DATE	B	E	T	X	TMB	MTBE	N
01/04/07	<0.20	<0.50	<0.20	<0.50	<0.40	<0.50	ND
04/12/07	<0.25	<0.22	0.15	<0.39	<0.44	0.46	ND
07/02/07	<0.14	<0.40	<0.36	<1.1	<0.79	<0.36	ND
04/14/08	<0.25	<0.22	<0.11	<0.39	<0.44	0.41	ND
07/16/08	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
10/21/08	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
02/16/09	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
05/19/09	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
01/13/10	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
10/14/10	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
01/18/11	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND

DATE	B	E	T	X	TMB	MTBE	N
04/14/08	<0.25	<0.22	<0.11	<0.39	<0.44	<i>46</i>	ND
07/16/08	<0.25	<0.22	<0.25	<0.39	<0.44	<i>15</i>	ND
10/21/08	<0.25	<0.22	<0.25	<0.39	<0.44	<i>21</i>	ND
02/16/09	<0.25	<0.22	<0.25	<0.39	<0.44	<i>14</i>	ND
05/19/09	<0.25	<0.22	<0.25	<0.39	<0.44	<i>13</i>	ND
01/13/10	<0.25	<0.22	<0.25	<0.39	<0.44	3.4	ND
10/14/10	<0.25	<0.22	<0.25	<0.39	<0.44	4.4	ND
01/18/11	<0.25	<0.22	<0.25	<0.39	<0.44	4.9	ND

PROJECT NO. 3148	DRAWN BY: KH	ENGINEER	BT SQUARED 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT	LIBERTY STATION LLC P.O. BOX 207 DUBUQUE, IA 52004	SITE	PHILLIPS 66/ARBY'S Q-MART 4 COLLINS COURT MADISON, WI 53716	FIGURE		
DRAWN: 02/02/07	CHECKED BY: RRJ								GROUNDWATER ANALYTICAL RESULTS MAP	E-6
REVISED: 04/27/11	APPROVED BY: RRJ 05/03/11									



PROJECT NO. 3148	DRAWN BY: KP	BT SQUARED 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT LIBERTY STATION LLC P.O. BOX 207 DUBUQUE, IA 52004	SITE PHILLIPS 66/ARBY'S Q-MART 4 COLLINS COURT MADISON, WI 53716	WATER TABLE MAP OCTOBER 21, 2008	FIGURE
DRAWN: 07/28/09	CHECKED BY: RRJ					E-7
REVISED: 04/27/11	APPROVED BY: RRJ 05/03/11					

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Table E-8
Soil Analytical Results Summary
Phillips 66 / Arby's Q-Mart
BT Squared Project #3148
Madison, Wisconsin

(Results are in µg/kg, except where noted otherwise)

Sample ID	Date	Depth (feet)	PID	GRO (mg/kg)	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
GB1 S2	6/5/2006	2-4	4.3	<5.5	<28	<28	<28	<83	<28	<28	<28	NA
GB1 S4	6/5/2006	6-8	29	<6.3	<32	<32	67 CF6	<95	<32	<32	<32	NA
GB2 S2	6/5/2006	2-4	39	<5.4	<27	<27	<27	<81	<27	<27	<27	NA
GB2 S4	6/5/2006	6-8	52	<5.6	200	28	700	<84	<28	<28	<28	NA
GB3 S2	6/5/2006	2-4	>5,000	5.4	62	160	780	720	390	140	<27	NA
GB3 S3	6/5/2006	4-6	>5,000	<5.4	41	34	300	160	55	<27	<27	NA
GB4 S2	6/5/2006	2-4	599	3,200	34,000	82,000	600,000	410,000	180,000	55,000	<1,400	NA
GB4 S3	6/5/2006	4-6	1,100	<5.6	190	42	620	190	110	41	<28	NA
GB5 S1	6/5/2006	0-2	25	<5.5	<28	<28	<28	<83	<28	<28	<28	NA
GB5 S3	6/5/2006	4-6	21	<5.4	<27	<27	<27	<82	<27	<27	<27	NA
GB6 S4	6/5/2006	6-8	0	<5.7	<29	<29	<29	<86	<29	<29	<29	NA
GB7 S2	6/5/2006	2-4	0	<5.9	<29	<29	<29	<88	<29	<29	<29	NA
GB7 S4	6/5/2006	6-8	0	<6.3	<32	<32	<32	<95	<32	<32	<32	NA
GB8 S2	6/5/2006	2-4	0	<5.8	<29	<29	<29	<87	<29	<29	<29	NA
GB8 S3	6/5/2006	4-6	2	<6.5	<33	<33	<33	<98	<33	<33	<33	NA
GB9 S2	6/5/2006	2-4	7	<5.3	<26	<26	<26	<79	<26	<26	<26	NA
GB9 S3	6/5/2006	4-6	3	<5.4	<27	<27	<27	<81	<27	<27	<27	NA
MW1 S2	12/7/2006	2-4	3.8	<5.3	<27	<27	<27	<80	<27	<27	<27	NA
MW1 S4	12/7/2006	6-8	2.8	<5.5	<27	<27	<27	<82	<27	<27	<27	NA
MW2 S2	12/7/2006	2-4	29.2	<6.1	110	<31	<31	<92	<31	<31	<31	NA
MW2 S4	12/7/2006	6-8	75	<5.5	<28	52	<28	330	550	120	<28	NA
MW2D	1/21/2008	2-4	--	<6.1	55	<30	<30	<91	<30	<30	<30	<61
MW3 S2	12/7/2006	2-4	11	<5.5	<28	<28	<28	<83	<28	<28	<28	NA
MW3 S3	12/7/2006	4-6	4.1	<5.9	<29	<29	<29	<88	<29	<29	<29	NA
MW5	1/21/2008	2-4	--	<5.7	<28	<28	<28	<85	<28	<28	<28	<57
	1/21/2008	6-7	--	<5.9	<30	<30	<30	<89	<30	<30	<30	<59

