GIS REGISTRY INFORMATION

SITE NAME:	Amoco-Granville Terminal #00230		
BRRTS #:	02-41-000702	**FID #** (if appropriate):	
COMMERCE # (if appropriate):	53224-1508-01		
CLOSURE DATE:	June 05, 2006		
STREET ADDRESS:	9101 N 107th St		
CITY:	Milwaukee		

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	**X =**	678733		**Y =**	303011	
CONTAMINATED MEDIA:	Groundwater		Soil		Both	X
OFF-SOURCE GW CONTAMINATION >ES:		Yes			No	X
• **IF YES, STREET ADDRESS:**						
• **GPS COORDINATES** (meters in WTM91 projection):	**X =**			**Y =**		
OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):		Yes		No	X	
• **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 issued or denial letter issued.	X
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)	X
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	X
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)	
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	X
Copy of (soil or land use) deed restriction (s) or deed notice if any required as a condition of closure	
Copy of any maintenance plan referenced in the deed restriction	

commerce.wi.gov
Wisconsin
Department of Commerce

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
101 West Pleasant Street, Suite 100A
Milwaukee, Wisconsin 53212-3963
TDD #: (608) 264-8777
Fax #: (414) 220-5374
Jim Doyle, Governor
Mary P. Burke, Secretary

June 5, 2006

Mr. Steve Thomas
BP Products North America, Inc.
P.O. Box 642
Chanhassen, MN 55317

RE: **Final Closure**

Commerce # 53224-1508-01-A DNR BRRTS # 02-41-000702
Amoco-Granville Terminal # 00230, 9101 North 107th Street, Milwaukee

Dear Mr. Thomas:

The Wisconsin Department of Commerce (Commerce) has received all items required as conditions for closure of the site referenced above. This case is now listed as "closed" on the Commerce 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. It is in your best interest to keep all documentation related to the environmental activities that were conducted.

If residual contamination is encountered in the future, it must be managed in accordance with all applicable state and federal regulations. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required.

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 (414) 220-5376.

Sincerely,

Linda M. Michalets
Senior Hydrogeologist
Site Review Section

cc: Mr. James Kasdorf, Delta Environmental Consultants, Inc.
Mr. John Grams, Delta Environmental Consultants, Inc.

commerce.wi.gov
Wisconsin
Department of Commerce

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
101 West Pleasant Street, Suite 100A
Milwaukee, Wisconsin 53212-3963
TDD #: (608) 264-8777
Fax #: (414) 220-5374
Jim Doyle, Governor
Mary P. Burke, Secretary

July 7, 2005

Mr. Raymond Stoelting
BP Products North America, Inc.
P.O. Box 642
Chanhassen, MN 55317

RE: **Conditional Case Closure**

Commerce # 53224-1508-01-A WDNR BRRTS # 02-41-000702
Amoco-Granville Terminal, 9101 North 107th Street, Milwaukee

Dear Mr. Stoelting:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure prepared by your consultant, Delta Environmental Consultants, Inc. (Delta), 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 the environment and human health. No further investigation or remedial action is necessary.

The following condition must be satisfied to obtain final closure:

- The 27 remaining monitoring wells must be properly abandoned and the appropriate documentation must be forwarded to me at the letterhead address.

- Please provide abandonment documentation for OW-1, OW-7 and OW-12. In the August 12, 2002 Cost to Closure Estimate, Delta indicated that the abandonment of these wells was completed in July 2002.

- A deed notice must be placed on this property to address monitoring well OW-6, which was reportedly destroyed, and any other monitoring wells that cannot be properly abandoned. An example of the deed language is enclosed for your use. A site map with the monitoring well location(s) (such as Figure 2, "Site Map," from the GIS Registry packet) must be attached to the notice. For our file, please submit a completed copy that has been signed, notarized, and recorded with the County Register of Deeds. If you would like to modify the language, please send me a copy for review prior to recording.

This letter serves as your written notice of "no further action". Timely filing of your final PECFA claim (if applicable) is encouraged. If your claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

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 (414) 220-5376.

Sincerely,

Linda M. Michalets
Senior Hydrogeologist
Site Review Section

cc: Mr. Rick Carney, Delta Environmental Consultants, Inc.
Case File

STATEMENT OF LEGAL DESCRIPTION ACCURACY

FOR

BP Granville Terminal
9101 North 107th Street
Milwaukee, Wisconsin

Delta Project No. G006MP
WDNR BRRTS No. 02-41-000702

Parcel Identification Number: 0360011000

Geographic Position:678733, 303011 WTM

The Milwaukee County Register of Deeds Office provided the attached legal description as part of the deed for the above-mentioned property. According to the information available to Delta Environmental Consultants, Inc., the legal descriptions are accurate and complete to the best of my knowledge.

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TMueller

Tim Mueller, Project Geologist

5-11-05

Date

SPECIAL WARRANTY DEED

THIS INDENTURE, made this 1st day of January, 1962, between O. V. Anderson and Lillian B. Anderson, his wife, parties of the first part, and **The American Oil Company, a Maryland corporation, 910 S. Michigan Ave., Chicago 80, Ill.**, party of the second part,

WITNESSETH, That the said parties of the first part, for and in consideration of the sum of One Dollar ($1.00) and other good and valuable consideration to them in hand paid by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, have given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents do give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said party of the second part, and its successors and assigns forever, the following described real estate, situated in the County of Milwaukee, State of Wisconsin, to-wit:

That part of the SE¼ of Section 6, T8N, R21E, in Milwaukee County, Wisconsin, which is bounded and described as follows:

Commencing at a point in the East line of said 1/4 Section 456.99 Ft. due South of the Northeast corner of said 1/4 Section, said point being 2192.39 Ft. due North of the Southeast corner of said Section; running thence due South along the East line of said 1/4 Section 825.00 Ft. to a point, said point being 1367.39 Ft. due North of the Southeast corner of said Section; thence South 89° 57' 30" West at right angles to the East line of the NE¼ of said Section extended South 1379.07 Ft. to a point; Thence North 00° 02' 30" West and parallel to the East line of the NE¼ of said Section extended South 825.00 Ft. to a point; thence North 89° 57' 30" East at right angles to the East line of the NE¼ of said Section extended South 1379.67 Ft. to the point of commencement.

Reserving therefrom the East 60.00 Ft. for public right-of-way purposes.

TOGETHER with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining; and all the estate, right, title, interest, claim or demand whatsoever, of the said parties of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises, and their hereditaments and appurtenances.

PROVIDED, HOWEVER, that it is mutually agreed by the parties hereto and their heirs, successors, executors, administrators, personal representatives and assigns that no building, structure or other facility on said premises shall be used or erected for use as a service station or for the retail disposition to the public, by sale or otherwise, of petroleum products, and that in order to maintain the value, use and desirability of the 277.238 acres, more or less, of property conveyed to O. V. Anderson by deeds recorded in Volume 4144, at pages 41, 43, 47, 492, 636 and 638, in Volume 4146 at page 125 and in Volume 4152 at page 249 of the Deed Records of said County, which property includes the properties herein conveyed, all conveyances by the parties hereto, their heirs, successors, executors, administrators, personal representatives or assigns of any of the property described herein or in said recorded deeds shall contain the restriction set forth in this clause; and that these cove-

nants shall be construed as running with the said land.

TO HAVE AND TO HOLD the said premises as above described with the hereditaments and appurtenances, unto the said party of the second part, and its successors and assigns FOREVER.

AND the said O. V. Anderson and Lillian B. Anderson, his wife, for themselves, their heirs, executors, and administrators do covenant, grant, bargain, and agree to and with said party of the second part, its successors and assigns, that the parties of the first part will forever WARRANT AND DEFEND the above bargained premises in the quiet and peaceable possession of the said party of the second part, its successors and assigns, against all and every person or persons lawfully claiming the whole or any part of the said premises, by, through, or under the parties of the first part, but not otherwise.

IN WITNESS WHEREOF, the said parties of the first part have hereunto set their hands and seal this 1st day of January, A.D., 1962.

No Rev Stamps required acted as agent

O. V. ANDERSON

Lillian B. Anderson
LILLIAN B. ANDERSON

SIGNED AND SEALED IN PRESENCE OF:

Lois M. Berkery

Nora S. Thorsen

STATE OF ILLINOIS }
COUNTY OF COOK } SS.

Personally came before me, this 22nd day of January, A.D., 1962, the above named O. V. ANDERSON and LILLIAN B. ANDERSON, his wife, to me known to be the persons who executed the foregoing instrument and acknowledged the same.

My Commission Expires:
December 5, 1964

Carole V. Schnable
Notary Public
In and For Cook County, Illinois
CAROLE V. SCHNABLE

This instrument was drafted by John H. Lungren, Attorney.

3959551

REGISTER'S OFFICE } ss.
Milwaukee County, Wis. }
RECORDED AT 1:45 P.M.
ON JUL - 5 1962 in
Vol. 4255 Page 458

RETURN TO:
THE AMERICAN OIL COMPANY
310 S. MICHIGAN AVENUE
CHICAGO 80, ILLINOIS

To Sam L. Jackson

81-1101

D. C. D. 1253

1-174 G

REEL 1408 IMAG 121

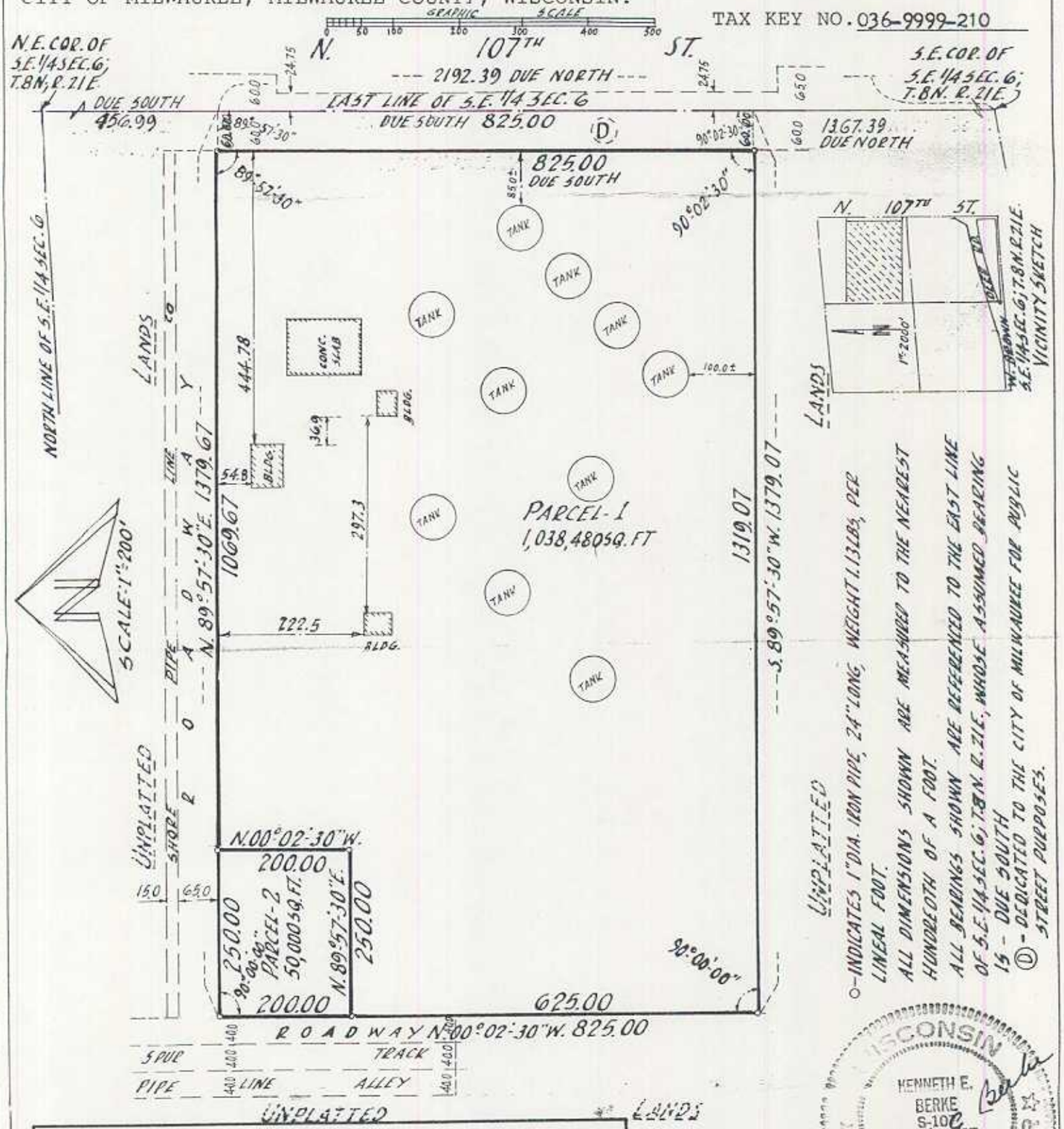
Zoning: I, D, 60'

SHEET 1 OF 4 SHEETS

CERTIFIED SURVEY MAP NO. 4099

BEING A DIVISION OF A PART OF THE S E 1/4 OF SECTION 6, T 8 N, R 21 E, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.

TAX KEY NO. 036-9999-210



national survey & engineering
3470 north 127th street • p.o. box 444 • brookfield, wisconsin, 53005 • phone 414 / 781-1000

WISCONSIN KENNETH E. BERKE S-1026 MILWAUKEE, WIS. LAND SURVEYOR

9/9/81

RECEIVED
SEP 10 1981
DEPT. OF CITY DEVELOPMENT

CITY FEE DEPOSITED
$22.00 9-10-81

DEPT. OF CITY DEVELOPMENT OF MILWAUKEE
SEP 10 1981
STAFF APPROVED

BUREAU OF ENGINEERS
CHIEF DRAFTSMAN 9/23/81
ENGR. IN CHARGE SEWER ENGR. DIV. 9/15/81
CORRECT
CITY ENGINEER
APPROVED 9/24/81

CERTIFIED SURVEY MAP NO. 4099

BEING A DIVISION OF A PART OF THE S E 1/4 OF SECTION 6, T 8 N, R 21 E, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.

