GIS REGISTRY INFORMATION

SITE NAME: Independent Terminal Services

BRRTS #: 02-13-547957 **FID # (if appropriate):**

COMMERCE # (if appropriate):

CLOSURE DATE: March 31, 2008

STREET ADDRESS: 3910 Terminal Dr.

CITY: Madison

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 576682 Y= 285734

CONTAMINATED MEDIA: Groundwater [ ] Soil [X] Both [ ]

OFF-SOURCE GW CONTAMINATION >ES: [ ] Yes [X] No

IF YES, STREET ADDRESS 1:

GPS COORDINATES (meters in WTM91 projection): X= Y=

OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL): [ ] Yes [X] No

IF YES, STREET ADDRESS 1:

GPS COORDINATES (meters in WTM91 projection): X= Y=

CONTAMINATION IN RIGHT OF WAY: [ ] Yes [X] No

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter or denial letter issued	X
Copy of any maintenance plan referenced in the final closure letter.	
Copy of (soil or land use) deed notice *if any required as a condition of closure*	
Copy of most recent deed, including legal description, for all affected properties	X
Certified survey map or relevant portion of the recorded plat map (*if referenced in the legal description*) for all affected properties	X
County Parcel ID number, *if used for county*, for all affected properties	X
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.	X
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	X
Isoconcentration map(s), *if required for site investigation (SI)* (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. **If not available, include the latest extent of contaminant plume map.**	X
GW: Table of water level elevations, with sampling dates, and free product noted if present	X
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	X
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour	
Geologic cross-sections, *if required for SI.* (8.5x14' if paper copy)	X
RP certified statement that legal descriptions are complete and accurate	X
Copies of off-source notification letters (if applicable)	NA
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	NA

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Lloyd L. Eagan, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY Access via relay - 711

March 31, 2008

File Ref: 02-13-547957

Mr. John Ragsdill
ARC Terminals Inc
Terminal Oil Group C/O Independent Services Oil Group
2040 North Loop 336
Suite 210
Conroe, TX 77304-3579

Subject: Final Closure, Independent Terminal Services, Oil Spill,
3910 Terminal Drive, McFarland, WI

Dear Mr. Ragsdill:

On January 29, 2008, the South Central Region Closure Committee reviewed your request for closure of the case described above. The South Central Region Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. On March 3, 2008, you were notified that the Closure Committee had granted conditional closure to this case.

On March 21, 2008, the Department received correspondence indicating that you have complied with the requirements of closure. Your consultant BT2, Inc. has provided documentation that a drum containing purge water has been removed from the site. In addition, BT2, Inc. reported that they inspected the site on March 19, 2008 and has confirmed that there are not other drums or piles of contaminated soil from the oil spill remaining on the site.

Based on the correspondence and data provided, it appears that your case meets the requirements of ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time.

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

GIS Registry

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

- Residual soil contamination exists that must be properly managed should it be excavated or removed

Information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit the RR Sites Map page at: http://dnr.wi.gov/org/aw/rr/gis/index.htm. If your property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line http://dnr.wi.gov/org/water/dwg/3300254.pdf or at the web address listed above for the GIS Registry.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact me at the telephone number shown below.

Sincerely,

Dino Tsoris, P.G.
Hydrogeologist
Remediation & Redevelopment Program
South Central Region
Wisconsin Department of Natural Resources
Telephone (608) 275-3299

cc: Eric Oelkers, BT2, Inc., 2830 Dairy Drive, Madison, WI 53718-6751

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Lloyd L. Eagan, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY Access via relay - 711

March 3, 2008

File Ref: #02-13-547957

Mr. John Ragsdill
Terminal Oil Group C/O Independent Services Oil Group
2040 North Loop 336
Suite 210
Conroe, TX 77304-3579

Subject: Conditional Closure, Oil Spill Cleanup Response, 3910 Terminal Drive, Madison, WI

Dear Mr. Ragsdill:

On January 22, 2008 the South Central Region Closure Committee reviewed your request for closure of the case described above. The South Central Region Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the closure committee has determined that the #3 special burner fuel (recycled waste oil) contamination on the site from the spill originating at the broken manifold location appears to have been investigated and remediated to the extent practicable under site conditions Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

MONITORING WELL ABANDONMENT

The monitoring wells used to evaluate the #3 Special Burner Fuel spill were pre-existing and will continue to be uses as part of a continuing remediation at the site under the site reference BRRTs# 02-13-198739 for the Terminal Oil Group.

PURGE WATER, WASTE AND SOIL PILE REMOVAL

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

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.

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

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at the telephone number shown below.

Sincerely,

Dino Tsoris, P.G.
Hydrogeologist/Emergency Response Coordinator
Remediation & Redevelopment Program
South Central Region
Wisconsin Department of Natural Resources
Telephone (608) 275-3299

cc: Mr. Eric Oelkers, BT2, Inc., 2830 Dairy Drive, Madison, WI 53718-6751

ATTACHMENT I

Required GIS Registry Information

1 Copy of Most Recent Deed (attached)

2 Copy of Relevant Section of the Recorded Plat Map as Described in the Most Recent Deed – Part of Outlot 65, Assessor's Plat No. 2 Township of Blooming Grove, Located in the SW ¼ of the NW ¼ of Section 27, T 7 N, R 10 E, City of Madison, Dane County, Wisconsin (attached)

3 Parcel Identification Number
#251/0710-272-0087-4
Contaminated Site Address
3910 Terminal Drive, Madison, Wisconsin
Geographic Position
WTM91 Coordinates: 576682, 285734

4 Site Location Map (**Figure A-2**, attached)

5 Map of Contaminated Properties Within the Site Boundary (**Figure A-3**, attached)

6 Table of Most Recent Analytical Results (**Tables C-1A, C-1B, D-1A, D-1B, E-1A, E-1B**, attached)

7 Groundwater Isoconcentration Map or Map of Horizontal Extent of Contamination (**Figure E-2**, attached)

8 Table of Previous Four Water Level Elevation Measurements From All Monitoring Wells (**Table E-4**, attached)

9 Groundwater Flow Direction Map (**Figure E-3**, attached)

10 Map Showing Location of All Soil Samples (**Figures C-2** and **D-2,** attached)

11 Geologic Cross Section (**Figures D-2** and **D-3**, attached)

12 Responsible Party Statement (attached)

13 Copy of Letters Sent by the RP to All Owners of Properties With Groundwater Exceeding ES (not applicable)

14 Copy of Written Notifications (not applicable)

15 List of Addresses for All Off-source Properties (not applicable)

Document Number

State Bar of Wisconsin Form 2-2003
WARRANTY DEED

Document Name

DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
4266407

12/28/2006 11:56AM

Trans. Fee: 1542.00
Exempt #:

Rec. Fee: 11.00
Pages: 1

001015

Recording Area

Name and Return Address
Attorney Torren K. Pies
Anderson, O'Brien, Bertz, Skrenes & Golla
1257 Main Street, P.O. Box 228
Stevens Point, WI 54481

251-0710-272-0087-4
Parcel Identification Number (PIN)

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

THIS DEED, made between Terminal Oil Group Ltd, a Wisconsin corporation ("Grantor," whether one or more),
and McFarland 3910 Terminal WI, LLC, a Wisconsin limited liability company ("Grantee," whether one or more).

Grantor, for a valuable consideration, conveys and warrants to Grantee the following described real estate, together with the rents, profits, fixtures and other appurtenant interests, in Dane County, State of Wisconsin ("Property") (if more space is needed, please attach addendum):

A parcel of land located in Outlot Sixty-five (65), Assessor's Plat No. 2 Township of Blooming Grove, located in the Southwest 1/4 of the Northwest 1/4 of Section 27, Township 7 North, Range 10 East, in the City of Madison, Dane County, Wisconsin, more particularly described as follows: Commencing at a City of Madison brass cap concrete monument marking the West 1/4 corner of said Section 27 and the point of beginning of this description; thence North 01° 34' 07" West along the West line of said Section 27, 1301.37 feet to the Northeast corner of lands previously conveyed to the State of Wisconsin by Shell Oil Company contained in instrument recorded on March 29, 1972, as Document No. 1320941; thence North 86° 45' 26" East 261.82 feet to a point on the Westerly right-of-way line of U.S. Highway 51; thence South 16° 40' 37" East along said right-of-way line 74.32 feet; thence North 88° 52' 48" East along said right-of-way line 68.66 feet; thence South 39° 40' 20" East along said right-of-way line 786.01 feet to a point of curve; thence continue along said right-of-way line on the arc or a 1808.00 foot radius curve to the right whose long chord bears South 16° 30' 53" East 431.20 feet; thence South 88° 49' 47" West 198.32 feet; thence South 0° 46' 57" West 208.82 feet; thence South 88° 52' 01" West 739.12 feet to the point of beginning of this description.

Exceptions 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, restrictions of record, recorded real estate mortgages, and general taxes levied in the year of closing.**

Dated December 27, 2006.

TERMINAL OIL GROUP LTD

_____(SEAL) By: William G. Schierl (SEAL)
* * William G. Schierl - Secretary

_____(SEAL) _____(SEAL)
* *

AUTHENTICATION

Signature(s) _____
authenticated on _____.

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

THIS INSTRUMENT DRAFTED BY:

Torren K. Pies
1257 Main Street, Stevens Point, WI 54481

ACKNOWLEDGMENT

STATE OF WISCONSIN)
) ss.
PORTAGE COUNTY)

Personally came before me on December 27, 2006,
the above-named William G. Schierl
to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

Torren K. Pies
* Torren K. Pies
Notary Public, State of Wisconsin
My Commission (is permanent) ~~(expires~~

TORREN K. PIES NOTARY PUBLIC STATE OF WISCONSIN

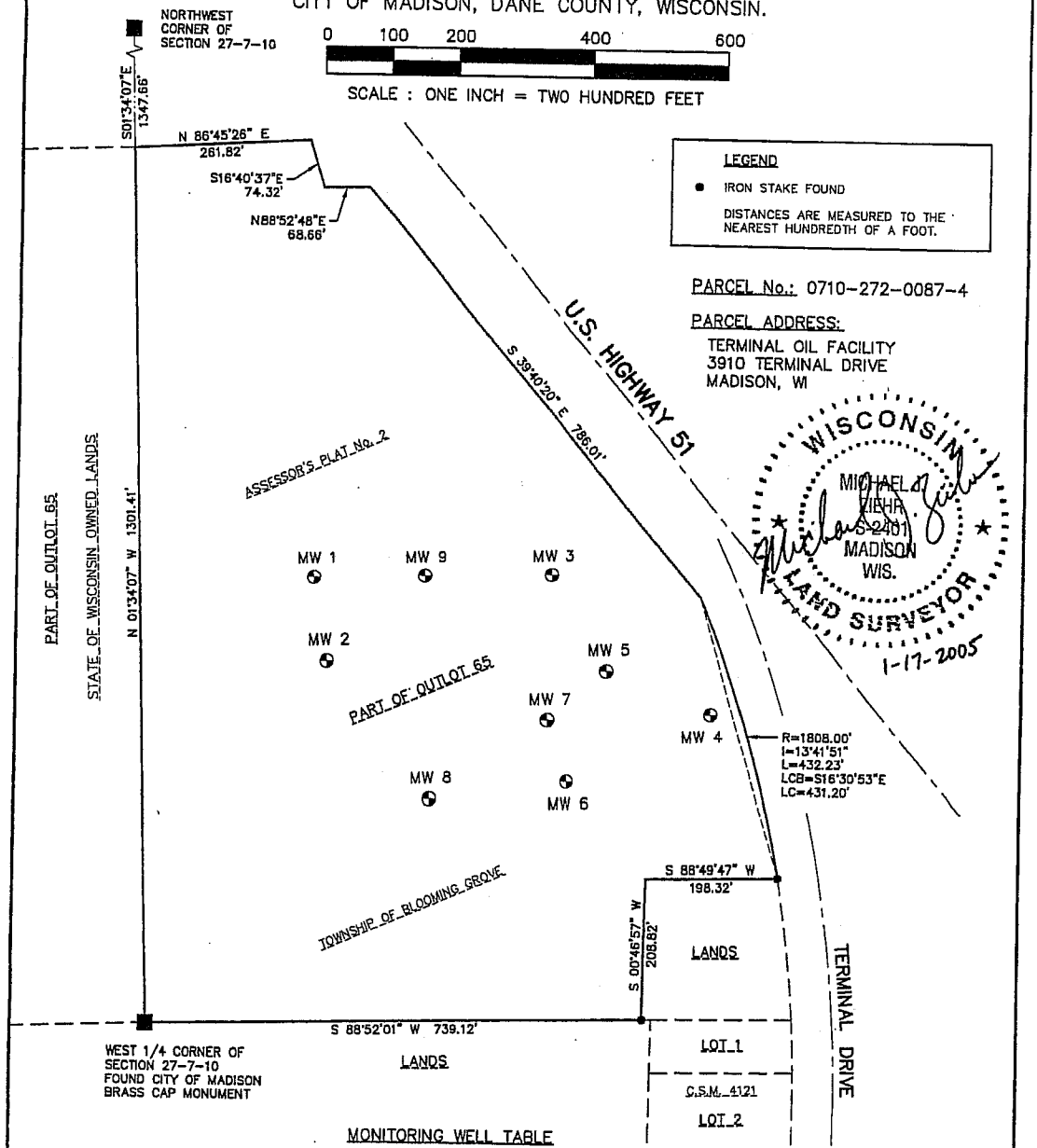
(Signatures may be authenticated or acknowledged. Both are not necessary.)
NOTE: THIS IS A STANDARD FORM. ANY MODIFICATIONS TO THIS FORM SHOULD BE CLEARLY IDENTIFIED.