Table E-8
Soil Analytical Results Summary
Phillips 66 / Arby's Q-Mart
BT Squared Project #3148
Madison, Wisconsin

(Results are in µg/kg, except where noted otherwise)

Sample ID	Date	Depth (feet)	PID	GRO (mg/kg)	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene
MW6	1/21/2008	2-4	--	<5.5	<27	<27	<27	<82	<27	<27	<27	<55
	1/21/2008	6-8	--	<5.8	<29	<29	<29	<86	<29	<29	<29	<58
MeOH Blank	6/5/2006	--	--	<5.0	<25	<25	<25	<75	<25	<25	<25	NA
	12/7/2006	--	--	<5.0	<25	<25	<25	<75	<25	<25	<25	NA
	1/21/2008	--	--	NA	<25	<25	<25	<75	<25	<25	<25	<50
	1/21/2008	--	--	NA	<25	<25	<25	<75	<25	<25	<25	<50
NR 720 Residual Contaminant Level (RCL)				100	5.5	2,900	1,500	4,100	NE	NE	NE	NE
NR 746 Table 1				NE	8,500	4,600	38,000	42,000	83,000	11,000	NE	2,700
NR 746 Table 2				NE	1,100	NE	NE	NE	NE	NE	NE	NE

ABBREVIATIONS:

µg/kg = micrograms per kilogram or parts per billion (ppb)
 PID = Photo-Ionization Detector
 NE = Not Established

mg/kg = milligrams per kilogram or parts per million (ppm)
 TMB = Trimethylbenzene

GRO = Gasoline Range Organics
 MTBE = Methyl-tert-butyl ether

NOTES:

Bold values exceed NR 720 RCLs and/or NR 746 Table 1 and Table 2 values.
 NR 720 RCL - Wisconsin Administrative Code (WAC), Chapter NR 720 Residual Contaminant Level.
 NR 746 Table 1 - WAC, Chapter NR 746.06(2)(b) Table 1 - Indicators of Residual Petroleum Product in Soil Pores.
 NR 746 Table 2 - WAC, Chapter NR 746.06(2)(b) Table 2 - Protection of Human Health from Direct Contact with Contaminated Soil.

LABORATORY NOTES:

CF6 = Results confirmed by reanalysis.