SURVEYOR'S CERTIFICATE

I, KENNETH E BERKE, a registered land surveyor, do hereby certify:

THAT I have surveyed, divided and mapped a division of a part of the S E 1/4 of Section 6, T 8 N, R 21 E, in the City of Milwaukee, Milwaukee County, Wisconsin, which is bounded and described as follows:

BEGINNING at a point in the East line of said 1/4 Section 456.99 ft. due South of the Northeast corner of said 1/4 Section, said point being 2192.39 ft. due North of the Southeast corner of said Section;
THENCE due South along the East line of said 1/4 Section 825.00 ft. to a point, said point being 1367.39 ft. due North of the Southeast corner of said Section;
THENCE South 89° 57' 30" West 1379.07 ft. to a point;
THENCE North 00° 02' 30" West and parallel to the East line of the NE 1/4 of said Section extended South 825.00 ft. to a point;
THENCE North 89° 57' 30" East 1379.67 ft. to the point of beginning.
Excepting therefrom the East 60.00 ft dedicated to the City of Milwaukee for public street purposes.

THAT I have made such survey, land division and map by the direction of AMOCO OIL CO.

THAT such map is a correct representation of all the exterior boundaries of that land surveyed, and the land division thereof made.

THAT I have fully complied with the provisions of Chapter 236 of the Wisconsin Statutes and Chapter 9 of the Milwaukee Code in surveying, dividing and mapping the same.

DATED this 9TH day of SEPTEMBER, 1981.

Kenneth E Berke (SEAL)
Kenneth E Berke, Registered Wisconsin
Land Surveyor S107

CORPORATE OWNER'S CERTIFICATE

AMOCO OIL CO., a Corporation duly organized and existing under and by virtue of the laws of the State of Maryland, as owner, does hereby certify that said Corporation caused the land described on this map to be surveyed, divided, mapped and dedicated as represented on this map in accordance with the requirements of Section 9-8.5 of the City of Milwaukee Code of Ordinances.

5505663

REGISTER'S OFFICE
Milwaukee County, Wis. } SS
RECORDED AT 11 55 AM
OCT 13 1981
REEL 1408 IMAGE 121 to 124 incl
Wilma A. Zangl
REGISTER OF DEEDS

WISCONSIN
KENNETH E. BERKE
S-107
MILWAUKEE, WIS.

D. C. D. 1253

CERTIFIED SURVEY MAP NO. 4099

BEING A DIVISION OF A PART OF THE S E 1/4 OF SECTION 6, T 8 N, R 21 E, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.

In consideration of the approval of the map by the Common Council and in accordance with Chapter 9 of the Milwaukee Code, the undersigned agrees:

a. That all utility lines to provide electric power and telephone service to all lots in the certified survey map shall be installed underground in easements provided therefor where feasible.

This agreement shall be binding on the undersigned and assigns.

IN WITNESS WHEREOF, the said AMOCO OIL CO., has caused these presents to be signed by Thomas J. Buehler, its Regional Real Estate Manager and countersigned by L. H. Rochte, its Assistant Secretary, at Chicago, Illinois this 9th day of September, 1981.

In The Presence of:

Cynthia S Sexton

Jeanne Jiner

AMOCO OIL CO

Thomas J. Buehler (SEAL)
Thomas J. Buehler
Regional Real Estate Manager

COUNTERSIGNED:

L. H. Rochte (SEAL)
L. H. Rochte
Assistant Secretary

STATE OF Illinois)
:SS
COUNTY OF Cook)

PERSONALLY came before me this 9th day of September, 1981 the above named Thomas J. Buehler, and L. H. Rochte, of the above named Corporation, to me known to be the persons who executed the foregoing instrument and to me known to be such Regional Real Estate Manager and Assistant Secretary of said Corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of said Corporation by its authority.

Mary E. Safranski (SEAL)
Notary Public, State of Illinois
My Commission Expires August 21, 1984
My Commission is Permanent

WISCONSIN KENNETH E. BERGE 1002 MILWAUKEE, WIS. LAND SURVEYOR

Kenneth E. Berge

9/9/81

D. C. D. 1253

CERTIFIED SURVEY MAP NO. 4099

BEING A DIVISION OF A PART OF THE S E 1/4 OF SECTION 6, T 8 N, R 21 E, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.

CERTIFICATE OF CITY TREASURER

I, WAYNE F WHITTOW, being the duly elected, qualified and acting City Treasurer of the City of Milwaukee, do hereby certify that in accordance with the records in the Office of the City Treasurer of the City of Milwaukee there are no unpaid taxes and that the method of payment of any special assessments relating to the land included in this Certified Survey Map has been agreed upon between the owners and the City of Milwaukee.

September 28, 1981
Date

Wayne F. Whittow SEAL
Wayne F Whittow, City Treasurer

COMMON COUNCIL CERTIFICATE OF APPROVAL

BE it noted that this Certified Survey Map, submitted under File No. 81-1101, being a division of a part of the SE 1/4 of Section 6, T 8 N, R 21 E, in the City of Milwaukee, Milwaukee County, Wisconsin, having been approved by the City Plan Commission, has been approved by the Milwaukee Common Council.

I hereby certify tht the foregoing certified survey map was approved by Common Council Resolution on OCT 6 1981

Allen R. Allbaugh (SEAL)
City Clerk

Henry W Maier (SEAL)
Mayor

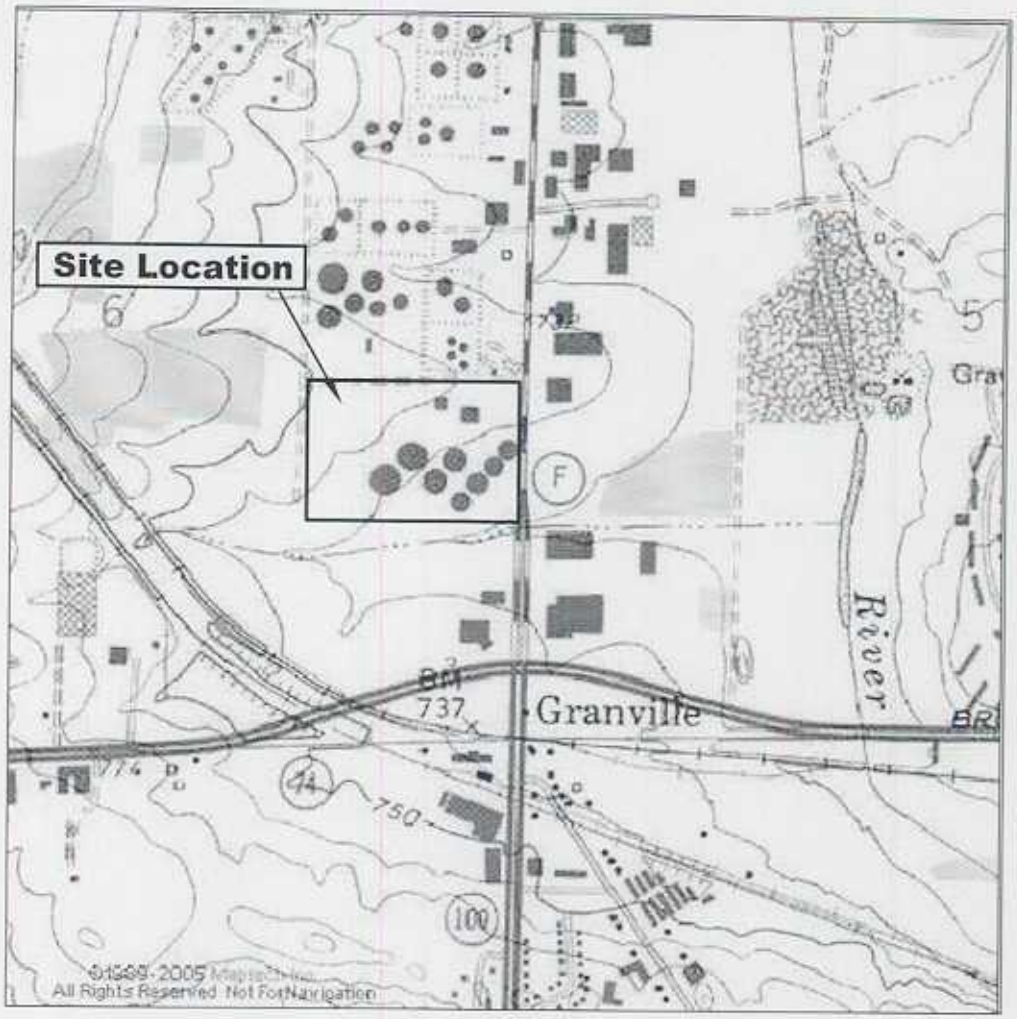
DOC # 5505663
RECORD 5.00

WISCONSIN
KENNETH E. BERKE
S-109
MILWAUKEE, WIS.

Kenneth E. Berke

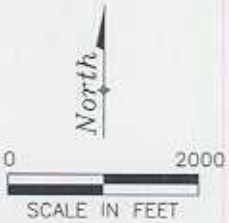
9/9/81

THIS INSTRUMENT WAS DRAFTED BY
KENNETH E BERKE



MENOMONEE FALLS QUADRANGLE
WISCONSIN
7.5 MINUTE SERIES (TOPOGRAPHIC)

QUADRANGLE LOCATION



SCALE IN FEET

FIGURE 1
SITE LOCATION MAP
AMOCO GRANVILLE TERMINAL
9101 NORTH 107TH STREET
MILWAUKEE, WISCONSIN

PROJECT NO.	PREPARED BY
G006M	JK
DATE	REVIEWED BY
4/7/05	

Delta Environmental Consultants, Inc.

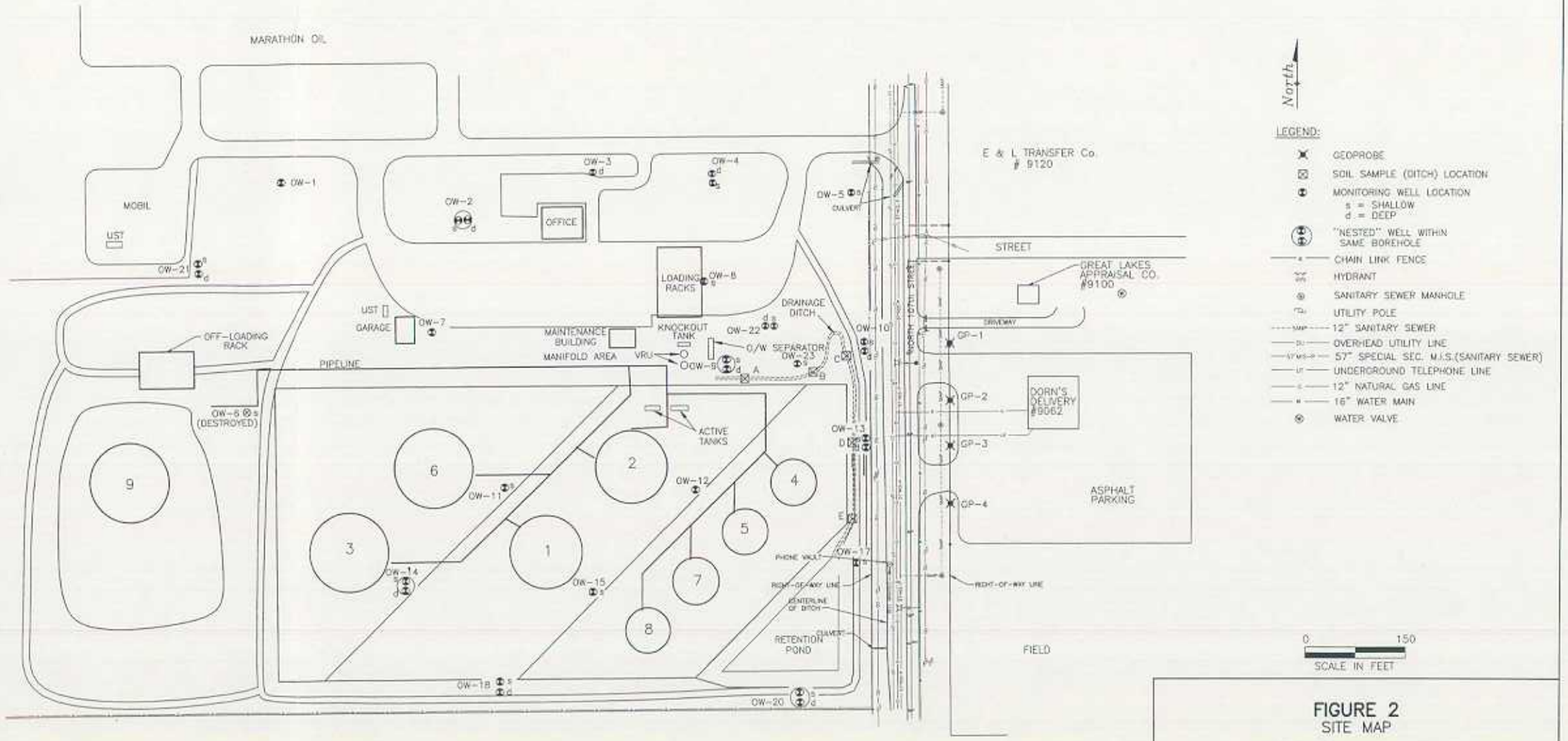


FIGURE 2
SITE MAP

AMOCO GRANVILLE TERMINAL
MILWAUKEE, WISCONSIN

PROJECT NO.	PREPARED BY	DRAWN BY
29315	WH	DD
DATE	REVIEWED BY	FILE NAME
06/30/00		94828SM

Delta Environmental Consultants, Inc.