© 2003 STATE BAR OF WISCONSIN

INFO-PRO™ Legal Forms 800-655-2021 www.infoproforms.com

LOCATION SURVEY

PART OF OUTLOT 65, ASSESSOR'S PLAT No. 2 TOWNSHIP OF BLOOMING GROVE, LOCATED IN THE SW 1/4 OF THE NW 1/4 OF SECTION 27, T 7 N, R 10 E, CITY OF MADISON, DANE COUNTY, WISCONSIN.



MONITORING WELL TABLE

MW 1	ELEV = 854.64
MW 2	ELEV = 856.76
MW 3	ELEV = 857.55
MW 4	ELEV = 859.25
MW 5	ELEV = 855.62
MW 6	ELEV = 856.41
MW 7	ELEV = 859.68
MW 8	ELEV = 860.65
MW 9	ELEV = 856.68

BEARINGS REFERENCED TO THE WEST LINE OF THE NW 1/4 OF SECTION 27-7-10 ASSUMED TO BEAR N 01°34'07" W.

DATE OF SURVEY: JANUARY 11, 2005

SURVEYED FOR:
KONICEK ENVIRONMENTAL CONSULTING, LLC
1032 S. SPRING STREET
PORT WASHINGTON, WI 53024

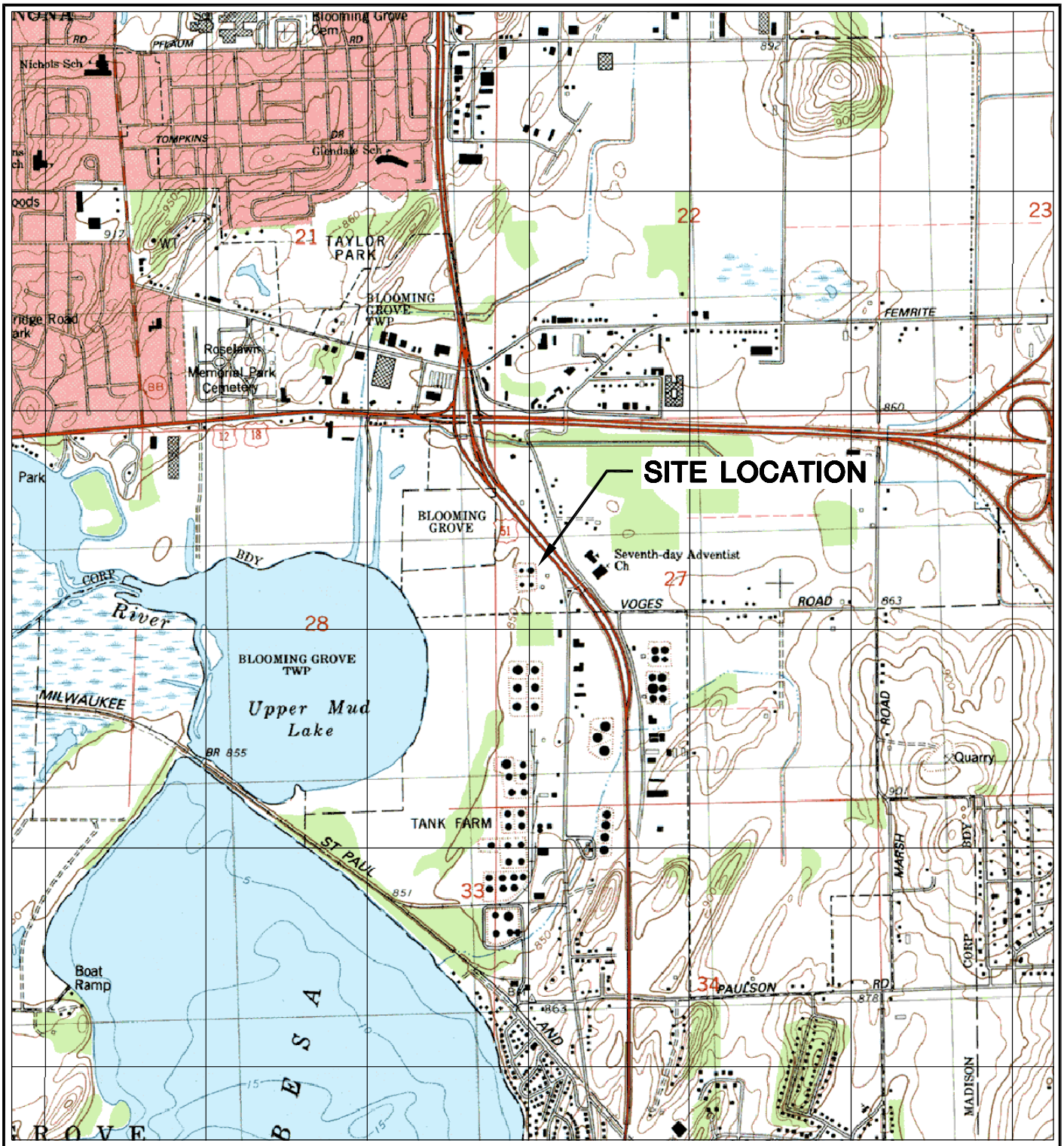
NOTE:
BENCHMARK IS DISK IN SOUTHEAST CORNER OF BRIDGE, NORTHBOUND LANE OF U.S.H. 51 OVER TAYLOR ROAD. STRUCTURE B-13-386 ELEVATION=899.53 PER D.O.T. DOSSIER SHEET

SURVEYED BY:
CALKINS ENGINEERING, LLC
5010 VOGES ROAD
MADISON, WI 53718
(608) 838-0444

\projects\KON01\survey-KON01.dwg

KON01
SHEET 1 OF 1

2005-01399



N

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

CLIENT		SITE		
TERMINAL OIL GROUP 3901 TERMINAL DRIVE MADISON, WI 53704 (608) 221–2881		TERMINAL OIL GROUP 3901 TERMINAL DRIVE MADISON, WISCONSIN		SITE LOCATION MAP
PROJECT NO.	3199	DRAWN BY:	KP	
DRAWN:	09/14/06	CHECKED BY:	RJ	
REVISED:	09/14/06	APPROVED BY:		

ENGINEER: BT² inc.
2830 DAIRY DRIVE
MADISON, WI 53718–6751
PHONE: (608) 224–2830
FAX: (608) 224–2839

FIGURE
A–2

I:\3199\Drawings-General\FIG1.dwg, 11/16/2007 3:40:36 PM

PROJECT NO.	3199	DRAWN BY:	KP	ENGINEER	BT² inc.	2830 DAIRY DRIVE MADISON, WI 53718–6751 PHONE: (608) 224–2830 FAX: (608) 224–2839	CLIENT	TERMINAL OIL GROUP 3910 TERMINAL DRIVE MADISON, WI 53704 (608) 221–2881	SITE	TERMINAL OIL GROUP 3910 TERMINAL DRIVE MADISON, WISCONSIN	SITE PLAN WITH CROSS SECTION LOCATION	FIGURE A–3
DRAWN:	09/14/06	CHECKED BY:	RJ									
REVISED:	11/15/07	APPROVED BY:										

I:\3199\Drawings-General\aerial site.dwg, 11X17, 11/16/2007 3:39:54 PM

Table C-1A
Pre Remediation Soil Analytical Results Summary - VOCs
Terminal Oil / BT^2 Project #3199
(Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	PID	Lab Notes	DRO (mg/kg)	GRO (mg/kg)	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene	Styrene	PCE	TCE	Lead (mg/kg)	Other VOCs
SS1	8/15/2006	2	>700	(1)	**29,000**	**2,600**	<2,900 QU	**13,000** QU	<2,900 QU	**52,000** QU	67,000 QU	26,000 QU	<2,900 QU	46,000 QU	NA	NA	NA	NA	NA
	08/15/06 (rerun)	--	--	(2)	NA	NA	**1,400** H	**11,000** H	1,200 H	**73,000** H	95,000 H	44,000 H	<570 H	32,000 H	<570 H	<570 H	<570 H	17	sec-Butylbenzene 15,000 H Isopropylbenzene 7,000 H p-Isopropyltoluene 11,000 H n-Propylbenzene 9,400 H
SS2	8/15/2006	1	170	(1)	**2,100**	33	<27 QU	170 QU	190 QU	730 QU	1,100 QU	350 QU	<27 QU	880 QU	NA	NA	NA	NA	NA
SS3	8/15/2006	1	>600	(1)	**16,000**	**290** E	**950** QU	**4,400** QU	**8,800** QU	**18,000** QU	14,000 QU	3,700 QU	<27 QU	7,100 QU	NA	NA	NA	NA	NA
SS4	8/15/2006	1	420	(1)	**7,300**	**120**	**170** QU	1,100 QU	**2,000** QU	**4,900** QU	4,800 QU	1,300 QU	<27 QU	2,700 QU	NA	NA	NA	NA	NA
SS5	8/16/2006	2	196	(1)	**1,900**	56	**120** QU	510 QU	910 QU	2,100 QU	2,200 QU	600 QU	<30 QU	1,300 QU	NA	NA	NA	NA	NA
SS6	8/16/2006	1	456	(1)	**17,000**	**260** E	**440** QU	**3,100** QU	**5,400** QU	**14,000** QU	13,000 QU	3,400 QU	<26 QU	7,200 QU	NA	NA	NA	NA	NA
	08/15/06 (rerun)	--	--	(2)	NA	NA	**300** H	2,700 H	**5,400** H	**15,000** H	14,000 H	3,900 H	<130 H	6,500 H	1,800 H	4,700 H	240 H	7.1	sec-Butylbenzene 630 H Isopropylbenzene 520 H p-Isopropyltoluene 640 H n-Propylbenzene 1,900 H
SS7	8/16/2006	1	325	(1)	**11,000**	**240** E	**680** QU	**3,200** QU	**6,700** QU	**14,000** QU	12,000 QU	3,300 QU	<27 QU	6,000 QU	NA	NA	NA	NA	NA
SS8	8/16/2006	1	560	(1)	**14,000**	**280** E	**710** QU	**3,700** QU	**7,600** QU	**16,000** QU	14,000 QU	3,700 QU	<27 QU	7,100 QU	NA	NA	NA	NA	NA
SS9	8/16/2006	1	567	(1)	**19,000**	**440**	**1,100** QU	**5,200** QU	**11,000** QU	**23,000** QU	19,000 QU	4,700 QU	<270 QU	9,800 QU	NA	NA	NA	NA	NA
	08/15/06 (rerun)	--	--	(2)	NA	NA	**900** H	**5,000** H	**12,000** H	**27,000** H	21,000 H	6,700 H	<130 H	10,000 H	3,500 H	9,300 H	700 H	7.2	sec-Butylbenzene 930 H Isopropylbenzene 980 H p-Isopropyltoluene 890 H n-Propylbenzene 3,200 H
SS10	8/16/2006	1	567	(1)	**20,000**	**480**	**1,200** QU	**5,500** QU	**12,000** QU	**25,000** QU	21,000 QU	5,300 QU	<270 QU	11,000 QU	NA	NA	NA	NA	NA
	08/15/06 (rerun)	--	--	(2)	NA	NA	**1,100** H	**6,000** H	**14,000** H	**31,000** H	25,000 H	7,200 H	<270 H	13,000 H	4,000 H	10,000 H	800 H	6.2	sec-Butylbenzene 1,100 H Isopropylbenzene 1,200 H p-Isopropyltoluene 1,100 H n-Propylbenzene 3,900 H
SS11	8/16/2006	1	280	(1)	**19,000**	**360**	**1,100** QU	**4,100** QU	**9,600** QU	**19,000** QU	15,000 QU	3,900 QU	<270 QU	7,800 QU	NA	NA	NA	NA	NA
	08/15/06 (rerun)	--	--	(2)	NA	NA	**920** H	**4,300** H	**11,000** H	**23,000** H	19,000 H	5,400 H	<130 H	9,400 H	3,000 H	8,300 H	710 H	9.4	sec-Butylbenzene 890 H Isopropylbenzene 860 H p-Isopropyltoluene 820 H n-Propylbenzene 2,900 H
SS12	8/16/2006	1	125	(1)	**990**	15	<27 QU	130 QU	210 QU	520 QU	510 QU	150 QU	<27 QU	350 QU	NA	NA	NA	NA	NA
SS13	8/16/2006	0.5	296	(1)	**1,600**	27	**50** QU	220 QU	390 QU	880 QU	980 QU	260 QU	<28 QU	770 QU	NA	NA	NA	NA	NA
SS14	8/16/2006	0.5	580	(1)	**6,200**	**120**	**210** QU	640 QU	1,100 QU	**6,500** QU	5,000 QU	1,900 QU	<27 QU	1,500 QU	NA	NA	NA	NA	NA