Created by: TLR 06/20/06
 Revised by: TLR 2/22/2008
 Checked by: RRJ 4/27/11

I:\3148\Tables-General\Soil_VOCs.xls]Soil VOCs

Table E-9
Groundwater Analytical Results Summary
Phillips 66 / Arby's Q-Mart
BT Squared Project #3148
Madison, Wisconsin
(Results are in µg/l)

Sample	Date	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Other VOCs
GB1	6/5/2006	<u>27,000</u>	<u>8,000</u>	<u>99,000</u>	<u>39,000</u>	<u>13,000</u>	<230	NA
GB3	6/5/2006	<u>150</u>	90	<u>2,500</u>	360	82	<0.35 RL1	NA
GB4	6/5/2006	<u>130</u> P, S6	<u>140</u> P, S6	<u>1,700</u> P, S6	<u>710</u> P, S6	<u>232</u> P, S6	<4.6 P, S6	NA
GB5	6/5/2006	<u>0.80</u> J	7.5	36	39	20.8	<0.23	NA
GB6	6/5/2006	<u>1.8</u>	8.8	43	42	19.4	<0.23	NA
GB7	6/5/2006	<u>0.63</u> J	<u>0.68</u> J	4.4	2.7	<u>1.24</u> J	<0.23	NA
MW1	1/4/2007	<0.20	<0.50	<0.20	<0.50	<0.40	<0.50	ND
	4/12/2007	<0.25	<0.22	<u>0.15</u> J	<0.39	<0.44	<u>0.46</u> J	ND
	7/2/2007	<0.14	<0.40	<0.36	<1.1	<0.79	<0.36	ND
	4/14/2008	<0.25	<0.22	<0.11	<0.39	<0.44	<u>0.41</u> J	ND
	7/16/2008	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
	10/21/2008	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
	2/16/2009	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
	5/19/2009	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
	1/13/2010	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
	10/14/2010	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
1/18/2011	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND	

Table E-9
Groundwater Analytical Results Summary
Phillips 66 / Arby's Q-Mart
BT Squared Project #3148
Madison, Wisconsin
(Results are in µg/l)

Sample	Date	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Other VOCs	
MW2	1/14/2007	<u>35</u>	5.2	45	140	<u>164</u>	2.0	n-Butylbenzene	2.2
								Isopropylbenzene	1.1
								p-Isopropyltoluene	0.48 ^J
								Naphthalene	<u>31</u>
								n-Propylbenzene	3.8
	4/12/2007	<u>52</u>	15	10	86	<u>375.4</u>	3.2 ^J	Naphthalene	<u>66</u>
	4/12/2007 Dup	<u>52</u>	16	9.4	87	<u>384.6</u>	4.0	Naphthalene	<u>68</u>
	7/2/2007	<u>120</u>	26	4.2	55.1	<u>230</u>	11	Naphthalene	<u>21</u>
	7/2/2007 Dup	<u>120</u>	26	5.0	60.5	<u>230</u>	11	Naphthalene	<u>21</u>
	4/14/2008	<u>54</u>	15	11	130	<u>410</u>	<2.3	Naphthalene	<u>36</u>
	7/16/2008	<u>46</u>	17	16	70	<u>169.1</u>	<1.2	Naphthalene	<u>22</u>
	10/21/2008	<u>11</u>	9.5	6.4	83	<u>650</u>	<1.2	Naphthalene	<u>57</u>
	2/16/2009	<u>2,500</u>	<u>230</u>	<u>4,900</u>	<u>1,500</u>	<u>427</u> ^J	<18	Naphthalene	<u>71</u> ^J
	2/16/2009 Dup	<u>2,400</u>	<u>240</u>	<u>4,900</u>	<u>1,500</u>	<u>418</u> ^J	<18	Naphthalene	<u>53</u> ^J
	5/19/2009	<u>12,000</u>	<u>1,200</u>	<u>29,000</u>	<u>6,400</u>	<u>932</u>	<46	Naphthalene	<u>170</u> ^J
	5/19/2009 Dup	<u>12,000</u>	<u>1,100</u>	<u>27,000</u>	<u>5,900</u>	<u>942</u> ^J	<46	Naphthalene	<u>310</u> ^J
	1/13/2010	<u>230</u>	120	<u>860</u>	<u>970</u>	<u>168</u>	<1.8	Naphthalene	<u>20</u>
10/14/2010	<u>240</u>	<u>160</u>	80	<u>1,300</u>	<u>750</u>	<1.8	Naphthalene	<u>130</u>	
10/14/2010 Dup	<u>230</u>	<u>160</u>	78	<u>1,400</u>	<u>796</u>	<1.8	Naphthalene	<u>140</u>	
1/18/2011	<u>87</u>	41	2.7 ^J	220	<u>560</u>	<1.2	Naphthalene	<u>69</u>	
1/18/2011 Dup	<u>86</u>	41	2.6 ^J	220	<u>560</u>	<1.2	Naphthalene	<u>67</u>	