Table 3
Groundwater Analytical Results
BP Granville Terminal
9101 North 107th Street
Milwaukee, Wisconsin
Delta Project No. G006M

OW-1

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
07/27/89	<2	<2	<2	<4	NA	50	NA	NA	NM	NM	NM
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
10/06/92	<1	<1	<1	<2	NA	<20	<1,000**	<5,000**	NM	NM	NM
10/17/96	<2	<2	<2	<4	<2	<2	<100	NA	0.4	129	0.2
05/13/97	<1	<1	<1	<2	<1	<4	NA	NA	3.7	126	0.2
07/15/02	Well abandoned										

OW-2S

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
07/27/89	<2	2	<2	4	NA	<50	NA	NA	NM	NM	NM
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
10/06/92	<1	<1	<1	<2	NA	<20	<1,000**	<5,000**	NM	NM	NM
05/14/96	<1	<1	<1	<2	<1	<4	<50	NA	1.3	029	2.0
10/17/96	<2	<2	<2	<2	<2	<2	<100	NA	0.8	022	0.8
05/13/97	<1	<1	<1	<2	<1	5	<50	NA	1.1	127	2.0

OW-2D

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
07/27/89	<2	<2	<2	<2	NA	<4	NA	NA	NM	NM	NM
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
10/06/92	<1	<1	<1	<2	NA	<20	<1,000**	<5,000**	NM	NM	NM
05/14/96	<1	<1	<1	<2	<1	<4	<50	NA	1.9	-204	1.0
10/17/96	<2	<2	<2	<2	<2	<2	<100	NA	1.1	036	0.4
05/13/97	<1	<1	<1	<2	1.5	<4	<50	NA	0.7	114	0.4

Table 3
Groundwater Analytical Results
BP Granville Terminal
9101 North 107th Street
Milwaukee, Wisconsin
Delta Project No. G006M

OW-3D

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
07/27/89	<2	<2	<2	<2	NA	<4	NA	NA	NM	NM	NM
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
10/06/92	<1	<1	<1	<2	NA	<20	<1,000**	<5,000**	NM	NM	NM
10/17/96	<2	<2	<2	<2	<2	<2	<100	NA	1.0	120	0.1
10/17/96 D	<2	<2	<2	<2	<2	<2	<100	NA			
05/13/97	<1	<1	<1	<2	<1	<4	<50	NA	1.1	094	1.0

OW-4S

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
10/06/92	<1	<1	<1	<2	NA	<20	<1,000**	<5,000**	NM	NM	NM
05/04/96	<1	<1	<1	<2	<1	<4	<50	NA	18.2	038	1.0
10/17/96	<2	<2	<2	<2	<2	<2	<100	NA	1.0	115	0.3
05/13/97	<1	<1	<1	<2	5.6	<4	71	NA	1.9	082	NM
11/06/97	<1	<1	<1	<2	<1	<4	<50	NA	2.0	075	2.0
11/06/97 D	<1	<1	<1	<2	<1	<4	<50	NA			
08/19/02	<0.13	<0.20	<0.22	0.36	<0.29	<0.16	NA	NA	3.0	140	3.0

OW-4D

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
10/06/92	<1	<1	<1	<2	NA	<20	<1,000**	<5,000**	NM	NM	NM
05/14/96	<1	<1	<1	<2	<1	<4	<50	NA	9.0	063	0.1
10/17/96	<2	<2	<2	<2	<2	<2	<100	NA	0.5	118	0.2
05/13/97	<1	<1	<1	<2	<1	<4	<50	NA	2.7	082	0.5
11/06/97	<1	<1	<1	<2	<1	18	54	NA	2.5	018	0.1
08/19/02	<0.40	<0.20	<0.22	<0.23	<0.29	30	NA	NA	1.6	118	0.0

Table 3
Groundwater Analytical Results
BP Granville Terminal
9101 North 107th Street
Milwaukee, Wisconsin
Delta Project No. G006M

OW-5S

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
10/06/92	<1	<1	<1	<2	NA	<20	<1,000**	<5,000**	NM	NM	NM
05/14/96	<1	<1	<1	<2	<1	<4	<50	NA	7.1	056	1.0
10/17/96	<2	<2	<2	<2	<2	<2	<100	NA	1.1	115	0.2
05/13/97	<1	<1	<1	<2	<1	<4	100	NA	2.9	085	0.3
11/12/97	<1	2.0	<1	<2	<1	<4	55	NA	6.9	161	0.8
07/21/00	<0.10	<0.10	<0.25	<0.25	<0.10	<0.25	NA	NA	1.5	240	NM

OW-6S

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
10/06/92	<1	<1	<1	<2	NA	<20	<1,000**	<5,000**	NM	NM	NM
10/17/96	The well could not be located and is assumed destroyed										

OW-7

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
07/27/89	<2	<2	<2	<2	NA	<4	NA	NA	NM	NM	NM
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
10/06/92	<1	<1	<1	<2	NA	<20	<1,000**	<5,000**	NM	NM	NM
10/17/96	<2	<2	<2	<2	<2	<2	<100	NA	1.1	-072	0.8
05/13/97	8.3	2.4	<1	<2	<1	100	130	NA	1.1	-174	10+
11/13/97	<1	<1	<1	<2	<1	14	53	NA	2.0	039	10+
07/15/02	Well abandoned										

Table 3
Groundwater Analytical Results
BP Granville Terminal
9101 North 107th Street
Milwaukee, Wisconsin
Delta Project No. G006M

OW-8S

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
01/15/91	<1	3 *	<1	<2	NA	NA	NA	NA	NM	NM	NM
08/30/91	1	2	<1	<2	NA	40	<1,000**	<1,000**	NM	NM	NM
10/06/92	<1	<1	<1	<2	NA	40	<1,000**	<5,000**	NM	NM	NM
03/29/93	<1	1 *	<1	<3	NA	30	NA	NA	1.0	NM	0.3
07/05/94	<0.4	<0.6	<0.8	<1.3	<0.7	62	<50	<100	NM	NM	NM
11/17/94	<1	<1	<1	<2	<1	65	<50	<100	2.0	NM	NM
02/23/95	<1	<1	<1	<2	<1	69	<50	<100	NM	NM	0.3
05/17/95	<1	<1	<1	<2	<1	50	<50	<100	2.0	NM	0.2
08/21/95	<1	<1	<1	<2	<1	68	<50	<100	2.0	114	0.1
11/07/95	Not Sampled - Covered By Asphalt										
05/14/96	<1	<1	<1	<2	<1	<4	<50	NA	2.8	023	1.0
10/17/96	<2	<2	<2	<4	<2	41	<100	NA	1.2	123	0.1
05/13/97 #	<100	<100	<100	<200	<100	<400	<5000	NA	1.1	089	0.3
05/13/97 D	<1	<1	<1	<2	<1	77	<50	NA			
11/12/97	<1	<1	<1	<2	<1	95	95	NA	4.6	122	0.7

OW-9S

	Analytical Parameters									Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	n-Propyl-benzene µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard	o Standard			
07/27/89	22,900	15,800	1,520	4,650	NA	5,040	NA	NA	NA	NM	NM	NM
11/16/90	15,200	12,200	959	3,450	NA	NA	NA	NA	NA	NM	NM	NM
01/15/91	30,600	16,900	797	4,020	NA	NA	NA	NA	NA	NM	NM	NM
08/30/91	14,500	10,800	1,080	4,380	NA	2,600	NA	86,000**	3,000**	NM	NM	NM
10/06/92	3,900	2,310	534	1,820	NA	440	NA	12,000**	<5,000**	NM	NM	NM
03/25/93	9,990	2,060	397	1,530	NA	590	NA	62,000	1,000	2.0	NM	10.0
07/05/94	11,000	9,000	710	2,600	660	280	53	38,000	1,900	3.0	NM	10+
11/17/94	20,000	10,000	2,100	4,800	6,800	1,500	NA	110,000	2,700	NM	NM	NM
02/23/95	12,000	6,600	650	1,800	610	770	NA	25,000	2,200	2.0	NM	3.0
05/17/95	7,800	5,500	420	1,400	580	490	NA	20,000	1,400	3.0	NM	0.2
08/21/95	1,900	1,300	140	510	265	150	NA	7,200	2,900	2.0	-104	1.0
11/07/95	3,200	1,900	230	670	301	290	NA	9,500	710	2.5	-001	1.0
05/14/96	2,500	3,100	87	740	154	230	NA	9,300	NA	0.9	-153	1.5
10/17/96	650	290	43	158	60	70	NA	2,200	NA	1.0	-062	1.2
05/13/97	2,200	1,900	150	400	128	480	NA	8,600	NA	1.5	-125	2.5
05/13/97 D	2,100	2,000	120	350	115	380	NA	9,600	NA			
11/13/97	17,000	11,000	740	2,500	370	2,400	NA	33,000	NA	4.2	-035	2.0
07/21/00	3,000	1,500	97	350	75	160	NA	NA	NA	1.3	-122	NM

Table 3
Groundwater Analytical Results
BP Granville Terminal
9101 North 107th Street
Milwaukee, Wisconsin
Delta Project No. G006M

OW-9D

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
07/27/89	82	47	2	9	NA	70	NA	NA	NM	NM	NM
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
01/15/91	<1	2 *	<1	<2	NA	NA	NA	NA	NM	NM	NM
08/30/91	<1	<1	<1	<2	NA	120	<1,000**	<1,000**	NM	NM	NM
10/06/92	51	<1	<1	<3	NA	210	<1,000**	<5,000**	NM	NM	NM
03/25/93	722	<1	<1	<3	NA	260	NA	NA	3.0	NM	0.4
07/05/94	2,700	79	<80	<130	<70	NA	NA	<100	NM	NM	NM
11/17/94	3,500	16	14	40	26	490	4,100	<100	2.0	NM	0.6
02/23/95	3,200	<20	<20	<20	<20	410	3,900	<100	NM	NM	0.8
05/17/95	3,800	<20	<20	<20	<20	480	4,700	270	2.0	NM	0.8
08/21/95	3,000	80	16	100	18	370	3,700	140	1.0	-102	0.1
11/07/95	460	3.7	<1	2.8	<1	79	560	220	0.2	-023	1.0
05/14/96	1,800	<10	<10	<20	<10	200	1,700	NA	1.8	-180	1.0
10/17/96	820	<10	<10	<20	<10	60	970	NA	0.6	-072	1.0
05/13/97	70	<1	<1	<2	<1	40	100	NA	1.2	-137	0.3
11/13/97	1,900	1.2	<1	<2	<1	210	2,000	NA	1.9	-053	4.0

OW-10S

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
11/16/90	10	8	<1	5	NA	NA	NA	NA	NM	NM	NM
01/15/91	417	151	<1	70	NA	NA	NA	NA	NM	NM	NM
08/30/91	1290	32	31	37	NA	<20	3,000**	<1,000**	NM	NM	NM
10/06/92	1140	58	85	40	NA	<20	1,000**	<5,000**	NM	NM	NM
03/25/93	87	2 *	5	<3	NA	<20	NA	NA	1.0	NM	0.4
07/05/94	23	<0.6	<0.8	<1.3	<0.7	9.7	65	<100	NM	NM	NM
11/17/94	2.8	2.8	<1	<2	<1	<4	51	<100	2.5	NM	NM
02/23/95	18	4.1	<1	<2	<1	11	69	<100	2.0	NM	3.0
05/17/95	340	4.8	9.3	8.5	<2	10	440	120	2.0	NM	1.0
08/21/95	30	3.5	1.9	2.7	1.5	<4	91	120	2.0	-035	1.0
11/07/95	91	110	20	58	18	<4	420	170	3.1	007	0.6
05/14/96	49	2.0	3.5	<2	<1	8.6	96	NA	1.3	-060	0.4
10/17/96	50	<2	9	<4	<2	6	190	NA	0.8	-040	0.1
10/17/96 D	19	<2	3	<4	<2	6	<100	NA			
05/13/97	17	8.3	1.9	5.1	4.6	8.8	150	NA	1.7	-090	0.3
11/13/97	3.1	1.2	<1	<2	<1	<4	50	NA	3.8	008	3.0
07/21/00	0.6	<0.10	<0.25	<0.25	<0.10	3.3	NA	NA	0.9	136	NM
08/01/01	2.8	0.24	0.49	0.72	0.28	2.6	NA	NA	2.4	026	NM
11/08/01	<0.13	<0.20	<0.22	<0.23	<0.29	2.7	NA	NA	1.2	169	1.0
02/13/02	<0.13	<0.20	<0.22	<0.23	<0.29	2.1	NA	NA	1.4	NM	NM
08/19/02	<0.13	<0.20	<0.22	<0.23	<0.29	2.0	NA	NA	0.9	147	0.0
02/19/03	<1.0	<1.0	<1.0	<3.0	<2.0	<4.0	NA	NA	0.8	114	NM
08/20/03	<1.0	<1.0	<1.0	<3.0	<2.0	<4.0	NA	NA	2.0	031	0.0
02/25/04	<1.0	<1.0	<1.0	<3.0	<2.0	<4.0	NA	NA	4.6	-087	0.1
08/05/04	<1.0	<1.0	<1.0	<3.0	<2.0	<4.0	NA	NA	1.8	074	0.1

Table 3
Groundwater Analytical Results
BP Granville Terminal
9101 North 107th Street
Milwaukee, Wisconsin
Delta Project No. G006M

OW-10D

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
08/30/91	11	<1	<1	<2	NA	NA	<1,000**	<1,000**	NM	NM	NM
10/06/92	46	3	5	15	NA	<20	<1,000**	<5,000**	NM	NM	NM
03/25/93	42	4	4	10	NA	<20	NA	NA	2.0	NM	1.0
07/05/94	18	<0.7	1.2	<1.2	1.0	4.3	<50	<100	NM	NM	NM
11/17/94	57	<1	<1	14	6.9	<4	120	<100	2.0	NM	NM
02/23/95	40	2.7	4.5	4.0	3.3	6.3	90	<100	2.0	NM	2.0
05/17/95	<1	<1	<1	<2	<1	11	<50	<100	2.0	NM	0.8
08/21/95	50	<1	3.6	<2	<1	12	87	130	1.0	-102	1.0
11/07/95	220	9.9	24	15	26.2	<4	610	160	0.8	-042	1.5
05/14/96	130	<1	10	<2	3	17	240	NA	3.2	-128	2.0
10/17/96	150	<2	10	<4	4	17	340	NA	1.0	-075	0.4
05/13/97	120	<1	18	<2	1.7	17	300	NA	1.2	-155	3.5
11/13/97	24	<1	<1	<2	<1	59	100	NA	1.6	-006	3.0
08/01/01	<0.13	<0.20	<0.22	<0.23	<0.29	83	NA	NA	0.7	-058	NM
11/08/01	0.42	<0.40	<0.44	<0.46	<0.58	95	NA	NA	0.7	138	2.0
02/13/02	0.43	<0.20	<0.22	<0.23	<0.29	110	NA	NA	0.8	NM	NM
08/19/02	<0.13	<0.20	<0.22	0.36	0.27	160	NA	NA	0.6	124	1.0
02/19/03	<1.0	<1.0	<1.0	<3.0	<2.0	220	NA	NA	0.2	-038	NM
08/20/03	120	1.5	35	<3.0	6.0	29	NA	NA	1.0	-119	3.5
02/25/04	3.0	<1.0	<1.0	<3.0	<2.0	<4.0	NA	NA	0.7	-082	1.0
08/05/04	<1.0	<1.0	<1.0	<3.0	<2.0	<4.0	NA	NA	1.3	-073	0.1