Table C-1A
Pre Remediation Soil Analytical Results Summary - VOCs
Terminal Oil / BT^2 Project #3199
(Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	PID	Lab Notes	DRO (mg/kg)	GRO (mg/kg)	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene	Styrene	PCE	TCE	Lead (mg/kg)	Other VOCs
SB1	10/5/2006	0-2	145		**13,000**	**320** QU	**930**	**3,800**	**10,000**	**19,000**	15,000	4,100	<140	7,000	2,500	7,100	670	NA	sec-Butylbenzene 680 Isopropylbenzene 660 p-Isopropyltoluene 590 n-Propylbenzene 2,300
SB2	10/5/2006	6-8	228	--	**9,300**	**170** QU	**480**	1,900	**5,100**	**9,500**	7,700	2,100	<59	3,700	1,200	3,700	300	NA	sec-Butylbenzene 320 Isopropylbenzene 310 p-Isopropyltoluene 310 n-Propylbenzene 1,100
	10/5/2006	11-12	48	--	85	<5.9	<29	37	150	160	110	<29	<29	85	<29	59	<29	NA	ND
SB3	10/5/2006	4-6	26	--	<4.6	<5.9	<29	<29	<29	<100	<29	<29	<29	<59	<29	<29	<29	NA	ND
SB4	10/5/2006	2-4	4	--	23	<5.7	<28	<28	<28	<96	<28	<28	<28	<57	<28	<28	<28	NA	ND
	10/5/2006	10-12	40	--	<4.7	<5.9	**320**	150	<29	380	150	29	**56**	<59	<29	<29	<29	NA	ND
SB5	10/5/2006	1-2	0	--	<4.7	<6.0	<30	<30	<30	<100	<30	<30	<30	<60	<30	<30	<30	NA	ND
SB6	10/5/2006	2-4	1	--	<4.6	<5.9	<29	<29	<29	<100	<29	<29	<29	<59	<29	<29	<29	NA	ND
SB7	10/5/2006	1-2	0	--	5.3	<5.7	<29	<29	<29	<98	<29	<29	<29	<59	<29	<29	<29	NA	ND
	10/5/2006	4-6	0	--	<5.0	<6.2	<31	<31	<31	<110	<31	<31	<31	<62	<31	<31	<31	NA	ND
SB8	10/5/2006	2-4	0	--	<4.5	<6.0	<30	<30	<30	<100	<30	<30	<30	<60	<30	<30	<30	NA	ND
SB9	10/5/2006	1-2	0	--	<4.0	<5.2	<26	<26	<26	<88	<26	<26	<26	<52	<26	<26	<26	NA	ND
	10/5/2006	4-6	0	--	<4.8	<6.1	<31	<31	<31	<100	<31	<31	<31	<61	<31	<31	<31	NA	ND
SB10	10/5/2006	2-4	0	--	<4.6	<6.0	<30	<30	<30	<100	<30	<30	<30	<60	<30	<30	<30	NA	ND
SB11	10/5/2006	4-6	13	--	<4.7	<5.8	<29	<29	<29	<99	<29	<29	<29	<58	<29	<29	<29	NA	ND
	10/5/2006	8-10	267	--	**8,300**	**2,800**	**3,400**	**48,000**	**2,200**	**140,000**	81,000	**25,000**	<590	24,000	<590	<590	<590	NA	sec-Butylbenzene 12,000 Isopropylbenzene 9,100 p-Isopropyltoluene 6,400 n-Propylbenzene 19,000
SB12	10/5/2006	0-2	5	--	<4.2	<5.3	<27	<27	<27	<90	<27	<27	<27	<53	<27	<27	<27	NA	ND
SB13	10/6/2006	1-2	278	--	**17,000**	NA	**650**	**3,800**	**8,600**	**19,000**	15,000	4,500	<31	7,800	2,300	6,500	470	NA	sec-Butylbenzene 740 Isopropylbenzene 680 p-Isopropyltoluene 530 n-Propylbenzene 2,400
	10/6/2006	14-16	0	--	<4.3	<6.0	<30	<30	<30	<100	<30	<30	<30	<60	<30	<30	<30	NA	ND
SB14	10/6/2006	2-4	2	--	<6.1	<6.1	<31	<31	<31	<100	<31	<31	<31	<61	<31	<31	<31	NA	ND
SB15	10/6/2006	2-4	5	--	<4.8	<6.2	<31	<31	<31	<100	<31	<31	<31	<62	<31	<31	<31	NA	ND

Table C-1A
Pre Remediation Soil Analytical Results Summary - VOCs
Terminal Oil / BT^2 Project #3199
(Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	PID	Lab Notes	DRO (mg/kg)	GRO (mg/kg)	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene	Styrene	PCE	TCE	Lead (mg/kg)	Other VOCs
Methanol Blank	10/5/2006	--		--	NA	NA	<25	<25	<25	<85	<25	<25	<25	<50	<25	<25	<25	NA	ND
NR 720 Residual Contaminant Level (RCL)					100	100	5.5	2,900	1,500	4,100	NE	NE	NE	NE	NE	NE	NE	50	
NR 746 Table 1					NE	NE	8,500	4,600	38,000	42,000	83,000	11,000	NE	2,700	NE	NE	NE	NE	
NR 746 Table 2					NE	NE	1,100	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	

ABBREVIATIONS:
µg/kg = micrograms per kilogram or parts per billion (ppb)
DRO = Diesel Range Organics
mg/kg - milligrams per kilogram or parts per million (ppm)
GRO = Gasoline Range Organics
MTBE = Methyl-tert-butyl ether
PID = Photo-Ionization Detector
NA = Not Analyzed
-- = Not Applicable
NE = Not Established

NOTES:
Bold+underlined values exceed NR 720 RCLs.
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/QUALIFIERS:
(1) *Surr: 4-Bromofluorobenzene* - Unquantitated hydrocarbons present in the sample outside of the reported carbon range.
(2) VOCs - Sample analysis performed past method-specified holding time.
(3) *Surr: Toluene-d8 (91-106%)* - Surrogate recovery was below acceptance limits.
E - Concentration exceeds the calibration range and therefore result is semi-quantitative.
H = Sample analysis performed past method-specified holding time.
QU - Unquantitated hydrocarbons present in the sample outside of the reported carbon range.

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Last revision by: LMH Date: 10/26/2006
Checked by: Date:

Table C-1B
Pre Remediation Soil Analytical Results Summary - PAHs
Terminal Oil / BT^2 Project #3199
(Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	PID	Lab Notes	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo(a) anthracene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Benzo(a) pyrene	Benzo(ghi) perylene	Chrysene	Dibenzo(a,h) anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd) pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	Phenanthrene	Pyrene
SS1	8/15/2006	2	>700	(1)	2,900	<970	5,800	1,600	710	110	490	240	4,800	<86	59,000	14,000	220	66,000	100,000	28,000	31,000	36,000
SS3	8/15/2006	1	>600	(1)	<1,100	<1,900	310	1,100	<110	170	230	210	410	<160	2,900	1,100	<110	9,400	16,000	6,800	1,900	1,400
SS5	8/16/2006	2	196	--	<590	<1,000	110	150	<59	<59	<59	<59	68	<89	590	150	<59	1,300	2,300	870	290	490
SB1	10/5/2006	0-2	145	(1)	<1,100	<1,900	650	1,300	<110	<110	120	180	780	<160	4,600	1,100	<110	9,400	16,000	6,700	1,900	1,100
SB2	10/5/2006	6-8	228	(1)	<1,500	<2,500	560	1,200	<150	<150	150	190	750	<220	2,100	900	<150	7,800	14,000	5,400	1,600	560
	10/5/2006	11-12	48	--	<2,500	<4,300	940	2,000	<250	<250	320	270	620	<380	3,300	1,600	<250	14,000	24,000	9,500	2,800	1,700
SB4	10/5/2006	2-4	4	--	<57	<96	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<8.5	13	<11	<5.7	<34	<28	<34	16	7.1
SB7	10/5/2006	1-2	0	--	<72	<120	<7.2	15	9.7	<7.2	10	7.4	11	<11	26	<14	7.4	<43	<36	<43	11	28
SB11	10/5/2006	8-10	267	(1)	1,000	<1,300	3,000	4,600	<74	<74	<74	<74	1,600	<110	17,000	5,700	<74	20,000	39,000	19,000	8,700	16,000
SB13	10/6/2006	1-2	278	(1)	<1,100	<1,900	900	1,500	<110	<110	290	250	530	<170	3,100	1,300	<110	11,000	19,000	8,000	2,300	740
WDNR PAH Soil Generic Residual Contaminant Levels (RCLs) (Interim Guidance - April 1997)																						
Groundwater Pathway					38,000	700	3,000,000	17,000	360,000	870,000	48,000	6,800,000	37,000	38,000	500,000	100,000	680,000	23,000	20,000	400	1,800	8,700,000
Non-Industrial Direct Contact					900,000	18,000	5,000,000	88	88	880	8.8	1,800	8,800	8.8	600,000	600,000	88	1,100,000	600,000	20,000	18,000	500,000
Industrial Direct Contact					60,000,000	360,000	300,000,000	3,900	3,900	39,000	390	39,000	390,000	390	40,000,000	40,000,000	3,900	70,000,000	40,000,000	110,000	390,000	30,000,000

ABBREVIATIONS:
µg/kg = micrograms per kilogram or parts per billion (ppb)
PAHs = Polynuclear Aromatic Hydrocarbons
-- = Not Applicable
WDNR = Wisconsin Department of Natural Resources

LABORATORY NOTES/QUALIFIERS:
(1) *Surr: 2-Fluorobiphenyl* - The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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I:\3199\Closure\Tables\[C-1B Pre Remediation Soil - PAHs.xls]Soil PAHs

Table D-1A
Post Excavation Soil Analytical Results Summary - VOCs
Terminal Oil Group Spill Response / BT^2 Project #3199
(Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	Lab Notes	DRO (mg/kg)	GRO (mg/kg)	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naph-thalene	Tetra-chloroethene	Trichloro-ethene	Other VOCs
ES-1	05/10/07	2	--	**9,900**	**2,900**	<720	**14,000**	<720	**78,000**	84,000	31,000	<720	**33,000**	<720	<720	sec-Butylbenzene 3,400 Isopropylbenzene 2,400 p-Isopropyltoluene 2,200 n-Propylbenzene 4,500 1,2,3-Trichloropropane 1,800
ES-2	05/10/07	2	--	**8,600**	**4,400**	<2,800	**27,000**	**11,000**	**380,000**	250,000	92,000	<2,800	**50,000**	<2,800	<2,800	sec-Butylbenzene 4,800 Isopropylbenzene 3,900 n-Propylbenzene 12,000
CS1	05/17/07	3	(2)	33	NA	<31	<31	<31	<100	<31	<31	<31	<62	<31	<31	ND
CS2	05/17/07	2.5	(5)	5.1	NA	<31	<31	<31	<110	<31	<31	<31	<62	<31	<31	ND
CS3	05/17/07	3	(5)	5.6	NA	<31	<31	<31	<110	55	<31	<31	<62	<31	<31	ND
CS4	05/17/07	2.5	(5)	96	NA	<31	<31	<31	<100	46	<31	<31	<61	<31	<31	ND
CS5	05/17/07	3	(5)	33	NA	<32	<32	33	<110	52	<32	<32	<64	<32	<32	ND
CS6	05/18/07	3	(1)	11	NA	<31	<31	<31	<110	<31	<31	<31	<63	<31	<31	ND
CS7	05/18/07	4	(1)	**3,200**	NA	<29	210	140	1,100	1,500	590	<29	700	1,200	<29	sec-Butylbenzene 100 Isopropylbenzene 51 p-Isopropyltoluene 99 n-Propylbenzene 170
CS8	05/18/07	3.5	(2)	**150**	NA	<31	400	450	1,700	1,900	600	<31	940	910	33	sec-Butylbenzene 100 Isopropylbenzene 71 p-Isopropyltoluene 89 n-Propylbenzene 260
CS9	05/18/07	3.5	(2)	**140**	NA	<31	<31	<31	<110	<31	<31	<31	<63	<31	<31	ND
CS10	05/18/07	3.5	(2)	**590**	NA	<29	31	40	250	490	210	<29	380	490	<29	sec-Butylbenzene 36 p-Isopropyltoluene 50 n-Propylbenzene 53
CS11	05/18/07	3	(3)	**1,800**	NA	<32	82	130	420	540	140	<32	360	180	<32	n-Propylbenzene 67 Styrene 41
CS12	05/21/07	3.5	--	**3,000**	<5.7	<29	<29	<29	<97	<29	<29	<29	<57	100	<29	ND
CS13	05/21/07	4	(4)	<5.0	<6.0	<30	<30	<30	<100	<30	<30	<30	<60	<30	<30	ND
FS1	05/17/07	5	(5)	<4.4	NA	<29	<29	<29	<98	<29	<29	<29	<58	<29	<29	ND