Table E-9
Groundwater Analytical Results Summary
Phillips 66 / Arby's Q-Mart
BT Squared Project #3148
Madison, Wisconsin
(Results are in µg/l)

Sample	Date	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Other VOCs
MW2D	4/14/2008	<0.25	<0.22	<0.11	<0.39	<0.44	<u>46</u>	ND
	7/16/2008	<0.25	<0.22	<0.25	<0.39	<0.44	<u>15</u>	ND
	10/21/2008	<0.25	<0.22	<0.25	<0.39	<0.44	<u>21</u>	ND
	2/16/2009	<0.25	<0.22	<0.25	<0.39	<0.44	<u>14</u>	ND
	5/19/2009	<0.25	<0.22	<0.25	<0.39	<0.44	<u>13</u>	ND
	1/13/2010	<0.25	<0.22	<0.25	<0.39	<0.44	3.4	ND
	10/14/2010	<0.25	<0.22	<0.25	<0.39	<0.44	4.4	ND
	1/18/2011	<0.25	<0.22	<0.25	<0.39	<0.44	4.9	ND
MW3	1/4/2007	<0.20	<0.50	<0.20	<0.50	<0.40	<0.50	ND
	4/12/2007	<0.25	<0.22	0.20 ^J	<0.39	<0.44	<0.23	ND
	7/2/2007	<0.14	<0.40	<0.36	<1.1	<0.79	<0.36	ND
	4/14/2008	<0.25	<0.22	<0.11	<0.39	<0.44	<0.23	ND
	7/16/2008	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
	10/21/2008	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
	2/16/2009	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
	5/19/2009	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
	1/13/2010	<0.25	<0.22	0.37 ^J	<0.39	<0.44	<0.23	ND
	10/14/2010	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
	1/18/2011	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
MW4	1/4/2007	<u>340</u>	2.8	50	16	0.42 ^J	<u>19</u>	ND
	1/4/2007 Dup	<u>460</u>	2.9	52	17	0.40 ^J	<u>19</u>	ND

Table E-9
Groundwater Analytical Results Summary
Phillips 66 / Arby's Q-Mart
BT Squared Project #3148
Madison, Wisconsin
(Results are in µg/l)

Sample	Date	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Other VOCs
MW4 (cont.)	4/12/2007	<u>1,200</u>	32	<u>310</u>	150	13.7	<u>38</u>	Naphthalene 3.4
	7/2/2007	<u>2,000</u>	40	<u>340</u>	87	12.7 ^Q	<u>39</u>	Naphthalene <u>10</u> ^Q
	4/14/2008	<u>620</u>	11	<u>210</u>	68	8.2 ^J	<2.3	ND
	4/14/2008 Dup	<u>690</u>	18	<u>350</u>	97	10.7 ^J	<2.3	ND
	7/16/2008	<u>510</u>	22	<u>330</u>	66	11	<2.3	ND
	7/16/2008 Dup	<u>390</u>	16	<u>240</u>	50	8.6	<2.3	ND
	10/21/2008	<u>200</u>	12	52	14	6.8	3.2	ND
	10/21/2008 Dup	<u>320</u>	19	91	24	12.88 ^J	3.0	Naphthalene 2.5 ^J
	2/16/2009	<u>610</u>	11	<u>170</u>	41	11	<1.8	ND
	5/19/2009	<u>31</u>	1.6	19	5.5	1.19 ^J	<0.23	ND
	1/13/2010	<u>150</u>	5.5	58	14	6.4	<0.92	ND
	1/13/2010 Dup	<u>150</u>	3.2	40	10	5.2	<0.92	ND
	10/14/2010	<u>4.8</u>	0.88 ^J	8.8	4.8 ^J	2.35 ^J	<0.23	Naphthalene 0.53 ^{J,B}
	1/18/2011	<u>530</u>	110	<u>1,000</u>	<u>410</u>	<u>149</u>	<0.23	Naphthalene 23
2/11/2011 (Resample)	<u>61</u>	17	80	180	<u>146</u>	<0.23	Naphthalene 31	
MW5	4/14/2008	<0.25	<0.22	0.17 ^J	<0.39	<0.44	<0.23	ND
	7/16/2008	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
	10/21/2008	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
	2/16/2009	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
	5/19/2009	<0.25	<0.22	<0.25	<0.39	<0.44	10	ND
	1/13/2010	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND

Table E-9
Groundwater Analytical Results Summary
Phillips 66 / Arby's Q-Mart
BT Squared Project #3148
Madison, Wisconsin
(Results are in µg/l)

Sample	Date	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Other VOCs
MW5 (cont.)	10/14/2010	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
	1/18/2011	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
MW6 **	4/14/2008	<0.25	<0.22	0.13 ^J	<0.39	<0.44	<0.23	ND
	7/16/2008	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
	10/21/2008	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
Rinsate/Field Blank	4/12/2007	<0.25	<0.22	0.29 ^J	<0.39	<0.44	<0.23	ND
	4/14/2008	<0.25	0.39 ^J	0.83	2.4	<0.44	<0.23	ND
	5/19/2009	<0.25	<0.22	0.38 ^J	<0.39	<0.44	<0.23	ND
	1/13/2010	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
Trip Blank	6/5/2006	<0.25	<0.22	0.18 ^J	<0.39	<0.44	<0.23	NA
	1/4/2007	<0.20	<0.50	0.45 ^J	<0.50	<0.40	<0.50	Naphthalene 0.26 ^J Trichloroethene 0.25 ^J
	4/12/2007	<0.25	<0.22	<0.11	<0.39	<0.44	<0.23	ND
	7/2/2007	<0.14	<0.40	0.41 ^Q	<1.1	<0.79	<0.36	Naphthalene 0.81 ^Q
	4/14/2008	<0.25	<0.22	<0.11	<0.39	<0.44	<0.23	ND
	7/16/2008	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
	10/21/2008	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
	2/16/2009	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
	5/19/2009	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
	10/14/2010	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	Naphthalene 0.53 ^{A-01 J,B}

Table E-9
Groundwater Analytical Results Summary
Phillips 66 / Arby's Q-Mart
BT Squared Project #3148
Madison, Wisconsin
(Results are in µg/l)

Sample	Date	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Other VOCs
Trip Blank (cont.)	1/18/2011 ⁽¹⁾	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
	2/11/2011	<0.25	<0.22	<0.25	<0.39	<0.44	<0.23	ND
NR 140 Enforcement Standards (ES)		5	700	800	2,000	480	60	Naphthalene 100 Trichloroethene 5
NR 140 Preventive Action Limits (PAL)		0.5	140	160	400	96	12	Naphthalene 10 Trichloroethene 0.5

ABBREVIATIONS:

µg/l = micrograms per liter or parts per billion (ppb)
TMBs = 1,2,4- and 1,3,5-trimethylbenzenes

MTBE = Methyl-tert-butyl ether
-- = Not Applicable

NA = Not Analyzed
ND = Not Detected

NOTES:

Bold and underlined values meet or exceed NR 140 enforcement standards.

Italic and underlined values meet or exceed NR 140 preventive action limits.

NR 140 ES - Wisconsin Administrative Code (WAC), Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards.

NR 140 PAL - WAC, Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards.

FOOTNOTES:

** Monitoring Well MW6 was abandoned on November 18, 2008.

LABORATORY NOTES:

(1) VOCs analysis - Sample container contained headspace.

A-01 = Possible instrument carryover.

B = Analyte was detected in the associated Method Blank.

J = Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.

P = The sample, as received, was not preserved in accordance to the referenced analytical method.

Q = The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.

RL1 = Reporting limit raised due to sample matrix effects.

S6 = Sediment present.

Created by: LMH
Last revision by: RRJ
Checked by: TLR

Date: 6/19/2006
Date: 2/24/2011
Date: 2/24/2011

I:\3148\Tables-General\GW_VOCs.xls\GW VOCs

Table E-10
Water Level Summary
Phillips 66 / Arby's Q-Mart
BT Squared Project #3148
Madison, Wisconsin

Monitoring Well Identification	Depth to Water in feet below top of well casing							
	MW1	MW2	MW2D	MW3	MW4	MW5	MW6	SG
Measurement Date								
12/15/06	8.49	7.78	NI	8.83	8.81	NI	NI	2.34
01/04/07	8.46	7.73	NI	8.66	8.64	NI	NI	2.33
04/12/07	7.89	7.21	NI	8.04	8.08	NI	NI	CL
07/02/07	8.71	7.99	NI	8.94	8.92	NI	NI	CL
04/18/08	7.20	6.53	6.73	7.25	7.31	6.57	8.09	CL
07/16/08	7.27	6.56	6.88	7.51	7.53	6.78	8.35	CL
10/21/08	8.72	7.99	8.28	8.99	8.95	7.99	9.81	CL
02/16/09	8.41	7.96	8.70	8.66	8.63	7.72	MA	CL
05/19/09	7.99	7.28	7.54	8.13	8.17	7.34	MA	CL
01/13/10	8.61	7.77	8.12	8.84	8.81	7.88	MA	CL
10/14/10	8.51	7.80	8.08	8.81	8.76	7.83	MA	CL
01/18/11	8.75	8.00	8.28	9.02	8.96	8.00	MA	CL