OW-11S

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
10/06/92	<1	<1	<1	<2	NA	<20	<1,000**	<5,000**	NM	NM	NM
10/17/96	<2	<2	<2	<2	<2	<2	<100	NA	0.7	-006	0.1
05/13/97 #	100	<100	<100	<200	<100	<400	<5000	NA	2.0	061	0.2
11/12/97	<1	1.1	<1	<2	<1	<4	<50	NA	6.8	214	1.0

Table 3
Groundwater Analytical Results
BP Granville Terminal
9101 North 107th Street
Milwaukee, Wisconsin
Delta Project No. G006M

OW-12

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
07/27/89	<2	<2	<2	5	NA	<50	NA	NA	NM	NM	NM
11/16/90	<1	<1	<1	<3	NA	NA	NA	NA	NM	NM	NM
10/06/92	<1	<1	<1	<3	NA	<20	<1,000**	<5,000**	NM	NM	NM
03/25/93	<1	<1	<1	<3	NA	<20	NA	NA	2.0	NM	0.3
05/14/96	NS	NS	NS	NS	NS	NS	NS	NS	NM	NM	NM
10/17/96	<2	<2	<2	<2	<2	6	<100	NA	0.7	017	0.6
05/13/97	<1	<1	<1	<2	<1	6.8	<50	NA	2.4	004	0.4
11/12/97	<1	1.2	5.6	15	10.4	9	120	NA	4.1	202	0.2
07/21/00	<0.10	<0.10	<0.25	<0.25	<0.10	12	NA	NA	1.1	132	NM
07/15/02	Well abandoned										

OW-13S

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
11/16/90	4	<1	<1	1	NA	NA	NA	NA	NM	NM	NM
01/15/91	72	5 *	<1	<2	NA	NA	NA	NA	NM	NM	NM
08/30/91	521	1	5	<2	NA	50	2,000**	<1,000**	NM	NM	NM
10/06/92	16	<1	<1	<3	NA	<20	<1,000**	<5,000**	NM	NM	NM
03/25/93	12	<1	<1	<3	NA	50	NA	NA	1.0	NM	10.0
07/05/94	670	<15	40	<32	<18	<25	1,800	110	NM	NM	NM
11/17/94	35	1.1	<1	<2	<1	130	180	<100	2.0	NM	NM
02/23/95	3.6	1.3	<1	<2	<1	130	120	<100	3.0	NM	10+
05/17/95	320	2.8	9.0	5.3	<1	81	530	190	2.0	NM	10.0
08/21/95	160	7.2	9.0	4.8	<2	94	440	240	5.0	-115	10+
11/07/95	48	7.8	6.4	10	4.2	150	180	220	0.4	-107	2.0
05/14/96	960	37	91	81	37.6	84	2,300	NA	2.5	-148	10+
10/17/96	68	<2	3	<4	<2	110	340	NA	0.5	-084	10+
05/13/97	610	15	85	37	33.1	79	1,600	NA	2.5	-124	10+
11/06/04	35	<1	1.3	<2	<1	200	260	NA	1.9	-059	10+
07/21/00	200	6.9	11	8.9	2.16	110	NA	NA	0.9	-078	NM
08/01/01	0.37	<0.20	1	<0.23	0.3	100	NA	NA	1.0	-163	NM
11/08/01	120	1.8	1.8	1.4	<0.58	120	NA	NA	0.3	-129	10+
02/13/02	110	1.3	2.4	0.8	0.3	140	NA	NA	0.8	NM	NM
08/19/02	54	0.78	1.5	2.2	0.96	130	NA	NA	0.5	-175	10+
02/19/03	16	<1.0	<1.0	<3.0	<2.0	97	NA	NA	1.0	-086	NM
08/20/03	480	5.7	18	4.5	<2.0	<4.0	NA	NA	1.6	-113	10+
02/25/04	180	<2.0	<2.0	<6.0	<4.0	190	NA	NA	0.6	-124	10.0
08/05/04	450	2.3	<1.0	<3.0	<2.0	110	NA	NA	1.9	-114	10+

Table 3
Groundwater Analytical Results
BP Granville Terminal
9101 North 107th Street
Milwaukee, Wisconsin
Delta Project No. G006M

OW-13D

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
11/16/90	<1	<1	<1	<3	NA	NA	NA	NA	NM	MN	NM
01/15/91	<1	3 *	<1	<3	NA	NA	NA	NA	NM	NM	NM
08/30/91	<1	<1	<1	<3	NA	<20	<1,000**	<1,000**	NM	NM	NM
10/06/92	<1	<1	<1	<3	NA	<20	<1,000**	<5,000**	NM	NM	NM
03/24/93	<1	<1	<1	<3	NA	<20	NA	NA	1.0	NM	0.3
07/05/94	<0.4	<0.6	<0.8	<1.3	<0.7	2.9	<50	<100	NM	NM	NM
11/17/94	<1	<1	<1	<2	<1	<4	<50	<100	3.0	NM	NM
02/23/95	<1	<1	<1	<2	<1	<4	<50	<100	2.0	NM	2.0
05/17/95	<1	<1	<1	<2	<1	<4	<50	<100	2.0	NM	1.0
08/21/95	<1	<1	<1	<2	<1	<4	<50	<100	3.0	-130	2.0
11/07/95	1.8	4.4	<1	3.4	1.5	<4	<50	NA	1.4	-005	10+
05/14/96	<1	<1	<1	<2	<1	<4	<50	NA	1.9	-110	3.0
10/17/96	<2	<2	<2	<4	<2	10	<100	NA	0.4	-104	3.0
05/13/97	<1	<1	<1	<2	<1	5.5	<50	NA	1.3	-177	5.5
11/06/97	<1	<1	<1	<2	<1	<4	<50	NA	1.9	-083	4.0
08/01/01	<0.13	<0.20	3.8	<0.23	<0.29	3.8	NA	NA	1.4	-075	NM
11/08/01	0.13	0.2	<0.22	<0.23	<0.29	3.3	NA	NA	0.4	109	5.0
02/13/02	<0.13	<0.20	<0.22	<0.23	<0.29	3.8	NA	NA	0.8	NM	NM
08/19/02	<0.13	<0.20	<0.22	<0.23	<0.29	3.5	NA	NA	0.5	096	5.0
02/19/03	<1.0	<1.0	<1.0	<3.0	<2.0	<4.0	NA	NA	0.2	-123	NM
08/20/03	<1.0	<1.0	<1.0	<3.0	<2.0	4.9	NA	NA	1.2	-144	4.5
02/25/04	<1.0	<1.0	<1.0	<3.0	<2.0	4.8	NA	NA	0.1	-173	2.0
08/05/04	<1.0	<1.0	<1.0	<3.0	<2.0	5.8	NA	NA	1.2	-139	2.0

OW-14S

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
07/27/89	<2	<2	<2	3	NA	<50	NA	NA	NM	NM	NM
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
10/06/92	<1	<1	<1	<2	NA	<20	<1,000**	<5,000**	NM	NM	NM
05/14/96	NS	NS	NS	NS	NS	NS	NS	NS	NM	NM	NM
10/17/96	<2	<2	<2	<4	<2	4	<100	NA	0.8	078	0.2
05/13/97	<1	<1	<1	<2	<1	5.8	<50	NA	2.0	047	2.0
11/12/97	<1	<1	<1	<2	<1	<4	<50	NA	3.9	233	0.1

Table 3
Groundwater Analytical Results
BP Granville Terminal
9101 North 107th Street
Milwaukee, Wisconsin
Delta Project No. G006M

OW-14D

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
07/27/89	<2	<2	3	2	NA	<50	NA	NA	NM	NM	NM
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
10/06/92	<1	<1	<1	<2	NA	<20	<1,000**	<5,000**	NM	NM	NM
05/14/96	NS	NS	NS	NS	NS	NS	NS	NS	NM	NM	NM
10/17/96	<2	<2	<2	<4	<2	<2	<100	NA	1.1	075	0.1
05/13/97	8.6	4.1	4.4	8.7	3.3	5	59	NA	1.9	075	0.1
11/12/97	<1	<1	<1	<2	<1	<4	<50	NA	4.9	228	0.1
11/12/97 D	<1	<1	<1	<2	<1	<4	60	NA			

OW-15S

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
10/06/92	302	<1	1	4	NA	440	<1,000**	<5,000**	NM	NM	NM
05/14/96	NS	NS	NS	NS	NS	NS	NS	NS	NM	NM	NM
10/17/96	<2	<2	<2	<2	<2	960 E	590	NA	0.5	-109	10+
05/13/97	1.6	<1	<1	<2	<1	1,000	540	NA	2.2	-074	10+
05/13/97 D	1.3	<1	<1	<2	1.0	1,200	570	NA			
11/12/97	<1	<1	<1	<2	2.1	820	420	NA	4.9	026	10+
07/21/00	0.11	<0.10	<0.25	<0.25	0.11	400	NA	NA	0.7	-064	NM

Table 3
Groundwater Analytical Results
BP Granville Terminal
9101 North 107th Street
Milwaukee, Wisconsin
Delta Project No. G006M

OW-17S

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
07/27/89	<2	<2	<2	3	NA	<50	NA	NA	NM	NM	NM
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
08/30/91	<1	<1	<1	<2	NA	<20	<1,000**	<1,000**	NM	NM	NM
10/06/92	<1	<1	<1	<2	NA	<20	<1,000**	<5,000**	NM	NM	NM
03/24/93	<1	<1	<1	<3	NA	<20	NA	NA	1.0	NM	1.0
07/05/94	<0.4	<0.6	<0.8	<1.3	<0.7	1.2	<50	<100	NM	NM	NM
11/17/94	<1	<1	<1	<2	<1	<4	<50	<100	NM	NM	NM
05/17/95	<1	<1	<1	<2	<1	<4	<50	<100	2.0	NM	0.6
08/21/95	<1	<1	<1	<2	<1	4.3	<50	<100	1.0	-090	1.0
11/07/95	<1	<1	<1	<2	<1	<4	<50	<100	0.5	-004	0.9
05/14/96	<1	<1	<1	<2	<1	<4	<50	NA	2.6	-140	2.0
10/17/96	<2	<2	<2	<2	<2	3	<100	NA	1.1	075	0.1
05/13/97	<1	<1	<1	<2	4.6	4.7	<50	NA	1.4	-085	1.5
11/06/97	<1	<1	<1	<2	<1	<4	<50	NA	1.6	-012	1.0
07/21/00	<0.10	0.15	<0.25	<0.25	<0.10	46	NA	NA	0.9	-008	NM

OW-18S

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
10/06/92	<1	<1	<1	<2	NA	<20	<1,000**	<5,000**	NM	NM	NM
10/17/96	<2	<2	<2	<2	<2	<2	<100	NA	2.1	091	0.8
05/13/97	<1	<1	<1	<2	<1	<4	<50	NA	3.6	082	0.6
11/06/97	<1	<1	<1	<2	<1	<4	<50	NA	2.4	088	2.0

OW-18D

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
10/06/92	<1	<1	<1	<2	NA	<20	<1,000**	<5,000**	NM	NM	NM
10/17/96	<2	<2	<2	<2	<2	<2	<100	NA	1.6	085	0.3
05/13/97	<1	<1	2.5	<2	4.1	<4	120	NA	4.0	015	0.3
11/06/97	<1	<1	<1	<2	<1	4.7	<50	NA	2.6	049	1.0

Table 3
Groundwater Analytical Results
BP Granville Terminal
9101 North 107th Street
Milwaukee, Wisconsin
Delta Project No. G006M

OW-20S

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
07/27/89	<2	<2	<2	4	NA	<50	NA	NA	NM	NM	NM
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
10/06/92	<1	<1	<1	<2	NA	<20	<1,000**	<5,000**	NM	NM	NM
10/17/96	<2	<2	<2	<4	<2	<2	<100	NA	0.5	-084	0.4
05/13/97	<1	<1	<1	<2	<1	<4	<50	NA	1.3	060	5.0
11/06/97	<1	<1	<1	<2	<1	<4	<50	NA	3.8	114	1.0
07/21/00	<0.10	0.13	<0.25	<0.25	<0.10	0.44	NA	NA	0.7	-037	NM

OW-20D

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
07/27/89	<2	<2	3	3	NA	<50	NA	NA	NM	NM	NM
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
10/06/92	<1	<1	<1	<2	NA	<20	<1,000**	<5,000**	NM	NM	NM
03/25/93	1	8	1	12	NA	<20	NA	8000	1.0	NM	1.0
07/05/94	<0.4	<0.6	<0.8	<1.3	<0.7	<1.0	<50	<100	NM	NM	NM
11/171994	<1	<1	<1	<2	<1	<4	<50	<100	1.5	NM	2.5
02/23/95	<1	<1	<1	<2	<1	<4	<50	<100	NM	NM	4.0
05/17/95	<1	<1	<1	<2	<1	<4	<50	<100	2.0	NM	0.6
08/21/95	<1	<1	<1	<2	<1	<4	<50	<100	4.0	031	4.0
11/07/95	5.6	11	4.0	9.0	3.9	<4	<50	100	0.4	030	2.0
05/14/96	<1	<1	<1	<2	<1	<4	<50	NA	1.4	-135	3.0
10/17/96	<2	<2	<2	<4	<2	<2	<100	NA	0.2	-103	2.0
10/17/96 D	<2	<2	<2	<4	<2	<2	<100	NA			
11/06/97	<1	<1	<1	<2	<1	<4	<50	NA	1.2	-070	2.0