Table D-1A
Post Excavation Soil Analytical Results Summary - VOCs
Terminal Oil Group Spill Response / BT^2 Project #3199
(Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	Lab Notes	DRO (mg/kg)	GRO (mg/kg)	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naph-thalene	Tetra-chloroethene	Trichloro-ethene	Other VOCs	
FS2	05/17/07	5	(5)	**5,100**	NA	**32**	160	330	750	690	160	<29	390	240	<29	sec-Butylbenzene	34
																Isopropylbenzene	33
																p-Isopropyltoluene	33
																n-Propylbenzene	110
																Styrene	92
FS3	05/17/07	6	(5)	7.4	NA	**37**	<29	46	<100	33	<29	<29	<59	<29	<29	ND	
FS4	05/18/07	6	(1)	<4.4	NA	<29	<29	34	<99	<29	<29	<29	<58	<29	<29	ND	
FS5	05/18/07	6	(2)	10	NA	<29	<29	<29	<98	<29	<29	<29	<58	<29	<29	ND	
FS6	05/18/07	6	(1)	21	NA	<30	<30	34	<100	<30	<30	<30	<60	<30	<30	ND	
FS7	05/18/07	6.5	(1)	<4.3	NA	<29	<29	<29	<100	<29	<29	<29	<59	<29	<29	ND	
FS8A	05/21/07	1.4	--	**630**	10	<27	<27	<27	<92	<27	<27	<27	<54	210	<27	ND	
FS8B	05/21/07	1.8	(4)	**190**	37 QU	**58**	300	<28	950	1,000	290	<28	390	65	<28	sec-Butylbenzene	76
																Isopropylbenzene	61
																p-Isopropyltoluene	63
																n-Propylbenzene	160
LS1 (excavated)	05/17/07	--	(2)	**20,000**	NA	**4,600**	**19,000**	**47,000**	**84,000**	61,000	20,000	<570	**32,000**	33,000	3,300	sec-Butylbenzene	3,900
																Isopropylbenzene	3,100
																p-Isopropyltoluene	2,600
																n-Propylbenzene	10,000
																Styrene	10,000
LS2 (excavated)	05/17/07	--	(5)	**25,000**	NA	**1,100**	**4,000**	**11,000**	**19,000**	14,000	3,000	<57	**7,200**	7,300	710	sec-Butylbenzene	860
																Isopropylbenzene	700
																p-Isopropyltoluene	620
																n-Propylbenzene	2,400
																Styrene	2,500
LS3 (excavated)	05/18/07	--	(3)	31	NA	<30	130	<30	430	2,400	780	<30	200	<30	<30	sec-Butylbenzene	93
																Isopropylbenzene	98
																p-Isopropyltoluene	41
																n-Propylbenzene	380
MeOH Blank	05/17/07	--	(5)	NA	NA	<25	<25	<25	<85	<25	<25	<25	<50	<25	<25	ND	
	05/18/07	--	--	NA	NA	<25	<25	<25	<85	<25	<25	<25	<50	<25	<25	ND	

Table D-1A
Post Excavation Soil Analytical Results Summary - VOCs
Terminal Oil Group Spill Response / BT^2 Project #3199
(Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	Lab Notes	DRO (mg/kg)	GRO (mg/kg)	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naph-thalene	Tetra-chloroethene	Trichloro-ethene	Other VOCs
NR 720 Residual Contaminant Level (RCL)				100	100	5.5	2,900	1,500	4,100	NE	NE	NE	NE	NE	NE	
NR 746 Table 1				NE	NE	8,500	4,600	38,000	42,000	83,000	11,000	NE	2,700	NE	NE	
NR 746 Table 2				NE	NE	1,100	NE	NE	NE	NE	NE	NE	NE	NE	NE	

ABBREVIATIONS:
µg/kg = micrograms per kilogram or parts per billion (ppb)
DRO = Diesel Range Organics
MTBE = Methyl-tert-butyl ether
NA = Not Analyzed
-- = Not Applicable
mg/kg - milligrams per kilogram or parts per million (ppm)
GRO = Gasoline Range Organics
VOCs = Volatile Organic Compounds
ND = Not Detected
PID = Photo-Ionization Detector
TMB = Trimethylbenzene
NE = Not Established
(Dup) = Duplicate

NOTES:
Bold+underlined values exceed NR 720 RCLs.
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/QUALIFIERS:
QU = Unquantitated hydrocarbons present in the sample outside of the reported carbon range.
(1) Dichlorodifluoromethane - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits; Surr: Toluene-d8 - Surrogate recovery was outside control limits.
(2) Dichlorodifluoromethane - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
(3) 1,2,4 Trichlorobenzene - The RPD exceeded the acceptance limit.
(4) Surr: Toluene-d8 - Surrogate recovery was outside control limits.
(5) Chloroethane - Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits. The RPD exceeded the acceptance limit. Chloromethane - The RPD exceeded the acceptance limit. Dichlorodifluoromethane - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits. 2,2 Dichloropropane - Calibration Verification recovery was outside the method control limits for this analyte. The LCS for this analyte met CCV acceptance criteria, and was used to validate the batch. 1,2,4 Trichlorobenzene - The RPD exceeded the acceptance limit. Surr: Toluene-d8 - Surrogate recovery was outside control limits.

Table D-1B
Post Excavation Soil Analytical Results Summary - PAHs
Terminal Oil Group Spill Reponse / BT^2 Project #3199
(Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	Lab Notes	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo(a) anthracene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Benzo(a) pyrene	Benzo(ghi) perylene	Chrysene	Dibenzo(a,h) anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd) pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	Phenanthrene	Pyrene
ES1	5/10/2007	2	--	<1,100	<2,000	1,500	3,600	110	<110	<110	<110	550	<170	9,700	3,700	<110	28,000	51,100	18,000	6,700	26,000
ES2	5/10/2007	2	--	1,500	3,000	3,100	13,000	490	110	<110	<110	1,900	<170	22,000	6,700	<110	40,000	70,000	41,000	11,000	64,000
CS1	05/17/07	3	--	<62	<100	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<9.2	<12	<12	<6.2	<37	<31	<37	<6.2	<6.2
CS4	05/17/07	2.5	--	<120	<210	12	<12	<12	<12	<12	<12	<12	<18	41	<25	<12	81	120	<74	20	67
CS7	5/18/2007	4	(1)(2)	<720 H4	<1,200 H4	110 H4	280 H4	<72 H4	<72 H4	<72 H4	<72 H4	<72 H4	<110 H4	670 H4	<140 H4	<72 H4	<430 H4	<360 H4	<430 H4	230 H4	270 H4
CS9	05/18/07	3.5	--	<63	<110	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<9.4	<13	<13	<6.3	<38	<31	<38	<6.3	<6.3
CS11	5/18/2007	3	(1)(2)	<130 H4	<220 H4	50 H4	<13 H4	<13 H4	<13 H4	<13 H4	<13 H4	<13 H4	<19 H4	<26 H4	38 H4	<13 H4	210 H4	210 H4	<77 H4	83 H4	<13 H4
FS2	5/17/2007	5	(2)	<860 H4	<1,500 H4	470 H4	370 H4	92 H4	120 H4	<86 H4	<86 H4	<86 H4	<130 H4	1,700 H4	580 H4	<86 H4	5,300 H4	9,900 H4	3,200 H4	980 H4	3,300 H4
FS5	05/18/07	5	--	<120	<200	20	<12	<12	<12	<12	<12	<12	<17	64	<23	<12	150	260	82	40	100
FS7	05/18/07	6.5	--	<59	<100	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<8.8	<12	<12	<5.9	<35	<29	<35	<5.9	<5.9
LS3	05/18/07	--	--	<140	<230	110	<14	<14	<14	<14	<14	<14	<21	360	190	<14	3,500	7,800	840	410	380
WDNR PAH Soil Generic Residual Contaminant Levels (RCLs) (Interim Guidance - April 1997)																					
Groundwater Pathway				38,000	700	3,000,000	17,000	360,000	870,000	48,000	6,800,000	37,000	38,000	500,000	100,000	680,000	23,000	20,000	400	1,800	8,700,000
Non-Industrial Direct Contact				900,000	18,000	5,000,000	88	88	880	8.8	1,800	8,800	8.8	600,000	600,000	88	1,100,000	600,000	20,000	18,000	500,000
Industrial Direct Contact				60,000,000	360,000	300,000,000	3,900	3,900	39,000	390	39,000	390,000	390	40,000,000	40,000,000	3,900	70,000,000	40,000,000	110,000	390,000	30,000,000

ABBREVIATIONS:
µg/kg = micrograms per kilogram or parts per billion (ppb)
PAHs = Polynuclear Aromatic Hydrocarbons
-- = Not Applicable
WDNR = Wisconsin Department of Natural Resources

LABORATORY NOTES/QUALIFIERS:
H4 - Sample was extracted past holding time, but analyzed within analysis holding time.
(1) *Surr: 2-Fluorobiphenyl* - The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
(2) *Surr: 2-Fluorobiphenyl* - Sample was extracted past holding time, but analyzed within analysis holding time.

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Table E-1A
Groundwater Analytical Results Summary - VOCs
Terminal Oil / BT^2 Project #3199
(Results are in µg/l)

Sample	Date	Lab Notes	DRO	GRO	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Lead	Other VOCs	
MW1	5/10/1999	--	NA	NA	**1,400**	*280*	19	*2,000*	*462*	**200**	NA	Di-isopropyl ether	56
												Isopropylbenzene	31
												Naphthalene	*98*
												n-Propylbenzene	70
	5/10/1999 Dup	(1)	NA	NA	**1,400**	*270*	18	*1,900*	*449*	**190**	NA	Di-isopropyl ether	54
												Isopropylbenzene	30
												Methylene Chloride	**15**
												Naphthalene	*98*
												n-Propylbenzene	66
	9/20/1999	--	NA	NA	**1,000**	36	15	*1,100*	*201*	*47*	NA	Naphthalene	*56*
	10/5/2006	--	NA	NA	**1,800**	58	31	630	*259* J	<16	NA	Chlorobenzene	7.4 J
												Isopropyl Ether	95
												Isopropylbenzene	23
												Naphthalene	*68*
												n-Propylbenzene	49 J
	10/5/2006 Dup	--	NA	NA	**1,500**	50 J	27	520	*217* J	<16	NA	Chlorobenzene	6.7 J
												Isopropyl Ether	86
												Isopropylbenzene	20 J
												Naphthalene	*59*
												n-Propylbenzene	42 J
	11/2/2007	--	NA	NA	**4,400**	*630*	64	*3,000*	**731**	**83**	NA	n-Butylbenzene	11 J
												Isopropylbenzene	51
												Naphthalene	**160**
												n-Propylbenzene	100
MW3	5/10/1999	--	NA	NA	<0.10	<0.25	0.63	<0.25	<0.20	<0.25	NA	ND	
	9/20/1999	--	NA	NA	<0.13	<0.22	<0.20	<0.23	<0.51	<0.16	NA	ND	
	8/16/2006	--	290	<50	<0.25	<0.22	<0.11	<0.39	<0.44	<0.23	NA	ND	
	10/5/2006	--	NA	NA	<0.20	<0.50	<0.20	<0.50	<0.40	<0.50	NA	ND	

Table E-1A
Groundwater Analytical Results Summary - VOCs
Terminal Oil / BT^2 Project #3199
(Results are in µg/l)

Sample	Date	Lab Notes	DRO	GRO	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Lead	Other VOCs	
MW3 (cont.)	6/28/2007	--	NA	NA	*4.4*	4.0	12	11	6.8	<0.50	NA	cis-1,2-Dichloroethene	3.1
												Isopropylbenzene	0.33 J
												Naphthalene	4.3
												n-Propylbenzene	0.72 J
												Styrene	1.6
												Tetrachloroethene	**5.7**
												Trichloroethene	*1.0*
	8/29/2007	(3)	NA	NA	**17**	13	38	39	29.6	2.6	NA	sec-Butylbenzene	0.31 J
												cis-1,2-Dichloroethene	20
												Isopropylbenzene	1.4
												p-Isopropyltoluene	0.21 J
												Methylene Chloride	*1.9* J
												Naphthalene	*21*
												n-Propylbenzene	3.0
												Styrene	4.4
												Tetrachloroethene	**19**
												Trichloroethene	*3.5*
	11/2/2007	--	NA	NA	0.45 J	<0.50	0.68	<0.50	0.24 J	<0.50	NA	ND	
MW5	5/10/1999	--	NA	NA	**260**	*540*	*800*	*2,400*	**770**	**280**	NA	sec-Butylbenzene	28
												Isopropylbenzene	61
												p-Isopropyltoluene	9.4
												Naphthalene	**180**
												n-Propylbenzene	100
	9/20/1999	--	NA	NA	**110**	100	<2.0	140	*148*	**220**	NA	Naphthalene	*56*
	8/16/2006	--	9,900	2,800	**300**	75	1.4	150	*266*	*30*	NA	Naphthalene	*51*
	10/5/2006	--	NA	NA	**200**	50	<0.80	61	*107*	*17*	NA	sec-Butylbenzene	7.0
												Isopropylbenzene	12
												p-Isopropyltoluene	4.2
												Naphthalene	*24*
												n-Propylbenzene	13

Table E-1A
Groundwater Analytical Results Summary - VOCs
Terminal Oil / BT^2 Project #3199
(Results are in µg/l)

Sample	Date	Lab Notes	DRO	GRO	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Lead	Other VOCs	
MW5 (cont.)	6/28/2007	--	NA	NA	**100**	63	1.3 J	92	*208*	*24*	NA	n-Butylbenzene	14
												sec-Butylbenzene	16
												Isopropylbenzene	23
												p-Isopropyltoluene	8.9
												Naphthalene	*32*
												n-Propylbenzene	25
	6/28/2007 (Dup)	--	NA	NA	**110**	72	1.4 J	100	*236*	*24*	NA	n-Butylbenzene	17
												sec-Butylbenzene	20
												Isopropylbenzene	27
												p-Isopropyltoluene	10
												Naphthalene	*35*
												n-Propylbenzene	29
	8/29/2007	--	NA	NA	**7.8**	11	<0.20	12	60	3.2	NA	sec-Butylbenzene	6.8
												Isopropylbenzene	6.8
												p-Isopropyltoluene	3.5
												Naphthalene	7.5
												n-Propylbenzene	7.5
												Tetrachloroethene	*0.52* J
MW6	5/10/1999	--	NA	NA	<0.10	<0.25	<0.10	<0.25	<0.20	<0.25	NA	ND	
	9/20/1999	--	NA	NA	<0.13	<0.22	<0.20	<0.23	<0.51	<0.16	NA	ND	
	10/5/2006	--	NA	NA	<0.20	<0.50	<0.20	<0.50	<0.40	<0.50	NA	ND	
MW7	6/30/1999	--	NA	NA	**4,700**	**7,200**	**26,000**	**41,000**	**36,800**	<100	NA	sec-Butylbenzene	640
												Isopropylbenzene	910
												p-Isopropyltoluene	432
												Naphthalene	**9,400**
												n-Propylbenzene	3,700
	9/20/1999	(2)	NA	NA	**1,600**	**1,000**	**6,000**	*5,100*	**2,570**	<32	NA	Naphthalene	**1,300**