Monitoring Well Identification	Ground Water Elevation in feet above mean sea level (amsl)							
	MW1	MW2	MW2D	MW3	MW4	MW5	MW6	SG
Top of Casing Elevation (feet amsl)	854.52	853.84	854.16	855.02	854.91	853.87	855.71	847.79
Measurement Date								
12/15/06	846.03	846.06	NI	846.19	846.10	NI	NI	845.45
01/04/07	846.06	846.11	NI	846.36	846.27	NI	NI	845.46
04/12/07	846.63	846.63	NI	846.98	846.83	NI	NI	CL
07/02/07	845.81	845.85	NI	846.08	845.99	NI	NI	CL
04/18/08	847.32	847.31	847.43	847.77	847.60	847.30	847.62	CL
07/16/08	847.25	847.28	847.28	847.51	847.38	847.09	847.36	CL
10/21/08	845.80	845.85	845.88	846.03	845.96	845.88	845.90	CL
02/16/09	846.11	845.88	845.46	846.36	846.28	846.15	MA	CL
05/19/09	846.53	846.56	846.62	846.89	846.74	846.53	MA	CL
01/13/10	845.91	846.07	846.04	846.18	846.10	845.99	MA	CL
10/14/10	846.01	846.04	846.08	846.21	846.15	846.04	MA	CL
01/18/11	845.77	845.84	845.88	846.00	845.95	845.87	MA	CL

ABBREVIATIONS:

CL = Could not locate staff gauge.

MA = Monitoring well abandoned.

NI = Not Installed

NOTES:

- Monitoring wells and the staff gauge were surveyed to feet above mean sea level using the top nut elevation (860.05) of the fire hydrant located to the east of the site, across Collins Court.
- Monitoring wells MW2D, MW5, and MW6 were installed on January 21, 2008. Monitoring wells were developed on March 29, 2008.
- Monitoring well MW6 was abandoned on November 18, 2008 due to ramp widening activities.

Revised By: R. Joslin 2/9/2011

Checked By: L. Reeves 2/9/2011



2830 Dairy Drive
Madison, WI 53718
p 608.224.2830
f 608.224.2839
RECEIVED
MAY 24 2011
ERS DIVISION

May 19, 2011

Mr. Greg Fries
City of Madison Department of Public Works
Engineering Division
210 Martin Luther King, Jr. Blvd., Room 115
Madison, WI 53703

**SUBJECT: Groundwater Contamination at 4 Collins Court, Madison, Wisconsin
WDNR BRRTS #03-13-547511
Commerce ID 53716-4102-04
BT Squared Project #3148**

Dear Mr. Fries:

The purpose of this letter is to notify you that dissolved petroleum contamination in groundwater greater Wisconsin Administrative Code ch. NR 140 enforcement standards originating from the gas station at 4 Collins Court in Madison (Tax Parcel #71027202010) may have migrated onto property owned by the Madison stormwater utility at 20 Collins Court (Tax Parcel #071027202028). The groundwater sampling data and estimated extent of the dissolved contaminant plume are illustrated on the attached **Figure E-6**. As shown on **Figure E-6**, the City of Madison also has a stormwater drainage easement on the southern portion of the 4 Collins Court property, north of the ditch. Groundwater samples collected from a monitoring well on the south side of the ditch at 20 Collins Court indicate that the contaminant plume has not crossed the ditch to the south.

The Wisconsin Department of Commerce is currently evaluating this site for closure. Please do not hesitate to contact Mr. Jon Heberer at Commerce (608.261.5405) or me at (608.216.7341) if you have any questions regarding this site.

Sincerely,
BT Squared, Inc.

Eric Oelkers, PG
Project Manager

Enclosure: Figure E-6 – Groundwater Analytical Results Map

cc: Mr. Jon Heberer, Wisconsin Department of Commerce

EO/lmh (Template Rev. 01/2011)
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