OW-21S

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
10/06/92	<1	<1	<1	<2	NA	<20	<1,000**	<5,000**	NM	NM	NM
10/17/96	<2	<2	<2	<2	<2	<2	<100	NA	0.9	130	0.3
05/13/97	<1	<1	<1	<2	<1	<4	<50	NA	1.1	095	0.1

Table 3
Groundwater Analytical Results
BP Granville Terminal
9101 North 107th Street
Milwaukee, Wisconsin
Delta Project No. G006M

OW-21D

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
11/16/90	<1	<1	<1	<2	NA	NA	NA	NA	NM	NM	NM
10/06/92	<1	<1	<1	<2	NA	<20	<1,000**	<5,000**	NM	NM	NM
10/17/96	<2	<2	<2	<4	<2	<2	<100	NA	0.4	-059	0.9
05/13/97	<1	<1	<1	<2	<1	<4	<50	NA	1.2	-009	1.0

OW-22S

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	5	1,000	700	10,000	480	60	No Standard	No Standard			
11/16/90	4	<1	<1	1	NA	NA	NA	NA	NM	NM	NM
01/15/91	2,320	747	70	332	NA	NA	NA	NA	NM	NM	NM
08/30/91	2,270	98	126	121	NA	80	7,000**	<1,000**	NM	NM	NM
10/06/92	1,120	22	140	48	NA	40	1,000**	<5,000**	NM	NM	NM
03/25/93	443	2 *	30	2	NA	30	NA	NA	1.0	NM	6.0
07/05/94	900	140	94	210	35	160	2,200	150	NM	NM	NM
11/17/94	620	83	74	72	26.5	240	1,300	440	3.0	NM	NM
02/23/95	79	4.7	14	3.8	5.4	170	510	<100	2.0	NM	5.0
05/17/95	490	27	95	50	20	210	1,100	190	2.0	NM	0.2
08/21/95	1,600	49	320	67	102	300	5,200	620	2.0	-063	1.0
11/07/95	250	9.8	22	8.8	6.8	190	590	330	1.2	010	1.5
05/14/96	150	5.0	99	4.4	20	38	820	NA	1.5	-110	2.0
10/17/96	74	5	19	<4	8.0	71	470	NA	0.8	-058	5.0
05/13/97	5.5	<1	<1	<2	<1	37	73	NA	1.3	-079	2.0
11/12/97	8.1	1.2	3.3	3.1	2.1	83	120	NA	3.5	-016	5.0
07/21/00	1.6	<0.10	0.45	<0.25	0.15	14	NA	NA	0.8	070	NM

Table 3
Groundwater Analytical Results
BP Granville Terminal
9101 North 107th Street
Milwaukee, Wisconsin
Delta Project No. G006M

OW-22D

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	**5**	**1,000**	**700**	**10,000**	**480**	**60**	**No Standard**	**No Standard**			
11/16/90	**1,120**	230	2	82	NA	NA	NA	NA	NM	NM	NM
01/15/91	**2,200**	203	7	110	NA	NA	NA	NA	NM	NM	NM
08/30/91	**4,050**	**1,250**	183	373	NA	**150**	15,000**	<1,000**	NM	NM	NM
10/06/92	**2,410**	41	490	508	NA	**130**	4,000**	<5,000**	NM	NM	NM
03/25/93	**966**	28	158	83	NA	**480**	2,000	NA	1.0	NM	3.0
07/05/94	**1,100**	330	280	250	51	**1,000**	4,400	260	NM	NM	NM
11/17/94	**1,200**	82	300	240	70	**1,200**	3,700	390	2.0	NM	NM
02/23/95	**510**	16	130	<10	40.6	**820**	1,600	140	2.0	NM	4.0
05/17/95	**1,100**	200	190	210	60.0	**1,000**	2,600	550	1.0	NM	3.0
08/21/95	**1,300**	33	220	180	64	**1,500**	3,400	650	2.0	-061	7.0
11/07/95	**290**	27	57	60	25.5	**390**	970	230	0.8	000	1.5
05/14/96	**770**	61	180	170	58	**800**	2,600	NA	1.7	-137	4.0
10/17/96	**1,300**	67	380	320	100	**870**	4,800	NA	0.7	-085	9.1
05/13/97	**1,500**	260	430	580	215	**1,300**	6,100	NA	1.3	-147	8.0
11/12/97	**1,300**	83	440	630	289	**1,700**	5,800	NA	2.8	-035	10+

Table 3
Groundwater Analytical Results
BP Granville Terminal
9101 North 107th Street
Milwaukee, Wisconsin
Delta Project No. G006M

OW-23S

	Analytical Parameters								Bio-Parameters		
Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Total TMBs µg/L	MTBE µg/L	GRO µg/L	DRO µg/L	DO ppm	REDOX milli Volts	Soluble Iron ppm
NR 140 ES-->	**5**	**1,000**	**700**	**10,000**	**480**	**60**	**No Standard**	**No Standard**			
11/16/90	**12,800**	**9,850**	346	769	NA	NA	NA	NA	NM	NM	NM
01/15/91	**22,100**	**14,500**	**761**	3,630	NA	NA	NA	NA	NM	NM	NM
08/30/91	**12,100**	**8,850**	662	2,630	NA	**170**	60,000**	1,000**	NM	NM	NM
10/06/92	**8,440**	**7,890**	**1,050**	4,000	NA	**120**	24,000**	<5,000**	NM	NM	NM
03/25/93	**24,400**	**15,600**	**1,030**	4,010	NA	**140**	147,000	2,000	2.0	NM	10.0
07/05/94	**25,000**	**15,000**	**1,200**	4,700	**730**	**<1000**	65,000	4,300	NM	NM	NM
11/17/94	**27,000**	**17,000**	**1,400**	5,900	**1,610**	**<400**	73,000	4,800	3.0	NM	1.0
02/23/95	**28,000**	**19,000**	**1,500**	6,300	**2,420**	**<400**	78,000	2,500	2.5	NM	6.0
05/17/95	**22,000**	**4,100**	**3,900**	4,500	**1,480**	**22,000**	61,000	5,600	2.0	NM	10.0
08/21/95	**26,000**	**18,000**	**1,500**	6,400	**1,980**	**<800**	71,000	11,000	2.0	-111	9.0
11/07/95	**22,000**	**14,000**	**1,600**	5,800	**1,730**	**<400**	67,000	11,000	0.8	-026	10+
05/14/96	**20,000**	**16,000**	**1,200**	4,700	**1,400**	**<400**	57,000	NA	0.7	-140	2.5
10/17/96	**24,000**	**21,000**	**1,500**	5,900	**1,430**	**440**	77,000	NA	0.5	-071	6.9
05/13/97	**18,000**	**13,000**	**1,100**	4,500	**1,260**	**<800**	71,000	NA	1.1	-106	8.0
11/13/97	**21,000**	**6,000**	**1,400**	5,900	**1,560**	**<400**	45,000	NA	2.6	-064	10+
07/21/00	**20,000**	**2,200**	**880**	3,400	**1,030**	**130**	NA	NA	1.3	-122	NM
07/21/00 D	**19,000**	**3,300**	**1,500**	5,600	**1,620**	**160**	NA	NA			
08/01/01	**15,000**	**2,600**	**1,200**	3,500	**1,290**	<18	NA	NA	1.6	-163	NM
08/01/01 D	**15,000**	**2,800**	**1,300**	3,800	**1,400**	<29	NA	NA			
11/08/01	**19,000**	**6,600**	**1,600**	5,600	**1,920**	<170	NA	NA	0.2	-106	10+
11/08/01 D	**18,000**	**6,500**	**1,500**	5,500	**1,940**	<210	NA	NA			
02/13/02	**19,000**	**17,000**	**1,600**	6,100	**1,740**	<84	NA	NA	0.7	NM	NM
02/13/02 D	**18,000**	**15,000**	**1,500**	5,700	**1,620**	<86	NA	NA			
08/19/02	**15,000**	**13,000**	**1,400**	5,300	**1,600**	<50	NA	NA	0.1	-138	10+
08/19/02 D	**16,000**	**12,000**	**1,400**	5,300	**1,600**	<54	NA	NA			
02/19/03	**16,000**	**7,600**	**1,700**	6,000	**1,900**	<400	NA	NA	NM	NM	NM
02/19/03 D	**16,000**	**7,700**	**1,700**	6,300	**2,030**	<400	NA	NA			
08/20/03	**14,000**	**11,000**	**1,800**	5,600	**1,600**	<800	NA	NA	1.2	-079	9.5
08/20/03 D	**14,000**	**9,900**	**1,700**	6,200	**1,500**	<800	NA	NA			
02/25/04	**14,000**	**11,000**	**1,600**	6,500	**1,400**	<400	NA	NA	0.2	-180	4.0
02/25/04 D	**14,000**	**12,000**	**1,600**	6,600	**1,400**	<400	NA	NA			
08/05/04	**12,000**	**7,600**	**1,600**	5,800	**2,000**	<200	NA	NA	0.9	-089	10
08/05/04 D	**12,000**	**8,300**	**1,600**	5,900	**1,980**	<200	NA	NA			

NOTES:
< = Not detected at or above the indicated laboratory method detection limit
* = Possible false detection. 1/15/90 - Equipment blank detected 3 ug/L toluene; 3/93 - Trip blank reported 0.001 ug/L
** = Analyzed for Total Petroleum Hydrocarbons (TPH) as Gasoline and TPH as Distillate
# = Laboratory QA/QC problems
µg/L = Micrograms per liter (equivalent to parts per billion)
D = Duplicate sample for indicated date
DO = Dissolved Oxygen
DRO = Diesel Range Organics
E = The concentration reported for this compound exceeds the calibration range of the instrument
GRO = Gasoline Range Organics
MTBE = Methyl Tertiary Butyl Ether
NA = Not Analyzed for indicated parameter
NM = Not Measured
NR 140 ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard
NS = Not Sampled
ppm = parts per million
Redox = Reduction/Oxidation potential
TMBs = Trimethylbenzenes
"BOLD TYPE" = The indicated concentration exceeds the NR 140 ES

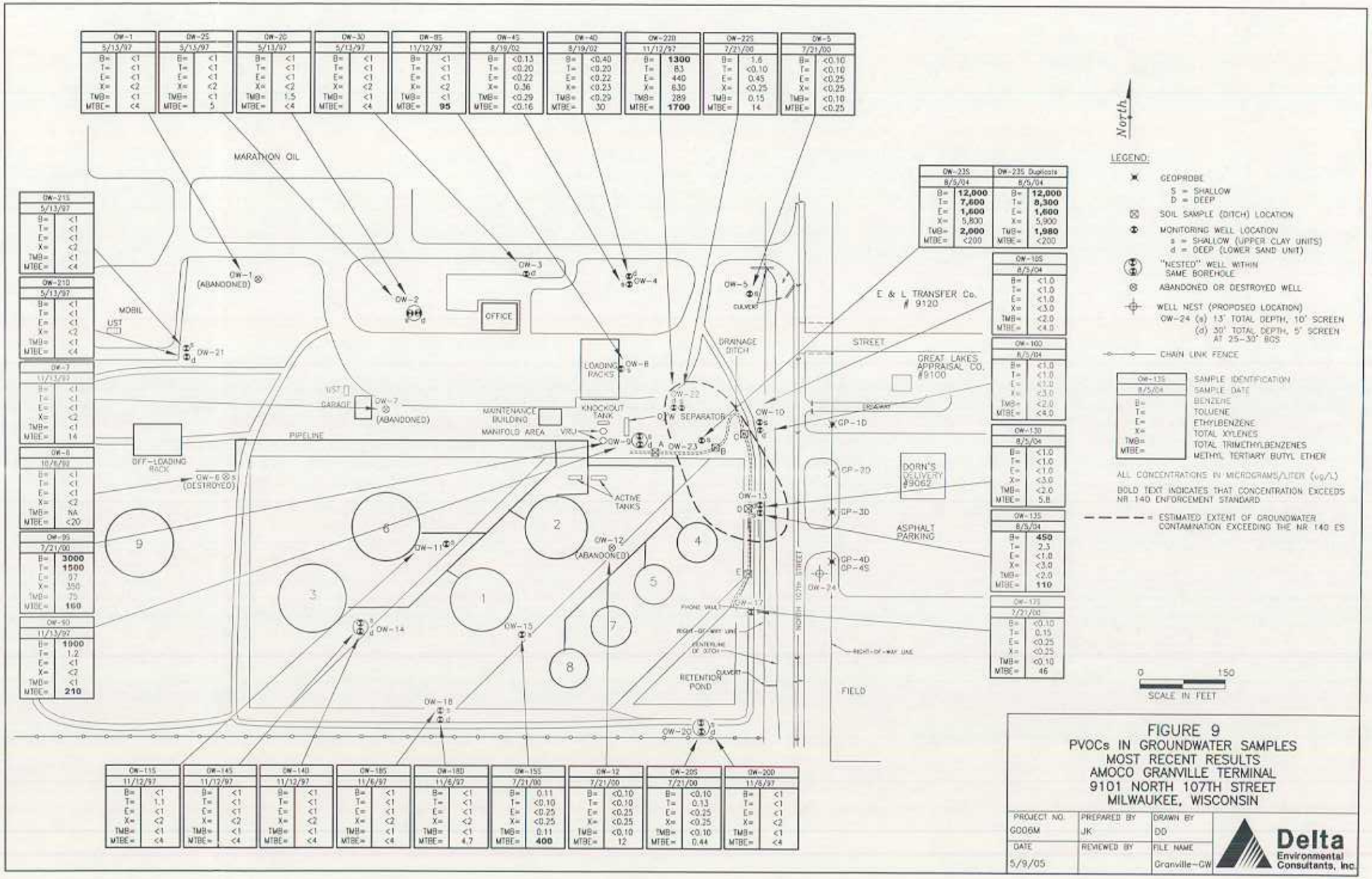
Table 2
Soil Sample Analytical Results Summary

BP Granville Terminal
9101 North 107th Street
Milwaukee, Wisconsin
Delta Project No. G006M