Table E-1A
Groundwater Analytical Results Summary - VOCs
Terminal Oil / BT^2 Project #3199
(Results are in µg/l)

Sample	Date	Lab Notes	DRO	GRO	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Lead	Other VOCs	
MW7 (cont.)	10/5/2006	--	NA	NA	**2,100**	**1,500**	**9,700**	*9,200*	**2,220**	<50	NA	Isopropylbenzene	62 J
												p-Isopropyltoluene	22 J
												Naphthalene	**640**
												n-Propylbenzene	150 J
	6/28/2007	--	NA	NA	**3,200**	**1,700**	**13,000**	*9,700*	**2,060**	<100	NA	Isopropylbenzene	110 J
												Naphthalene	**550**
												n-Propylbenzene	150 J
	8/29/2007	--	NA	NA	**820**	**1,000**	**3,800**	*5,500*	**1,510**	<50	NA	Isopropylbenzene	53 J
												Naphthalene	**320**
												n-Propylbenzene	110 J
	8/29/2007 (Dup)	--	NA	NA	**740**	**920**	**3,900**	*4,400*	**1,390**	<5.0	NA	sec-Butylbenzene	8.7
												1,4-Dichlorobenzene	2.2 J
												Isopropylbenzene	48
												p-Isopropyltoluene	14
												Naphthalene	**300**
												n-Propylbenzene	100
MW9	5/10/1999	--	NA	NA	**750**	*380*	39	730	*200*	**190**	NA	Isopropylbenzene	14
												Naphthalene	*63*
												n-Propylbenzene	32
	9/20/1999	--	NA	NA	**470**	*270*	26	500	*190*	**190**	NA	Naphthalene	*59*
	11/2/2007	--	NA	NA	**280**	60	4.4	200	75	8.0 J		n-Butylbenzene	2.2 J
												sec-Butylbenzene	2.2 J
												Isopropylbenzene	9.2
												p-Isopropyltoluene	1.2 J
												Naphthalene	**27**
												n-Propylbenzene	15
												1,2,4-Trichlorobenzene	1.6 J
PZ1	11/2/2007	--	NA	NA	<0.20	<0.50	<0.20	<0.50	<0.40	<0.50	NA	ND	
TW1	6/30/1999	(4)	NA	NA	0.26	0.22	0.32	2.1	<0.51	<0.16	NA	NA	
	9/20/1999	--	NA	NA	<0.13	<0.22	<0.22	1.7	<0.51	<0.16	NA	ND	

Table E-1A
Groundwater Analytical Results Summary - VOCs
Terminal Oil / BT^2 Project #3199
(Results are in µg/l)

Sample	Date	Lab Notes	DRO	GRO	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Lead	Other VOCs	
TW1 (cont.)	11/2/2007	--	NA	NA	<0.20	<0.50	<0.20	<0.50	<0.40	<0.50	NA	ND	
TW2	6/30/1999	--	NA	NA	<0.13	<0.22	<0.20	<0.23	<0.51	<0.16	NA	NA	
	9/20/1999	--	NA	NA	<0.13	<0.22	<0.20	<0.23	<0.51	<0.16	NA	ND	
	11/2/2007	--	NA	NA	<0.20	<0.50	<0.20	<0.50	<0.40	<0.50	NA	ND	
SB1	10/5/2006	--	NA	NA	**55**	23	140	69	19.1 J	*52*	NA	Methylene Chloride	**24** S2,J
												Naphthalene	*16*
												Styrene	5.9 J
												Tetrachloroethene	**12** J
												Trichloroethene	**20**
SB3	10/5/2006	--	NA	NA	**810**	480	49	*1,200*	337	<5.0	NA	sec-Butylbenzene	4.9 J
												Isopropylbenzene	24
												p-Isopropyltoluene	3.5 J
												Naphthalene	**230**
												n-Propylbenzene	35
SB5	10/5/2006	--	NA	NA	**42**	16	110	76	17.2	9.5	NA	Chloroform	**6.0**
												Isopropylbenzene	0.87
												Methylene Chloride	**8.6**
												Naphthalene	0.55 J
												n-Propylbenzene	1.6 J
												Tetrachloroethene	**21**
												Trichloroethene	**14**
												Trichlorofluoromethane	0.83 J
SB6	10/5/2006	--	NA	NA	*0.56* J	<0.50	0.31 J	<0.50	<0.40	<0.50	NA	Chloromethane	*0.53* J
SB8	10/5/2006	--	NA	NA	<0.20	<0.50	0.26 J	<0.50	<0.40	<0.50	NA	Chloromethane	*0.54* J
SB10	10/5/2006	--	NA	NA	<0.20	<0.50	0.69	0.79 J	<0.40	<0.50	NA	ND	
SB12	10/5/2006	--	NA	NA	**840**	**2,100**	**3,200**	*9,300*	**1,740**	<5.0	NA	Isopropylbenzene	87
												p-Isopropyltoluene	12
												Naphthalene	**460**
												n-Propylbenzene	210

Table E-1A
Groundwater Analytical Results Summary - VOCs
Terminal Oil / BT^2 Project #3199
(Results are in µg/l)

Sample	Date	Lab Notes	DRO	GRO	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Lead	Other VOCs	
Field Blank	10/5/2006	--	NA	NA	<0.20	<0.50	0.33 J	<0.50	<0.40	<0.50	NA	Trichloroethene	0.24 J
Rinsate Blank	6/28/2007	--	NA	NA	<0.20	<0.50	0.40 J	<0.50	<0.40	<0.50	NA	Naphthalene	0.38 J
Trip Blank	8/16/2006	--	NA	<50	<0.25	<0.22	<0.11	<0.39	<0.44	<0.23	NA	ND	
	10/5/2006	--	NA	NA	<0.20	<0.50	<0.20	<0.50	<0.40	<0.50	NA	ND	
	6/28/2007	--	NA	NA	<0.20	<0.50	0.39 J	<0.50	<0.40	<0.50	NA	ND	
	8/29/2007	(3)	NA	NA	<0.20	<0.50	<0.20	<0.50	<0.40	<0.50	NA	Trichloroethene	0.22 J
	11/2/2007	--	NA	NA	<0.20	<0.50	<0.20	<0.50	<0.40	<0.50	NA	ND	
NR 140 Enforcement Standards (ES)			NE	NE	**5**	**700**	**1,000**	**10,000**	**480**	**60**	**15**	Naphthalene	100
												Chloroform	6
												Chloromethane	3
												Methylene chloride	5
												Styrene	100
												Tetrachlorothene	5
												Trichloroethene	5
NR 140 Preventive Action Limits (PAL)			NE	NE	0.5	140	200	1,000	96	12	1.5	Naphthalene	10
												Chloroform	0.6
												Chloromethane	0.3
												Methylene chloride	0.5
												Styrene	10
												Tetrachlorothene	0.5
												Trichloroethene	0.5

ABBREVIATIONS:

µg/l = micrograms per liter or parts per billion (ppb)
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
TMBs = 1,2,4- and 1,3,5-trimethylbenzenes
MTBE = Methyl-tert-butyl ether
PVOCs = Petroleum Volatile Organic Compounds
VOCs = Volatile Organic Compounds
NA = Not Analyzed
NE = No Standard Established
ND = Not Detected
(Dup) = Duplicate
-- = Not Applicable

NOTES:

Bold+underlined values meet or exceed NR 140 enforcement standards.
Italic+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.

Table E-1B
Groundwater Analytical Results Summary - PAHs
Terminal Oil / BT^2 Project #3199
(Results are in µg/l)

Sample	Date	Lab Notes	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo(a) anthracene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Benzo(a) pyrene	Benzo(ghi) perylene	Chrysene	Dibenzo(a,h) anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd) pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	Phenanthrene	Pyrene
MW1	10/5/2006	(1)	1.7 L2	<0.66 L2	<0.036	<0.042	<0.093	<0.047	<0.030	<0.11	<0.039	<0.12	<0.077	<0.059	<0.059	17 L2	13 L2	**52** L2	<0.029	<0.042
	10/05/06 (Dup)	(1)	1.6 L2	<0.66 L2	<0.036	<0.042	<0.093	<0.047	<0.030	<0.11	<0.039	<0.12	<0.077	<0.059	<0.059	16 L2	12 L2	**50** L2	<0.029	<0.042
MW3	8/16/2006	--	<0.89	<1.9	<0.10	<0.12	<0.26	<0.13	<0.086	<0.32	<0.11	<0.35	<0.22	<0.17	<0.17	<0.86	<0.84	<1.1	<0.081	<0.12
	10/5/2006	(1)	<0.33 L2	<0.70 L2	<0.038	<0.044	<0.099	<0.049	<0.032	<0.12	<0.041	<0.13	<0.082	<0.063	<0.063	<0.32 L2	<0.31 L2	<0.40 L2	<0.030	<0.044
	6/28/2007	--	<0.88	<1.8	<0.10 L2	<0.12	<0.26	<0.13	<0.085	<0.12	<0.11	<0.35	<0.22	<0.17	<0.17	0.88 J	0.98 J	5.1	<0.080	<0.12
	8/29/2007	--	<0.34	<0.72	<0.040	<0.046	<0.10	<0.051	<0.033	<0.12	<0.043	<0.14	<0.084	<0.065	<0.065	4.6	5.2	*19*	<0.031	<0.046
MW5	8/16/2006	(2)	4.1 J	<6.9	6.3	9.8	<0.98	<0.49	<0.32	<1.2	**4.1**	<1.3	67	19	<0.62	120	81	**150**	23	42
	6/28/2007	--	8.9 J	<6.9	21	11	**2.9** J	<0.49	**0.64** J	<1.2	**14**	<1.3	*300*	50	<0.62	180	94	**110**	85	*150*
	6/28/2007 (Dup)	--	12 J	<6.9	23	16	**3.7**	1.1 J	**0.84** J	<1.2	**18**	<1.3	*380*	64	<0.62	240	120	**150**	120	*190*
	8/29/2007	(2)	11	<3.6	25	64	**4.4**	0.96	**4.0**	0.95 J	**48**	<0.68	*250*	60	0.69	160	110	**63**	110	*220*
MW6	10/5/2006	(1)	<0.33 L2	<0.70 L2	<0.038	0.064 J	<0.099	0.049 J	*0.038* J	<0.12	<0.041	<0.13	<0.082	<0.063	<0.063	<0.32 L2	<0.31 L2	<0.40 L2	<0.030	<0.044
MW7	10/5/2006	(1)	<1.7 L2	<3.5 L2	<0.19	<0.22	<0.49	<0.25	<0.16	<0.61	<0.21	<0.66	<0.41	<0.31	<0.31	<1.6 L2	<1.6 L2	<2.0 L2	<0.15	<0.22
	6/28/2007	--	5.7 J	<3.4	2.8	3.6	**0.68** J	0.52 J	**0.96**	1.1 J	**1.4**	<0.65	17	11	0.36 J	130	260	**510**	20	2.0
	8/29/2007	--	11	<3.6	7.1	8.2	**1.9**	1.0	**2.9**	1.1 J	**4.7**	<0.68	43	22	0.97	160	320	**320**	37	3.3
	8/29/2007 (Dup)	--	10	<0.73	7.7	4.8	**1.0**	0.60	**1.7**	0.71	**2.7**	0.14 J	27	19	0.57	140	270	**290**	29	2.0
NR 140 Enforcement Standards			NE	NE	3,000	NE	0.2	NE	0.2	NE	0.2	NE	400	400	NE	NE	NE	40	NE	250
NR 140 Preventive Action Limits			NE	NE	600	NE	0.02	NE	0.02	NE	0.02	NE	80	80	NE	NE	NE	8	NE	50

ABBREVIATIONS:
µg/l = micrograms per liter or parts per billion (ppb) PAHs = Polynuclear Aromatic Hydrocarbons NE = No Standard Established (Dup) = Duplicate
-- = Not Applicable

NOTES:
Bold+underlined values meet or exceed NR 140 enforcement standards.
Italic+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.

LABORATORY NOTES AND QUALIFIERS:
(1) *Surr: 2-Fluorobiphenyl* - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.
(2) *Surr: 2-Fluorobiphenyl* - The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
J - Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.
L2 - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.