			ANALYTICAL PARAMETERS					
Sample ID	Date Sampled	Sample Depth Feet	Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Xylenes mg/kg	MTBE mg/kg	GRO mg/kg
		NR 720 RCL-->	**0.0055**	**1.5**	**2.9**	**4.1**	**No Standard**	**No Standard**
		NR 746 SSL-->	8.5	38	4.6	42	No Standard	No Standard
		NR 746 Direct Contact Std.-->	1.1	No Standard	No Standard	No Standard	No Standard	No Standard
OW-5S	10/26/90	- -	<0.05	0.09	0.06	0.25	NA	NA
OW-6S	10/26/90	11 - 13	<0.05	0.08	<0.05	<0.10	NA	NA
OW-8S	10/26/90	5 - 7	<0.05	0.05	<0.05	0.07	NA	NA
OW-10D	10/26/90	4 - 6	**0.17**	0.85	0.77	2.76	NA	NA
OW-11S	10/26/90	11 - 13	<0.05	<0.05	<0.05	<0.10	NA	NA
OW-13D	10/26/90	3 - 5	<0.05	<0.05	<0.05	<0.10	NA	NA
OW-15S	10/26/90	7 - 9	<0.05	<0.05	<0.05	<0.10	NA	NA
OW-22D	10/26/90	6 - 8	**0.08**	**4.24**	2.04	8.91	NA	NA
OW-23S	10/26/90	2 - 4	**0.20**	**9.80**	**3.71**	**16.9**	NA	NA
Ditch A	10/26/90	--	**0.11**	0.05	0.25	0.24	NA	NA
Ditch B	10/26/90	--	**0.26**	0.05	0.19	0.19	NA	NA
Ditch C	10/26/90	--	<0.05	<0.05	<0.05	<0.10	NA	NA
Ditch D	10/26/90	--	<0.05	<0.05	<0.05	0.05	NA	NA
Ditch E	10/26/90	--	<0.05	<0.05	<0.05	0.57	NA	NA
GP-1	07/16/97	5	<0.029	<0.029	<0.029	<0.087	0.071	<5.8
GP-2	07/16/97	5	<0.029	<0.029	<0.029	<0.087	0.074	<5.8
GP-3	07/16/97	5	<0.029	<0.029	<0.029	<0.087	0.072	<5.8

NOTES:

< ..... = Not detected at or above the laboratory method detection limit
GRO ..... = Gasoline Range Organics
J ..... = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
mg/kg ..... = milligrams per kilogram (equivalent to parts per million)
MTBE ..... = Methyl Tertiary Butyl Ether
NA ..... = Not Analyzed for the indicated parameter
ppm ..... = parts per million
TMB ..... = Trimethylbenzene
NR 720 RCL ..... = Wisconsin Administrative Code Chapter NR 720 Non-Industrial Generic Residual Contaminant Level
NR 746 SSL ..... = Wisconsin Administrative Code Chapter NR 746 Table 1 Soil Screening Level
NR 746 Direct Contact Std ..... = Wisconsin Administrative Code Chapter NR 746 Table 2 Direct Contact Standard (0 - 4 ft)
"BOLD TYPE" ..... = The indicated concentration exceeds the NR 746 SSL
"BOLD TYPE" ..... = The indicated concentration exceeds the NR 720 RCL



OW-1	5/13/97
B=	<1
T=	<1
E=	<1
X=	<2
TMB=	<1
MTBE=	<4

OW-2S	5/13/97
B=	<1
T=	<1
E=	<1
X=	<2
TMB=	<1
MTBE=	5

OW-2D	5/13/97
B=	<1
T=	<1
E=	<1
X=	<2
TMB=	1.5
MTBE=	<4

OW-3D	5/13/97
B=	<1
T=	<1
E=	<1
X=	<2
TMB=	<1
MTBE=	<4

OW-8S	11/12/97
B=	<1
T=	<1
E=	<1
X=	<2
TMB=	<1
MTBE=	95

OW-4S	8/19/02
B=	<0.13
T=	<0.20
E=	<0.22
X=	0.36
TMB=	<0.29
MTBE=	<0.16

OW-4D	8/19/02
B=	<0.40
T=	<0.20
E=	<0.22
X=	<0.23
TMB=	<0.29
MTBE=	30

OW-22D	11/12/97
B=	1300
T=	83
E=	440
X=	630
TMB=	289
MTBE=	1700

OW-22S	7/21/00
B=	1.6
T=	<0.10
E=	0.45
X=	<0.25
TMB=	0.15
MTBE=	14

OW-5	7/21/00
B=	<0.10
T=	<0.10
E=	<0.25
X=	<0.25
TMB=	<0.10
MTBE=	<0.25

OW-21S	5/13/97
B=	<1
T=	<1
E=	<1
X=	<2
TMB=	<1
MTBE=	<4

OW-21D	5/13/97
B=	<1
T=	<1
E=	<1
X=	<2
TMB=	<1
MTBE=	<4

OW-7	11/13/97
B=	<1
T=	<1
E=	<1
X=	<2
TMB=	<1
MTBE=	14

OW-6	10/6/99
B=	<1
T=	<1
E=	<1
X=	<2
TMB=	NA
MTBE=	<20

OW-9S	7/21/00
B=	3000
T=	1500
E=	97
X=	350
TMB=	75
MTBE=	160

OW-9D	11/13/97
B=	1000
T=	1.2
E=	<1
X=	<2
TMB=	<1
MTBE=	210

OW-23S	8/5/04
B=	12,000
T=	7,600
E=	1,600
X=	5,800
TMB=	2,000
MTBE=	<200

OW-23S Duplicate	8/5/04
B=	12,000
T=	8,300
E=	1,600
X=	5,900
TMB=	1,980
MTBE=	<200

OW-10S	8/5/04
B=	<1.0
T=	<1.0
E=	<1.0
X=	<3.0
TMB=	<2.0
MTBE=	<4.0

OW-10D	8/5/04
B=	<1.0
T=	<1.0
E=	<1.0
X=	<3.0
TMB=	<2.0
MTBE=	<4.0

OW-13D	8/5/04
B=	<1.0
T=	<1.0
E=	<1.0
X=	<3.0
TMB=	<2.0
MTBE=	5.8

OW-13S	8/5/04
B=	450
T=	2.3
E=	<1.0
X=	<3.0
TMB=	<2.0
MTBE=	110

OW-17S	7/21/00
B=	<0.10
T=	0.15
E=	<0.25
X=	<0.25
TMB=	<0.10
MTBE=	46

OW-11S	11/12/97
B=	<1
T=	1.1
E=	<1
X=	<2
TMB=	<1
MTBE=	<4

OW-14S	11/12/97
B=	<1
T=	<1
E=	<1
X=	<2
TMB=	<1
MTBE=	<4

OW-14D	11/12/97
B=	<1
T=	<1
E=	<1
X=	<2
TMB=	<1
MTBE=	<4

OW-18S	11/6/97
B=	<1
T=	<1
E=	<1
X=	<2
TMB=	<1
MTBE=	<4

OW-18D	11/6/97
B=	<1
T=	<1
E=	<1
X=	<2
TMB=	<1
MTBE=	4.7

OW-15S	7/21/00
B=	0.11
T=	<0.10
E=	<0.25
X=	<0.25
TMB=	0.11
MTBE=	400

OW-12	7/21/00
B=	<0.10
T=	<0.10
E=	<0.25
X=	<0.25
TMB=	<0.10
MTBE=	12

OW-20S	7/21/00
B=	<0.10
T=	0.13
E=	<0.25
X=	<0.25
TMB=	<0.10
MTBE=	0.44

OW-20D	11/6/97
B=	<1
T=	<1
E=	<1
X=	<2
TMB=	<1
MTBE=	<4

FIGURE 9
PVOCs IN GROUNDWATER SAMPLES
MOST RECENT RESULTS
AMOCO GRANVILLE TERMINAL
9101 NORTH 107TH STREET
MILWAUKEE, WISCONSIN

PROJECT NO.	PREPARED BY	DRAWN BY
G006M	JK	DD
DATE	REVIEWED BY	FILE NAME
5/9/05		Granville-GW

Delta Environmental Consultants, Inc.

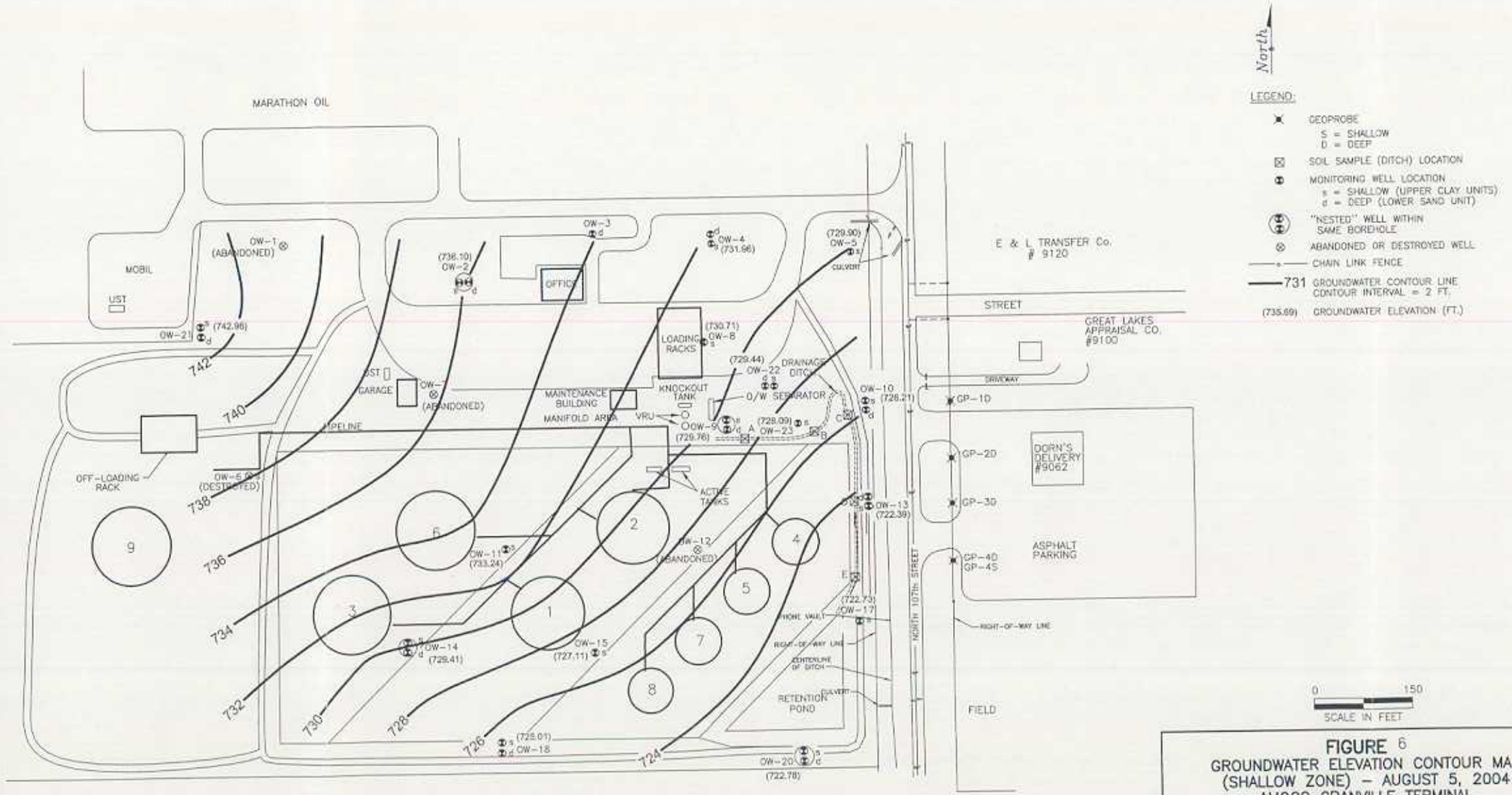


FIGURE 6
GROUNDWATER ELEVATION CONTOUR MAP (SHALLOW ZONE) – AUGUST 5, 2004
AMOCO GRANVILLE TERMINAL
9101 NORTH 107TH STREET
MILWAUKEE, WISCONSIN

PROJECT NO.	PREPARED BY	DRAWN BY
G0-08M	LR	DO
DATE	REVIEWED BY	FILE NAME
10/15/04		Granville-1

Delta Environmental Consultants, Inc.