Created by: TLR Date: 9/5/2006
Last revision by: TLR Date: 9/17/2007
Checked by: RRJ Date: 9/17/2007

I:\3199\Closure\Tables\[E-1B GW Analytical Summary - PAHs.xls]GW PAHs

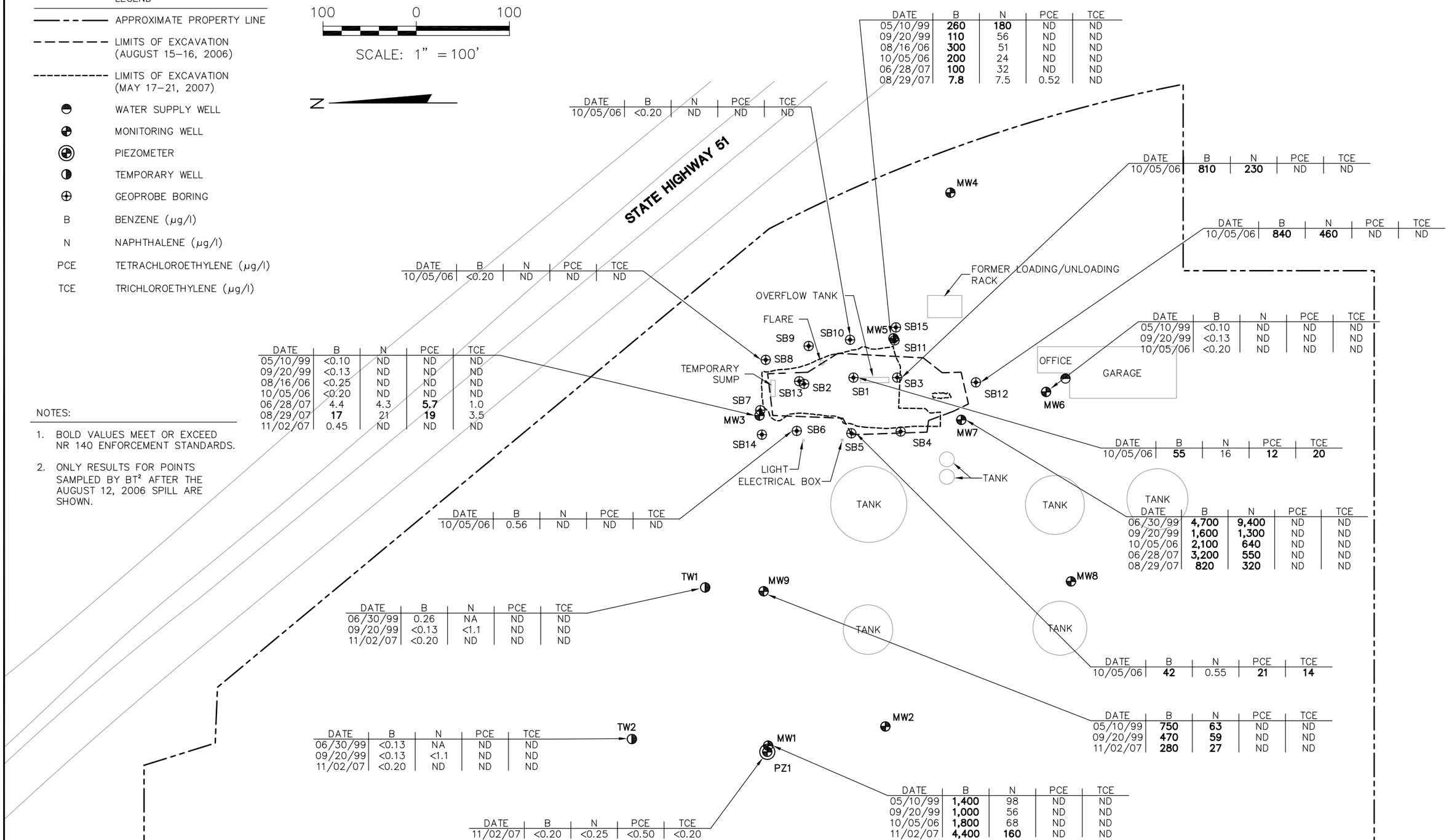
LEGEND

- APPROXIMATE PROPERTY LINE
- LIMITS OF EXCAVATION (AUGUST 15–16, 2006)
- LIMITS OF EXCAVATION (MAY 17–21, 2007)
- WATER SUPPLY WELL
- MONITORING WELL
- PIEZOMETER
- TEMPORARY WELL
- GEOPROBE BORING
- B — BENZENE (µg/l)
- N — NAPHTHALENE (µg/l)
- PCE — TETRACHLOROETHYLENE (µg/l)
- TCE — TRICHLOROETHYLENE (µg/l)

100 0 100

SCALE: 1" = 100'

N



DATE	B	N	PCE	TCE
05/10/99	**260**	**180**	ND	ND
09/20/99	**110**	56	ND	ND
08/16/06	**300**	51	ND	ND
10/05/06	**200**	24	ND	ND
06/28/07	**100**	32	ND	ND
08/29/07	**7.8**	7.5	0.52	ND

DATE	B	N	PCE	TCE
10/05/06	<0.20	ND	ND	ND

DATE	B	N	PCE	TCE
10/05/06	**810**	**230**	ND	ND

DATE	B	N	PCE	TCE
10/05/06	**840**	**460**	ND	ND

DATE	B	N	PCE	TCE
10/05/06	<0.20	ND	ND	ND

DATE	B	N	PCE	TCE
05/10/99	<0.10	ND	ND	ND
09/20/99	<0.13	ND	ND	ND
10/05/06	<0.20	ND	ND	ND

DATE	B	N	PCE	TCE
05/10/99	<0.10	ND	ND	ND
09/20/99	<0.13	ND	ND	ND
08/16/06	<0.25	ND	ND	ND
10/05/06	<0.20	ND	ND	ND
06/28/07	4.4	4.3	**5.7**	1.0
08/29/07	**17**	21	**19**	3.5
11/02/07	0.45	ND	ND	ND

DATE	B	N	PCE	TCE
10/05/06	**55**	16	**12**	**20**

DATE	B	N	PCE	TCE
10/05/06	0.56	ND	ND	ND

DATE	B	N	PCE	TCE
06/30/99	**4,700**	**9,400**	ND	ND
09/20/99	**1,600**	**1,300**	ND	ND
10/05/06	**2,100**	**640**	ND	ND
06/28/07	**3,200**	**550**	ND	ND
08/29/07	**820**	**320**	ND	ND

DATE	B	N	PCE	TCE
06/30/99	0.26	NA	ND	ND
09/20/99	<0.13	<1.1	ND	ND
11/02/07	<0.20	ND	ND	ND

DATE	B	N	PCE	TCE
10/05/06	**42**	0.55	**21**	**14**

DATE	B	N	PCE	TCE
05/10/99	**750**	**63**	ND	ND
09/20/99	**470**	**59**	ND	ND
11/02/07	**280**	**27**	ND	ND

DATE	B	N	PCE	TCE
06/30/99	<0.13	NA	ND	ND
09/20/99	<0.13	<1.1	ND	ND
11/02/07	<0.20	ND	ND	ND

DATE	B	N	PCE	TCE
05/10/99	**1,400**	98	ND	ND
09/20/99	**1,000**	56	ND	ND
10/05/06	**1,800**	68	ND	ND
11/02/07	**4,400**	**160**	ND	ND

DATE	B	N	PCE	TCE
11/02/07	<0.20	<0.25	<0.50	<0.20

NOTES:

1. BOLD VALUES MEET OR EXCEED NR 140 ENFORCEMENT STANDARDS.
2. ONLY RESULTS FOR POINTS SAMPLED BY BT² AFTER THE AUGUST 12, 2006 SPILL ARE SHOWN.

PROJECT NO.	3199	DRAWN BY:	KP
DRAWN:	09/14/06	CHECKED BY:	RJ
REVISED:	11/15/07	APPROVED BY:	

ENGINEER: BT² inc.
2830 DAIRY DRIVE
MADISON, WI 53718–6751
PHONE: (608) 224–2830
FAX: (608) 224–2839

CLIENT: TERMINAL OIL GROUP
3910 TERMINAL DRIVE
MADISON, WI 53704
(608) 221–2881

SITE: TERMINAL OIL GROUP
3910 TERMINAL DRIVE
MADISON, WISCONSIN

GROUNDWATER ANALYTICAL DATA SUMMARY

FIGURE E–2

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Table E-4
Water Level Summary
Terminal Oil / Project #3199A
Madison, Wisconsin

Raw Data	Depth to Water in feet below top of well casing																		
	MW1	MW2	MW3	MW4	MW5	MW5 Product	MW6	MW7 (2)	MW7 Product	MW8	MW9	P1	Lake Waubesa	TW1	TW2	TW3	TW4	TW5	TW6
Measurement Date																			
May 10, 1999	5.55	7.53	7.42	7.89	5.22		5.84	FP		7.10	7.1	4.72							
June 30, 1999	NM	NM	NM	NM	NM		NM	NM		NM	NM	NM		5.91	6.12	4.95	3.05	3.05	4.65
September 20, 1999	8	9.98	10.18	11.03	8.10		8.69	10.84		9.80	9.72	7.22		7.51	6.16	3.57	3.91	3.45	5.85
August 16, 2006	NM	NM	9.93	NM	7.85	7.79	NM	NM	NM	NM	NM	NM		NM	NM	NM	NM	NM	NM
October 5, 2006	6.56	NM	8.74	NM	6.60	6.57	7.24	10.88	NM	NM	NM	NM		NM	NM	NM	NM	NM	NM
June 28, 2007	NM	NM	9.42	NM	6.91	6.90	NM	11.59	11.56	NM	NM	NM		NM	NM	NM	NM	NM	NM
August 29, 2007	NM	NM	7.26	NM	4.78	NONE	NM	9.48	NONE	NM	NM	NM		NM	NM	NM	NM	NM	NM
November 2, 2007	6.63	8.60	8.77	9.53	6.30	NM	NM	NM	NM	NM	8.33	5.84		6.19	4.78	NM	NM	NM	NM

	Ground Water Elevation in feet above mean sea level (amsl)																		
Well Number	**MW1**	**MW2**	**MW3**	**MW4**	**MW5**	**MW5**	**MW6**	**MW7 (2)**	**MW7**	**MW8**	**MW9**	**P1**	**Lake Waubesa**	**TW1**	**TW2**	**TW3**	**TW4**	**TW5**	**TW6**
Top of Casing Elev. (site datum)	98.072	100.117	100.81	102.385	98.965	Product	99.595	101.665	Product	100.41	100.05	97.377		97.82	96.23	93.46	93.16	93.36	95.8
Top of Casing Elev. (feet amsl)	854.10	856.14	856.84	858.41	854.99	Thickness	855.62	857.69	Thickness	856.44	856.08	853.40		853.85	852.26	849.49	849.19	849.39	851.83
Measurement Date																			
May 10, 1999	848.55	848.61	849.42	850.52	849.77		849.78	NM	present	849.34	848.98	848.682							
June 30, 1999	NM	NM	NM	NM	NM		NM	NM		NM	NM	NM		847.935	846.135	844.535	846.135	846.335	847.175
September 20, 1999	846.10	846.16	846.66	847.38	846.89		846.93	846.85		846.64	846.36	846.182		846.335	846.095	845.915	845.275	845.935	845.975
August 16, 2006	NM	NM	846.91	NM	847.14	0.06	NM	NM		NM	NM	NM	845.03	NM	NM	NM	NM	NM	NM
October 5, 2006	847.54	NM	848.10	NM	848.39	0.03	848.38	846.81		NM	NM	NM	845.01	NM	NM	NM	NM	NM	NM
June 28, 2007	NM	NM	847.42	NM	848.08	0.01	NM	846.10	0.03	NM	NM	NM	844.84	NM	NM	NM	NM	NM	NM
August 29, 2007	NM	NM	849.58	NM	850.21	0.00	NM	848.21	0.00	NM	NM	NM	846.94	NM	NM	NM	NM	NM	NM
November 2, 2007	847.47	847.54	848.07	848.88	848.69		NM	NM		NM	847.75	847.562	844.83	847.655	847.475	NM	NM	NM	NM

NOTES:
NM = not measured

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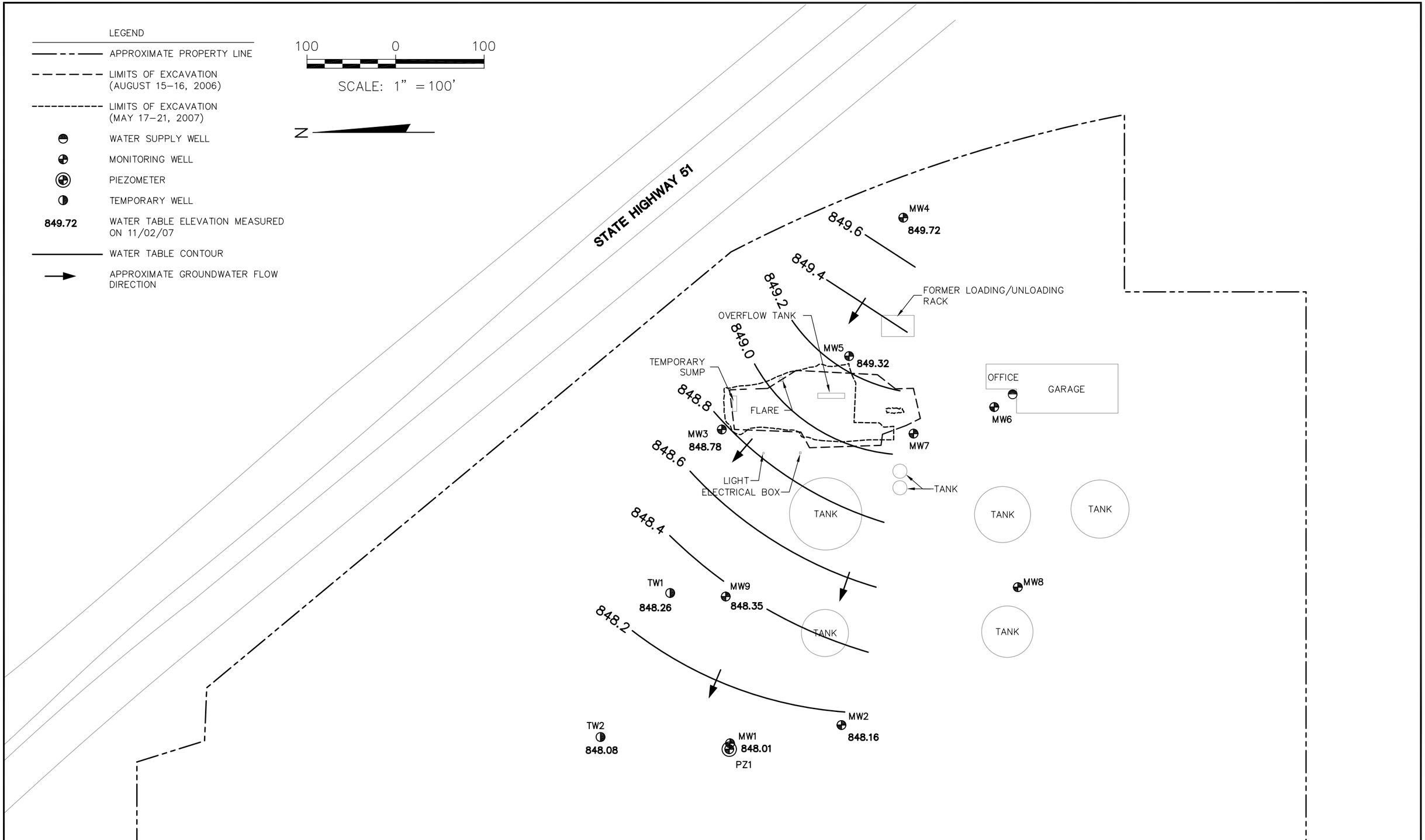