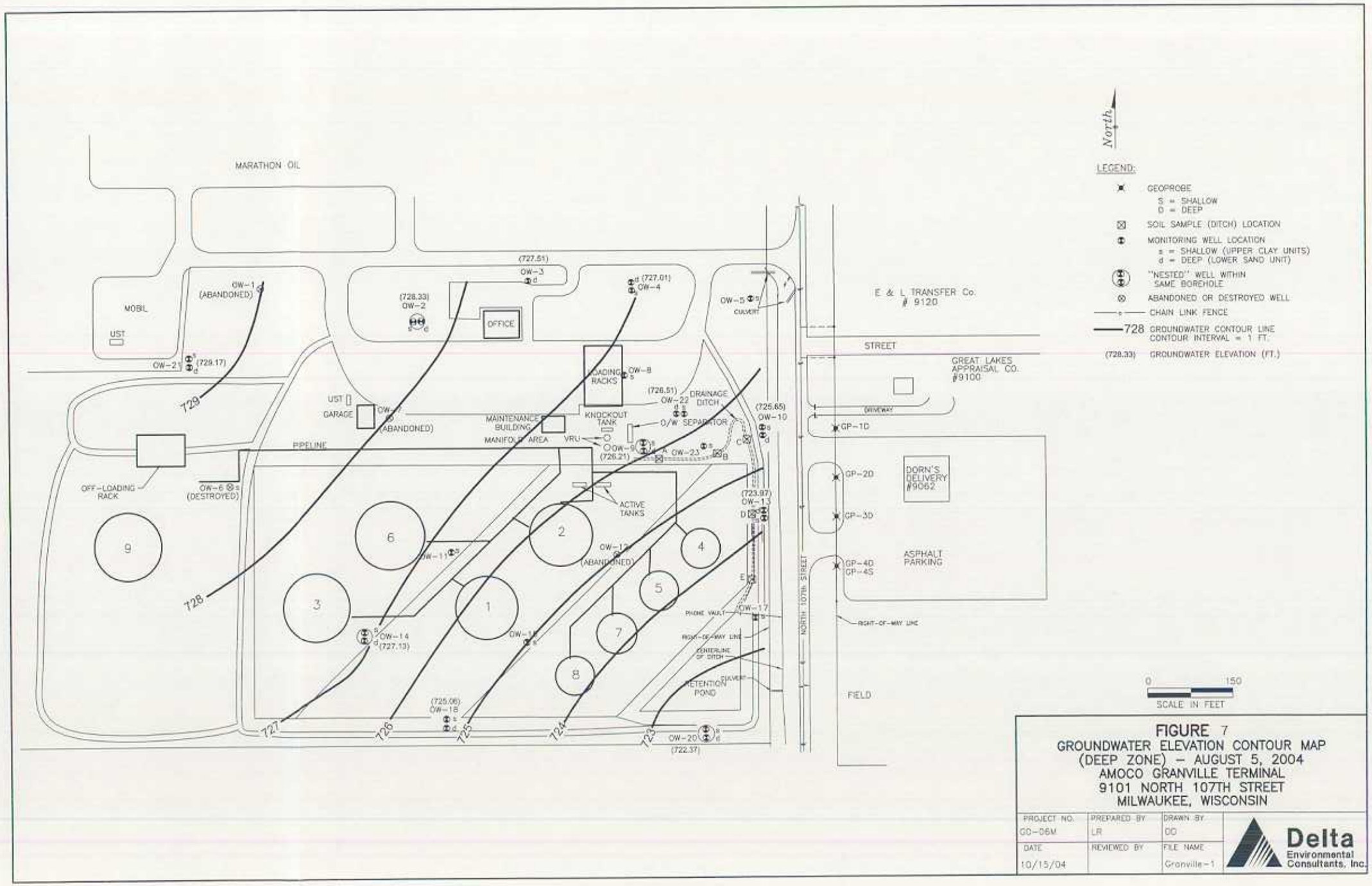


FIGURE 7
GROUNDWATER ELEVATION CONTOUR MAP
(DEEP ZONE) – AUGUST 5, 2004
AMOCO GRANVILLE TERMINAL
9101 NORTH 107TH STREET
MILWAUKEE, WISCONSIN

PROJECT NO.	PREPARED BY	DRAWN BY
GD-06M	LR	DD
DATE	REVIEWED BY	FILE NAME
10/15/04		Granville-1

Delta Environmental Consultants, Inc.

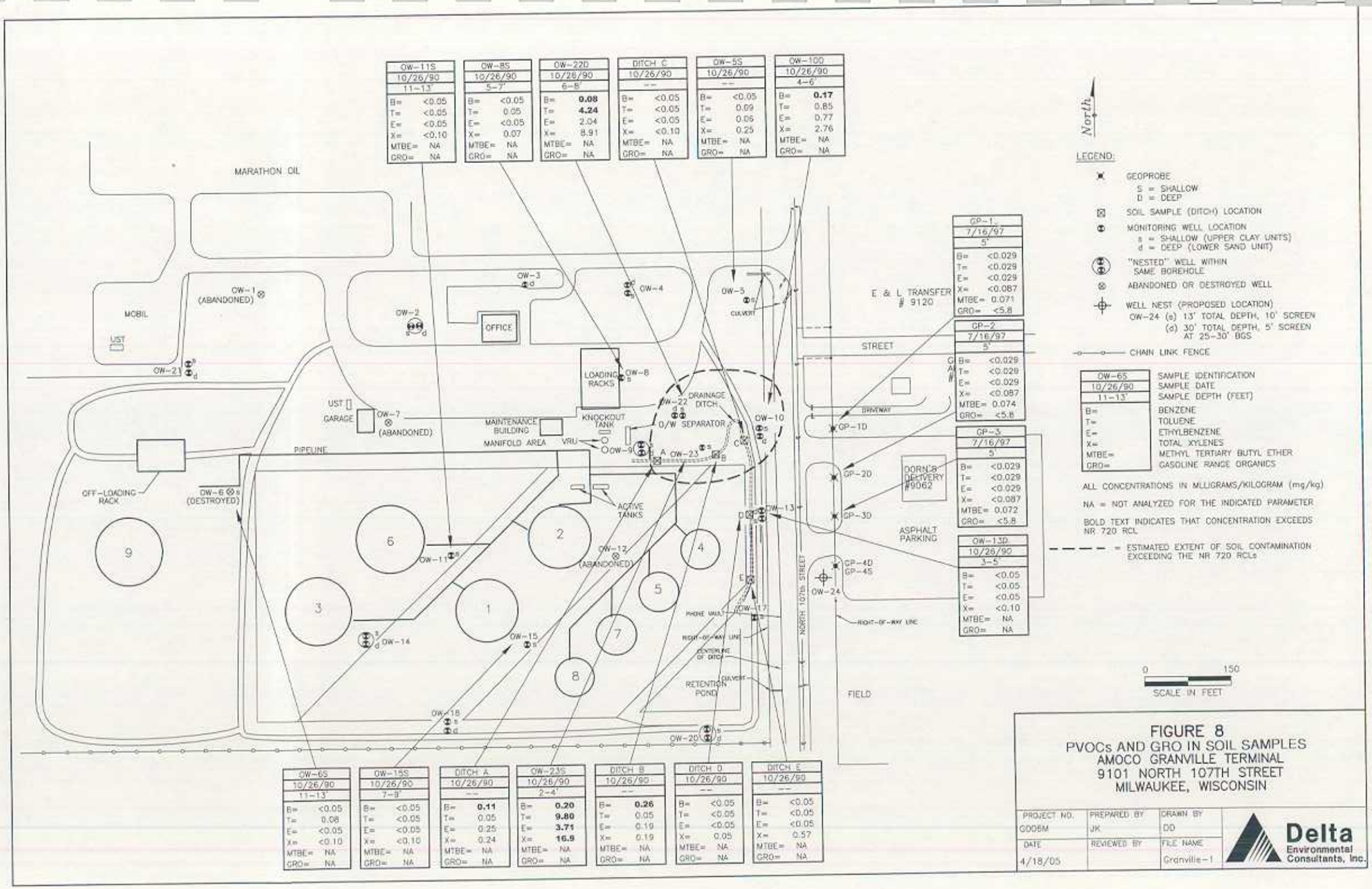


FIGURE 8
PVOCs AND GRO IN SOIL SAMPLES
AMOCO GRANVILLE TERMINAL
9101 NORTH 107TH STREET
MILWAUKEE, WISCONSIN

PROJECT NO.	PREPARED BY	DRAWN BY
G006M	JK	DD
DATE	REVIEWED BY	FILE NAME
4/18/05		Granville-1

Delta Environmental Consultants, Inc.

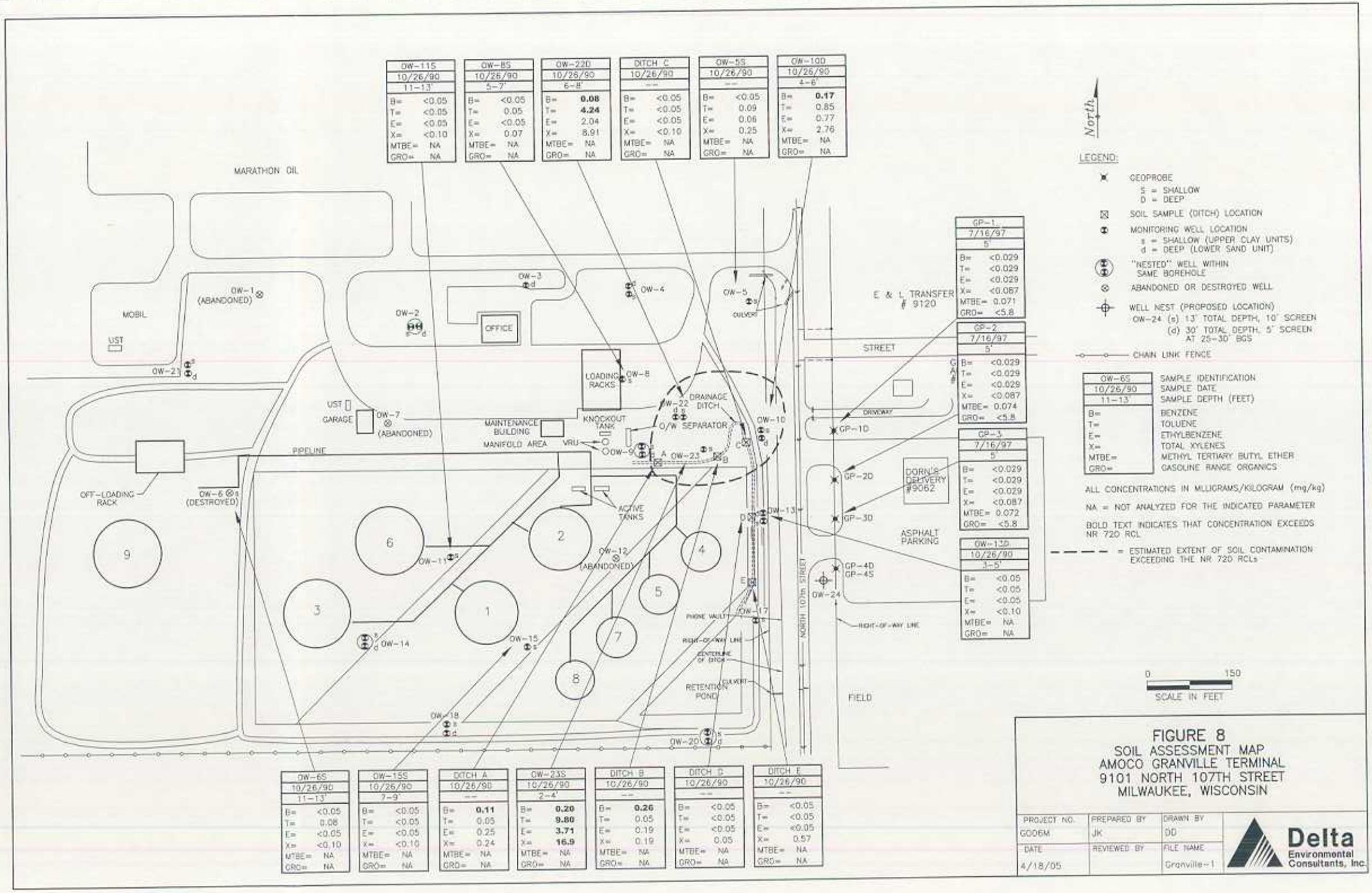
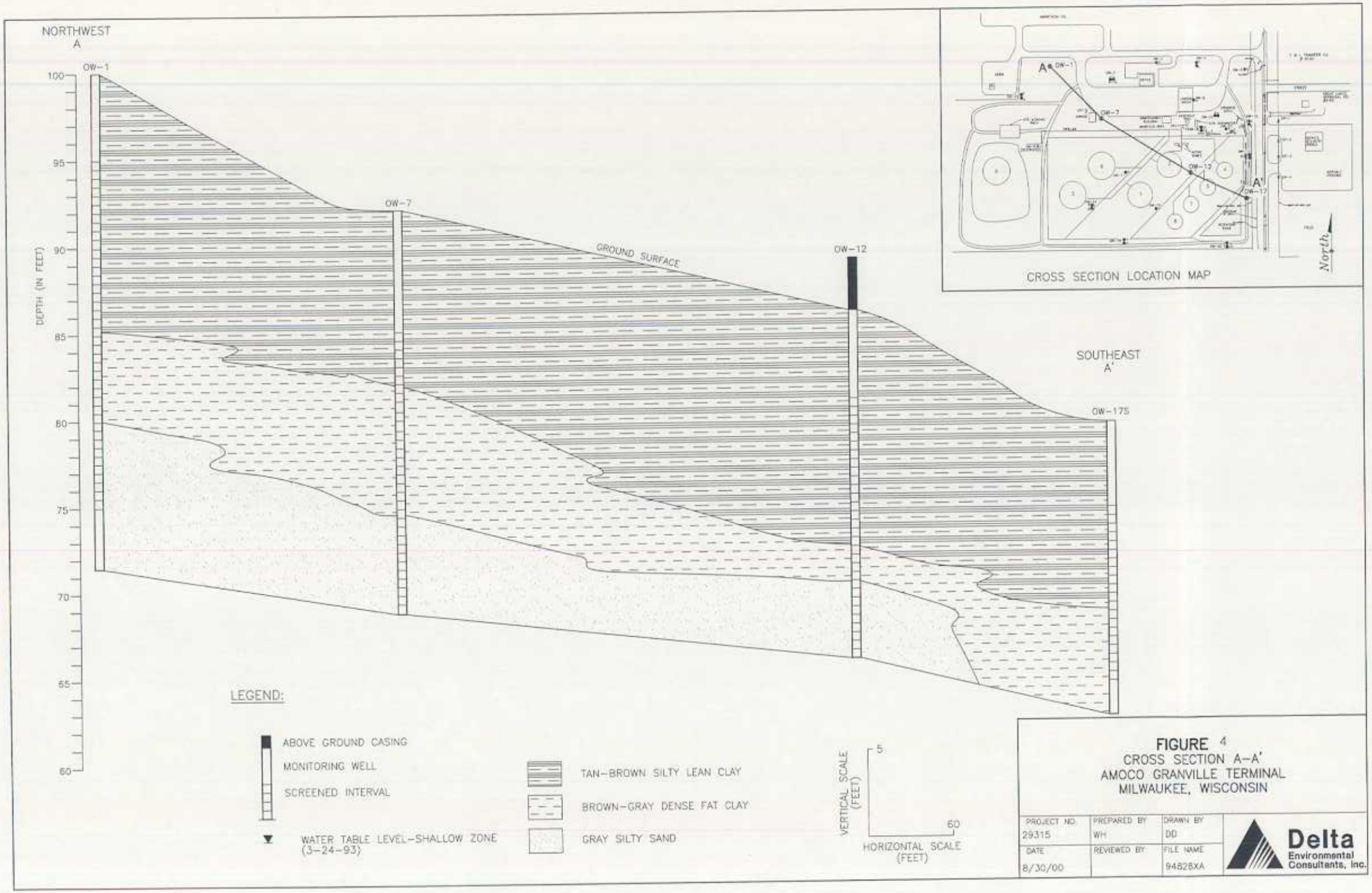
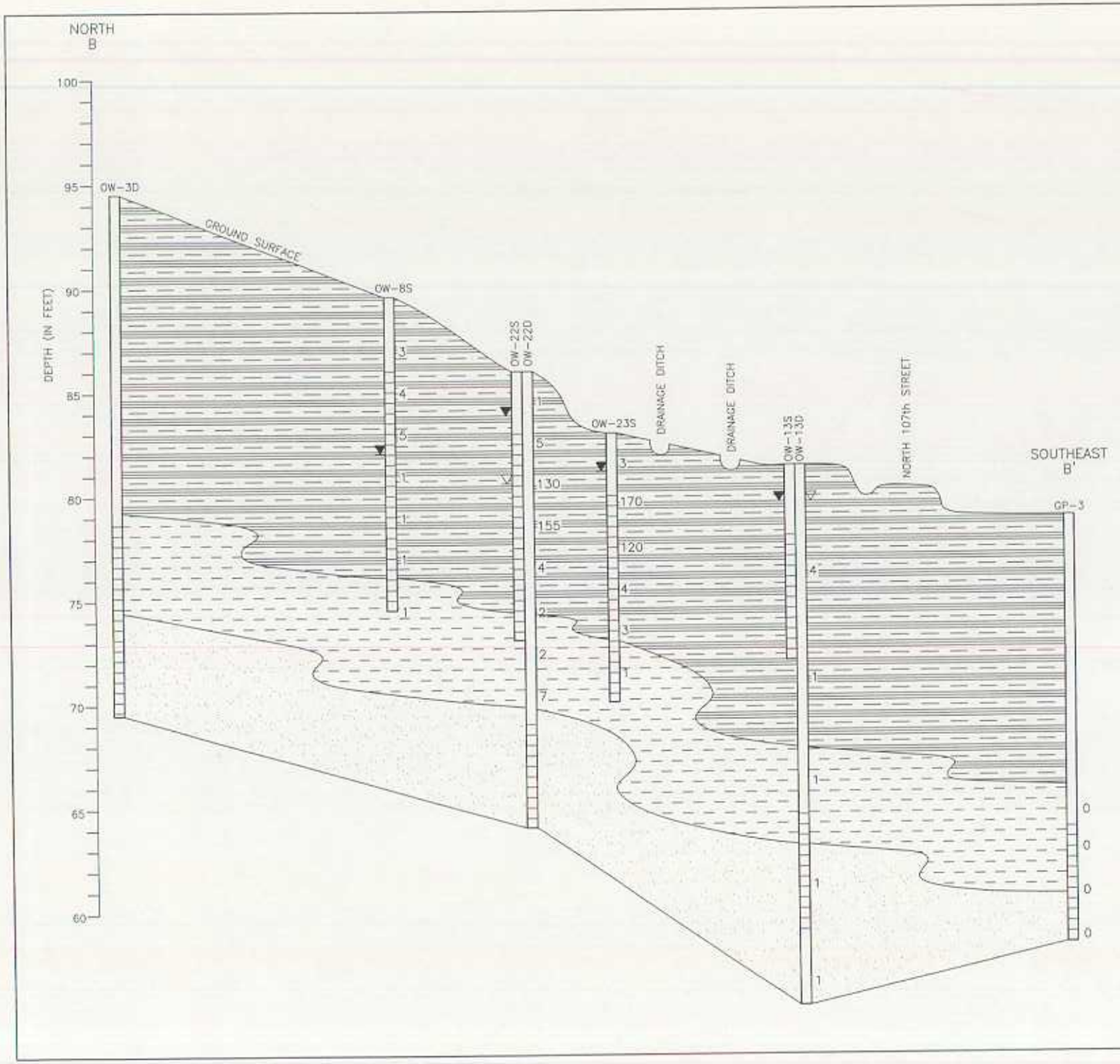