PROJECT NO.	3199	DRAWN BY:	KP	ENGINEER	BT² inc.	2830 DAIRY DRIVE MADISON, WI 53718–6751 PHONE: (608) 224–2830 FAX: (608) 224–2839	CLIENT	TERMINAL OIL GROUP 3910 TERMINAL DRIVE MADISON, WI 53704 (608) 221–2881	SITE	TERMINAL OIL GROUP 3910 TERMINAL DRIVE MADISON, WISCONSIN	GROUNDWATER ELEVATIONS AND CONTOURS NOVEMBER 2, 2007	FIGURE E–3
DRAWN:	09/14/06	CHECKED BY:	RJ									
REVISED:	11/15/07	APPROVED BY:										

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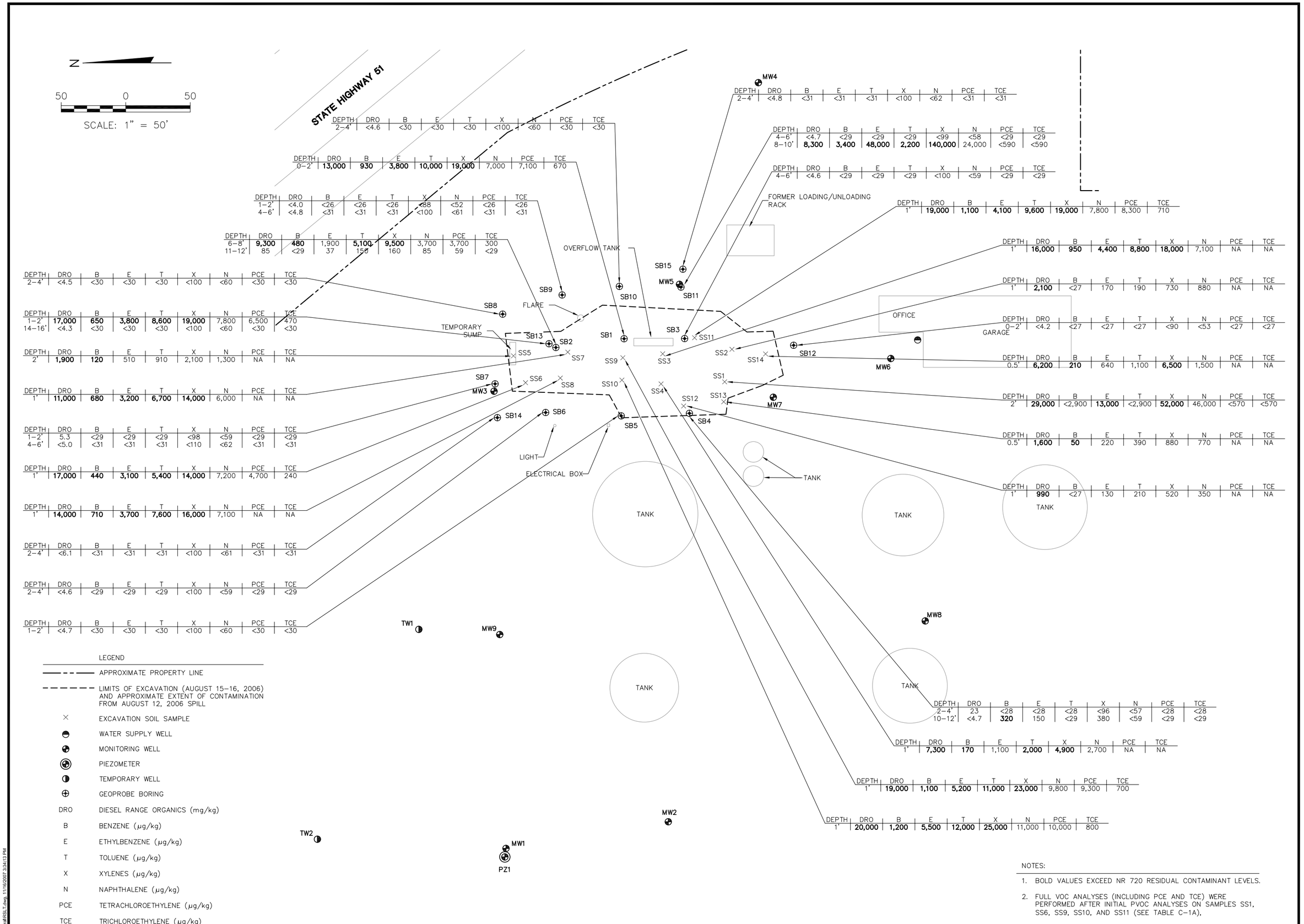

DEPTH	DRO	B	E	T	X	N	PCE	TCE
2–4'	<4.6	<30	<30	<30	<100	<60	<30	<30

DEPTH	DRO	B	E	T	X	N	PCE	TCE
0–2'	13,000	930	3,800	10,000	19,000	7,000	7,100	670

DEPTH	DRO	B	E	T	X	N	PCE	TCE
1–2'	<4.0	<26	<26	<26	<88	<52	<26	<26
4–6'	<4.8	<31	<31	<31	<100	<61	<31	<31

DEPTH	DRO	B	E	T	X	N	PCE	TCE
6–8'	9,300	480	1,900	5,100	9,500	3,700	3,700	300
11–12'	85	<29	37	150	160	85	59	<29

DEPTH	DRO	B	E	T	X	N	PCE	TCE
2–4'	<4.5	<30	<30	<30	<100	<60	<30	<30

DEPTH	DRO	B	E	T	X	N	PCE	TCE
1–2'	17,000	650	3,800	8,600	19,000	7,800	6,500	470
14–16'	<4.3	<30	<30	<30	<100	<60	<30	<30

DEPTH	DRO	B	E	T	X	N	PCE	TCE
2'	1,900	120	510	910	2,100	1,300	NA	NA

DEPTH	DRO	B	E	T	X	N	PCE	TCE
1'	11,000	680	3,200	6,700	14,000	6,000	NA	NA

DEPTH	DRO	B	E	T	X	N	PCE	TCE
1–2'	5.3	<29	<29	<29	<98	<59	<29	<29
4–6'	<5.0	<31	<31	<31	<110	<62	<31	<31

DEPTH	DRO	B	E	T	X	N	PCE	TCE
1'	17,000	440	3,100	5,400	14,000	7,200	4,700	240

DEPTH	DRO	B	E	T	X	N	PCE	TCE
1'	14,000	710	3,700	7,600	16,000	7,100	NA	NA

DEPTH	DRO	B	E	T	X	N	PCE	TCE
2–4'	<6.1	<31	<31	<31	<100	<61	<31	<31

DEPTH	DRO	B	E	T	X	N	PCE	TCE
2–4'	<4.6	<29	<29	<29	<100	<59	<29	<29

DEPTH	DRO	B	E	T	X	N	PCE	TCE
1–2'	<4.7	<30	<30	<30	<100	<60	<30	<30

DEPTH	DRO	B	E	T	X	N	PCE	TCE
2–4'	<4.8	<31	<31	<31	<100	<62	<31	<31

DEPTH	DRO	B	E	T	X	N	PCE	TCE
4–6'	<4.7	<29	<29	<29	<99	<58	<29	<29
8–10'	8,300	3,400	48,000	2,200	140,000	24,000	<590	<590

DEPTH	DRO	B	E	T	X	N	PCE	TCE
4–6'	<4.6	<29	<29	<29	<100	<59	<29	<29

DEPTH	DRO	B	E	T	X	N	PCE	TCE
1'	19,000	1,100	4,100	9,600	19,000	7,800	8,300	710

DEPTH	DRO	B	E	T	X	N	PCE	TCE
1'	16,000	950	4,400	8,800	18,000	7,100	NA	NA

DEPTH	DRO	B	E	T	X	N	PCE	TCE
1'	2,100	<27	170	190	730	880	NA	NA

DEPTH	DRO	B	E	T	X	N	PCE	TCE
0–2'	<4.2	<27	<27	<27	<90	<53	<27	<27

DEPTH	DRO	B	E	T	X	N	PCE	TCE
0.5'	6,200	210	640	1,100	6,500	1,500	NA	NA

DEPTH	DRO	B	E	T	X	N	PCE	TCE
2'	29,000	<2,900	13,000	<2,900	52,000	46,000	<570	<570

DEPTH	DRO	B	E	T	X	N	PCE	TCE
0.5'	1,600	50	220	390	880	770	NA	NA

DEPTH	DRO	B	E	T	X	N	PCE	TCE
1'	990	<27	130	210	520	350	NA	NA

DEPTH	DRO	B	E	T	X	N	PCE	TCE
2–4'	23	<28	<28	<28	<96	<57	<28	<28
10–12'	<4.7	320	150	<29	380	<59	<29	<29

DEPTH	DRO	B	E	T	X	N	PCE	TCE
1'	7,300	170	1,100	2,000	4,900	2,700	NA	NA

DEPTH	DRO	B	E	T	X	N	PCE	TCE
1'	19,000	1,100	5,200	11,000	23,000	9,800	9,300	700

DEPTH	DRO	B	E	T	X	N	PCE	TCE
1'	20,000	1,200	5,500	12,000	25,000	11,000	10,000	800

LEGEND

- APPROXIMATE PROPERTY LINE
- LIMITS OF EXCAVATION (AUGUST 15–16, 2006) AND APPROXIMATE EXTENT OF CONTAMINATION FROM AUGUST 12, 2006 SPILL
- × EXCAVATION SOIL SAMPLE
- WATER SUPPLY WELL
- MONITORING WELL
- PIEZOMETER
- TEMPORARY WELL
- GEOPROBE BORING
- DRO DIESEL RANGE ORGANICS (mg/kg)
- B BENZENE (µg/kg)
- E ETHYLBENZENE (µg/kg)
- T TOLUENE (µg/kg)
- X XYLENES (µg/kg)
- N NAPHTHALENE (µg/kg)
- PCE TETRACHLOROETHYLENE (µg/kg)
- TCE TRICHLOROETHYLENE (µg/kg)

NOTES:

1. BOLD VALUES EXCEED NR 720 RESIDUAL CONTAMINANT LEVELS.
2. FULL VOC ANALYSES (INCLUDING PCE AND TCE) WERE PERFORMED AFTER INITIAL PVOC ANALYSES ON SAMPLES SS1, SS6, SS9, SS10, AND SS11 (SEE TABLE C–1A).

PROJECT NO.	3199	DRAWN BY:	KP
DRAWN:	09/14/06	CHECKED BY:	EO
REVISED:	11/15/07	APPROVED BY:	

ENGINEER: BT2 inc.
2830 DAIRY DRIVE
MADISON, WI 53718–6751
PHONE: (608) 224–2830
FAX: (608) 224–2839

CLIENT: TERMINAL OIL GROUP
3910 TERMINAL DRIVE
MADISON, WI 53704
(608) 221–2881

SITE: TERMINAL OIL GROUP
3910 TERMINAL DRIVE
MADISON, WISCONSIN

INITIAL SOIL SAMPLE DATA SUMMARY

FIGURE C–2

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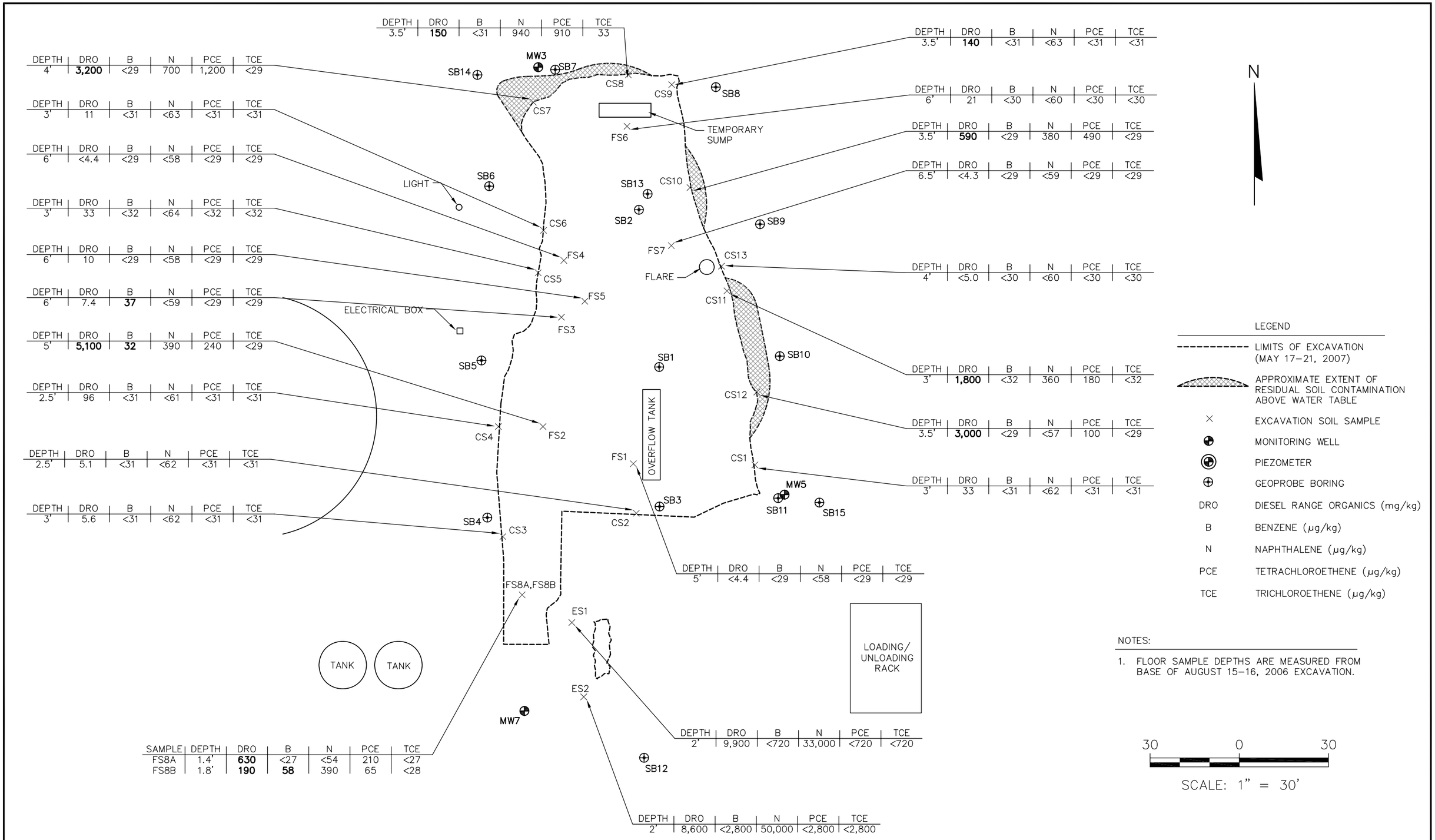

PROJECT NO.	3199	DRAWN BY:	KP	ENGINEER	BT² inc. 2830 DAIRY DRIVE MADISON, WI 53718–6751 PHONE: (608) 224–2830 FAX: (608) 224–2839	CLIENT: TERMINAL OIL GROUP 3910 TERMINAL DRIVE MADISON, WI 53704 (608) 221–2881	SITE: TERMINAL OIL GROUP 3910 TERMINAL DRIVE MADISON, WISCONSIN
DRAWN:	09/14/06	CHECKED BY:	RJ				
REVISED:	11/15/07	APPROVED BY:					

POST–EXCAVATION SOIL DATA SUMMARY

FIGURE D–2

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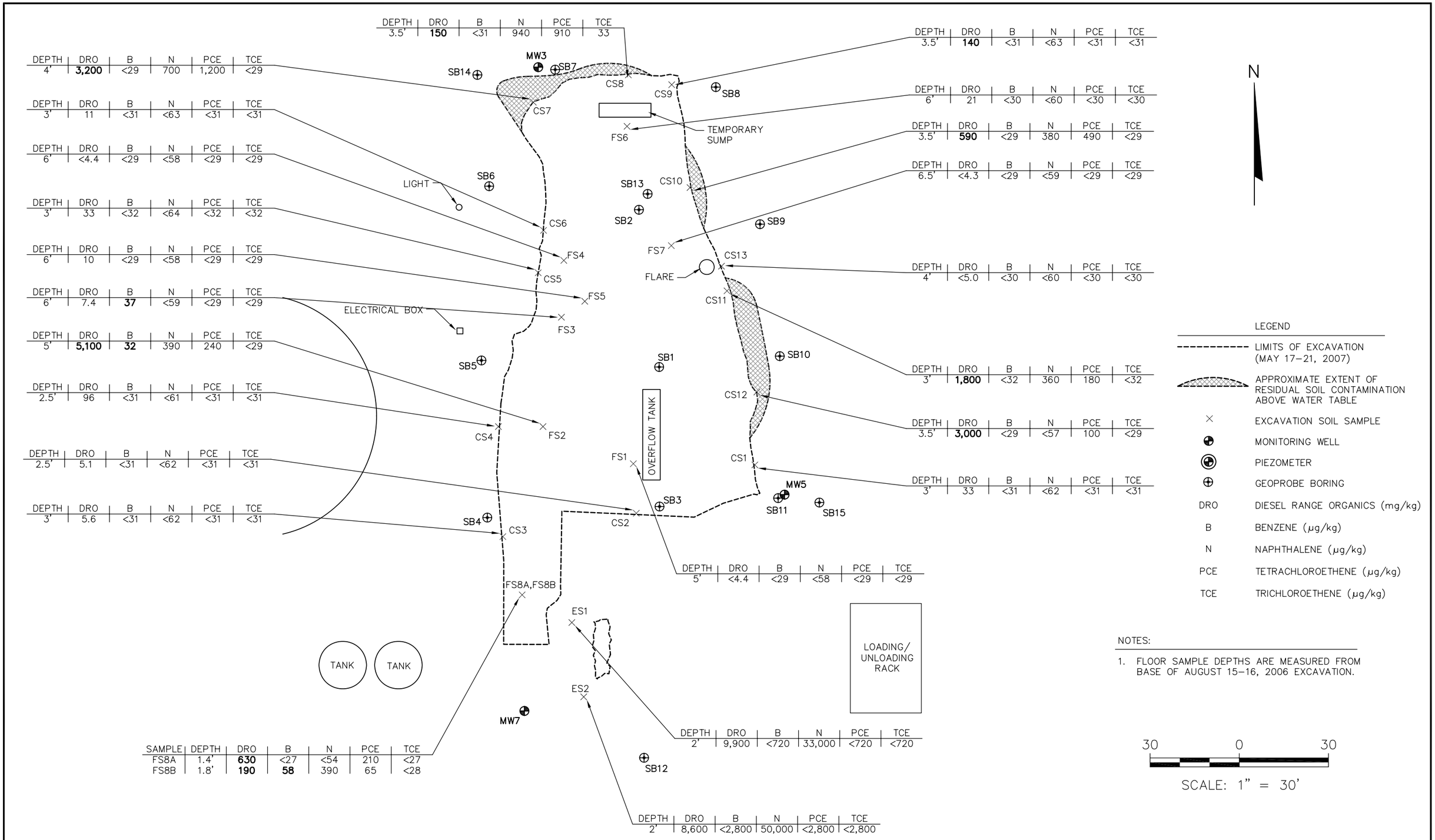

PROJECT NO.	3199	DRAWN BY:	KP	ENGINEER	BT² inc. 2830 DAIRY DRIVE MADISON, WI 53718–6751 PHONE: (608) 224–2830 FAX: (608) 224–2839	CLIENT: TERMINAL OIL GROUP 3910 TERMINAL DRIVE MADISON, WI 53704 (608) 221–2881	SITE: TERMINAL OIL GROUP 3910 TERMINAL DRIVE MADISON, WISCONSIN
DRAWN:	09/14/06	CHECKED BY:	RJ				
REVISED:	11/15/07	APPROVED BY:					

POST–EXCAVATION SOIL DATA SUMMARY

FIGURE D–2

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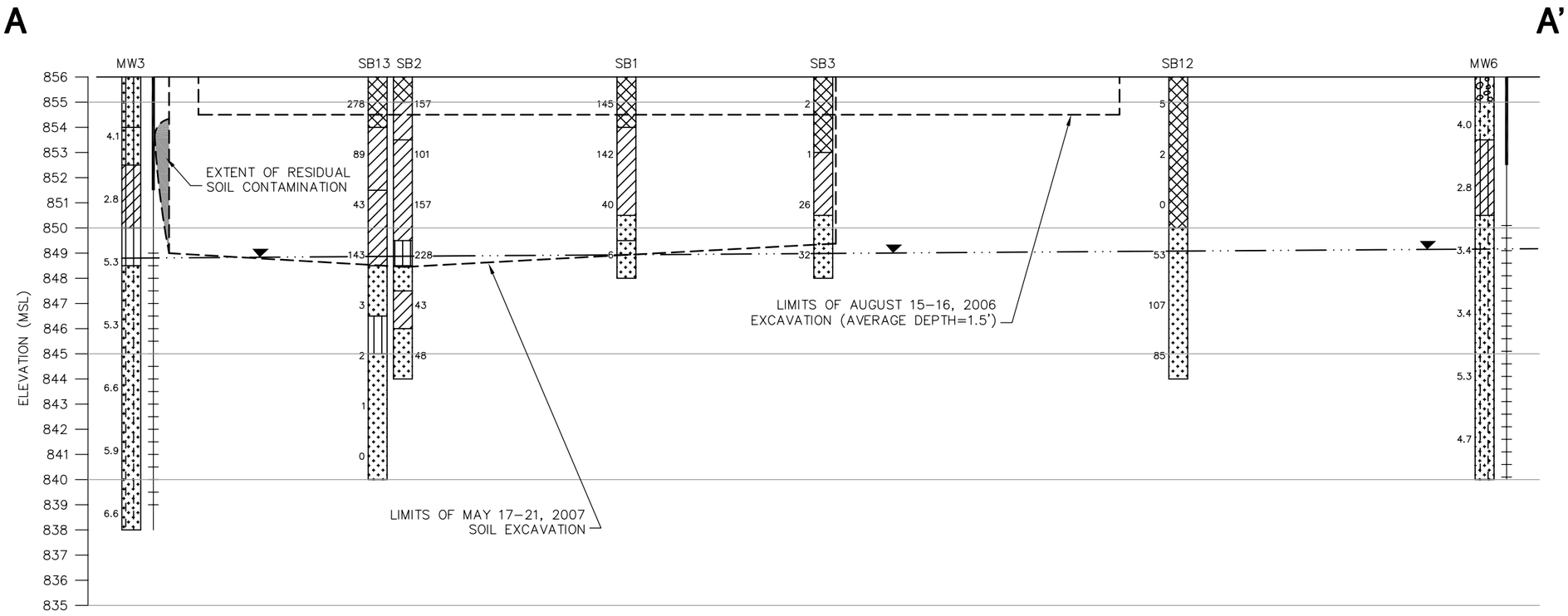
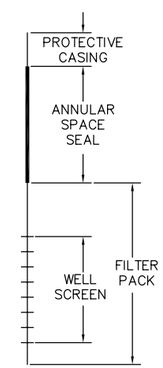


LEGEND

- NON–GEOLOGIC MATERIAL
- SAND, POORLY GRADED, LITTLE OR NO FINES (SP)
- SILT (ML)
- LEAN CLAY (CL)
- SILTY SAND (SM)
- SILTY GRAVEL (GM)
- SAND, POORLY GRADED WITH SILT (SP–SM)
- SILTY CLAY (CL–ML)
- WATER TABLE ON 10/05/06
- 25 PHOTO–IONIZATION DETECTOR READING



WELL DETAIL

0 30

HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 5'
VERTICAL EXAGGERATION = 6X

PROJECT NO.	3199	DRAWN BY:	KP	ENGINEER	BT² inc. 2830 DAIRY DRIVE MADISON, WI 53718–6751 PHONE: (608) 224–2830 FAX: (608) 224–2839	CLIENT	TERMINAL OIL GROUP 3910 TERMINAL DRIVE MADISON, WI 53704 (608) 221–2881	SITE	TERMINAL OIL GROUP 3910 TERMINAL DRIVE MADISON, WISCONSIN	POST–REMEDIAL CROSS SECTION A–A'	FIGURE D–3
DRAWN:	09/14/07	CHECKED BY:	RJ								
REVISED:	11/15/07	APPROVED BY:									

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November 6, 2007

To: Wisconsin Department of Natural Resources

Subject: Statement that all Legal Descriptions for Properties within the Contaminated Site Boundaries have been Included
Terminal Oil Group
Waste Oil Spill Site
3910 Terminal Drive, Madison, Wisconsin

BRRTS # 02-13-547947
BT^2 Project #3199a

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 the contaminated site boundary has been included with the closure request.

The attached property information for the property located at 3910 Terminal Drive, Madison, Wisconsin, includes the Warranty Deed (document #4266407) with a legal description and location survey map for parcel 0710-272-0087-4.

If you need additional information, please contact my environmental consultant, Mr. Eric Oelkers of Independent Terminal Services Company, at (608) 216-7341.

Sincerely,

Mr. Tim Schierl
McFarland 3910 Terminal WI LLC