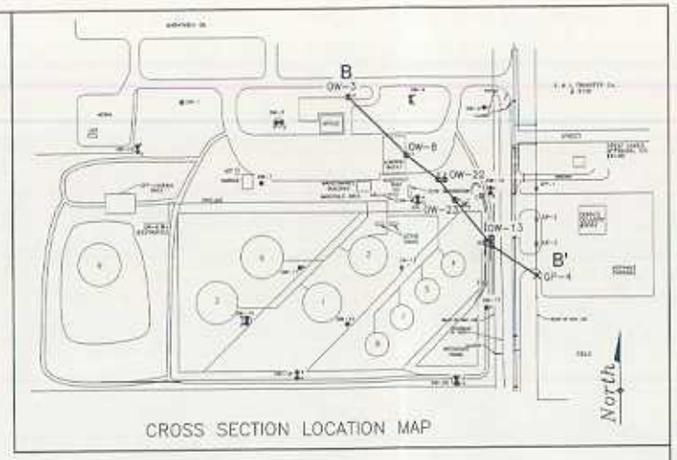
FIGURE 8
SOIL ASSESSMENT MAP
AMOCO GRANVILLE TERMINAL
9101 NORTH 107TH STREET
MILWAUKEE, WISCONSIN

PROJECT NO.	PREPARED BY	DRAWN BY
GOO6M	JK	DD
DATE	REVIEWED BY	FILE NAME
4/18/05		Granville-1

Delta Environmental Consultants, Inc.


NORTHWEST
A
OW-1
OW-7
OW-12
OW-175
GROUND SURFACE
SOUTHEAST
A'
DEPTH (IN FEET)
100
95
90
85
80
75
70
65
60
LEGEND:
ABOVE GROUND CASING
MONITORING WELL
SCREENED INTERVAL
WATER TABLE LEVEL-SHALLOW ZONE (3-24-93)
TAN-BROWN SILTY LEAN CLAY
BROWN-GRAY DENSE FAT CLAY
GRAY SILTY SAND
VERTICAL SCALE (FEET)
5
60
HORIZONTAL SCALE (FEET)
CROSS SECTION LOCATION MAP
North
FIGURE 4
CROSS SECTION A-A'
AMOCO GRANVILLE TERMINAL
MILWAUKEE, WISCONSIN
PROJECT NO. 29315
PREPARED BY WH
DRAWN BY DD
DATE 8/30/00
REVIEWED BY
FILE NAME 94828XA
Delta Environmental Consultants, Inc.





CROSS SECTION LOCATION MAP

LEGEND:

- MONITORING WELL
- 0.0 PID READINGS
- SCREENED INTERVAL
- WATER LEVEL-DEEP ZONE (3-24-93)
- WATER TABLE LEVEL-SHALLOW ZONE (3-24-93)
- TAN-BROWN SILTY LEAN CLAY
- BROWN-GRAY DENSE FAT CLAY
- GRAY SILTY CLAY

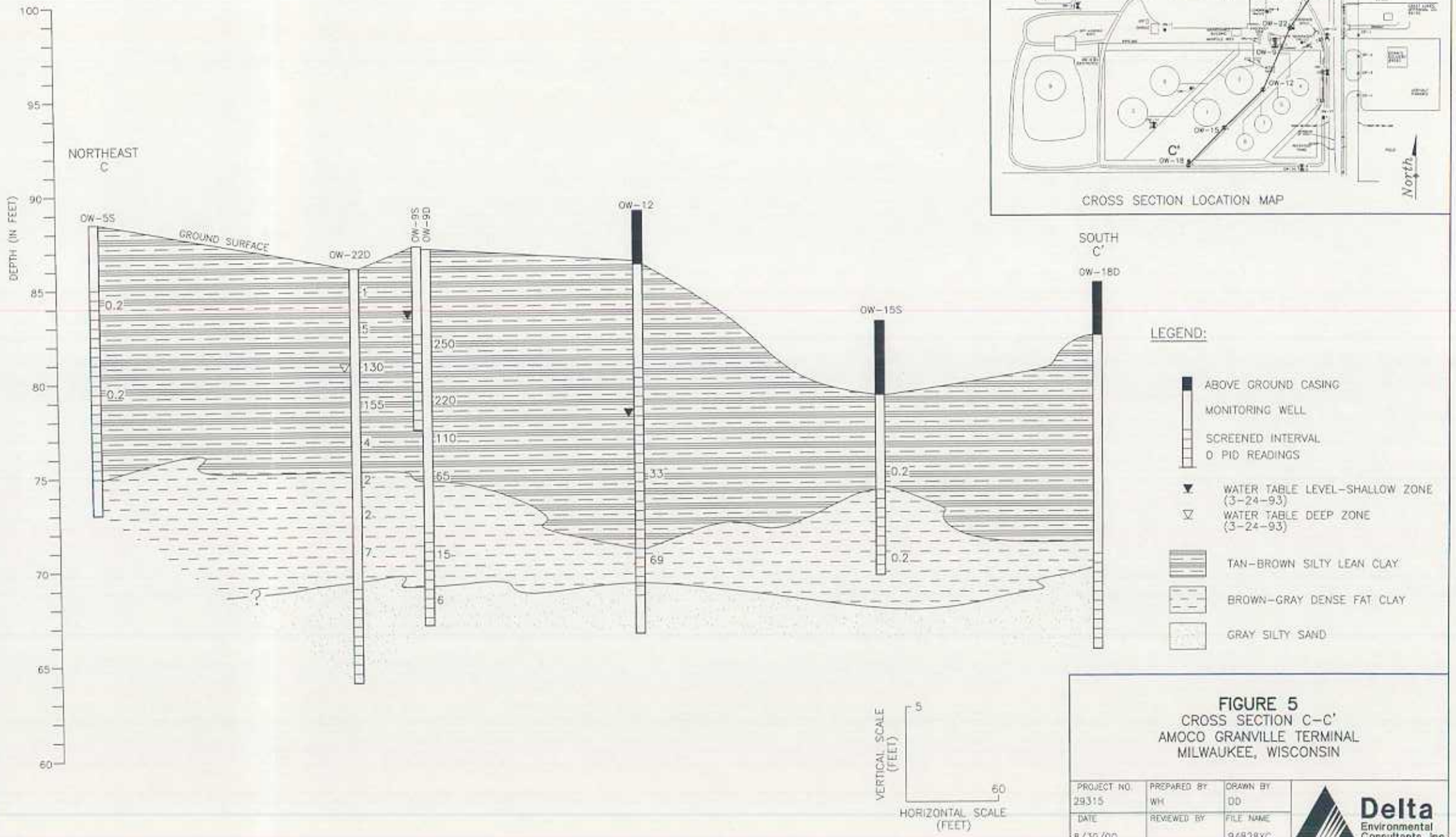
VERTICAL SCALE (FEET): 5

HORIZONTAL SCALE (FEET): 60

FIGURE 5
CROSS SECTION B-B'
AMOCO GRANVILLE TERMINAL
MILWAUKEE, WISCONSIN

PROJECT NO.	PREPARED BY	DRAWN BY
29315	WH	DD
DATE	REVIEWED BY	FILE NAME
8/30/00		94828XB

Delta Environmental Consultants, Inc.



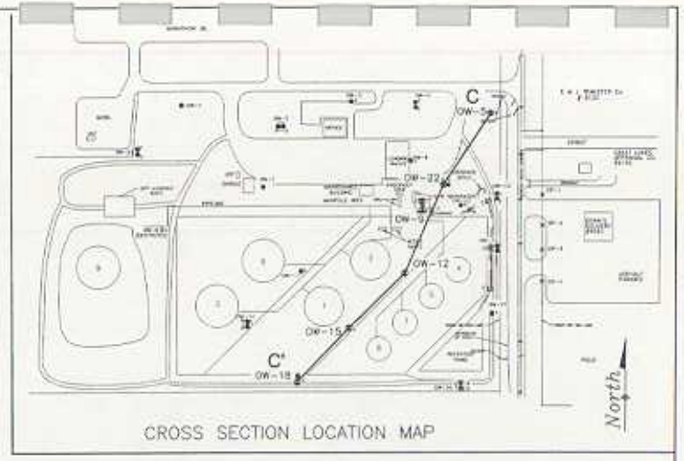


FIGURE 5
CROSS SECTION C-C'
AMOCO GRANVILLE TERMINAL
MILWAUKEE, WISCONSIN

PROJECT NO.	PREPARED BY	DRAWN BY
29315	WH	DD
DATE	REVIEWED BY	FILE NAME
8/30/00		94828XC

Delta Environmental Consultants, Inc.

Delta
Environmental Consultants, Inc.

Solving environment-related business problems worldwide

17500 West Liberty Lane • Suite A
New Berlin, Wisconsin 53146-2109 USA

262.789.0254 800.477.7411
Fax 262.789.5483

www.deltaenv.com

April 12, 2005

Ronald D. Leonhardt
Milwaukee City Clerk
200 East Wells Street
Room 205
Milwaukee, WI 53202

Mariano Schifalacqua
Milwaukee Dept. of Public Works
Rm 516, Frank P. Ziedler Municipal Bldg
841 North Broadway Street
Milwaukee, WI 53202

Subject: **Notification of Potential Residual Petroleum Contamination**
BP Granville Terminal
9101 North 107th Street
Milwaukee, Wisconsin
BRRTS No. 02-41-000702
Commerce No. 53224-1508-01
Delta Project No. G006M

Dear Mr. Leonhardt and Mr. Schifalacqua:

Delta Environmental Consultants, Inc. (Delta) is submitting this notification on behalf of Atlantic Richfield Company, a BP Products North America Inc. (BP) affiliated company. BP was formerly known as Amoco Oil Company. Delta is in the process of requesting that the Wisconsin Department of Commerce grant case closure to the above referenced petroleum remediation site. As part of the conditions for site closure, the road owner must be notified of potential residual petroleum impacts, associated with the subject site, beneath North 107th Street. The following information is intended to meet the notification requirement for site closure.

The attached Table 1 summarizes the most recent groundwater analytical results. Groundwater monitoring well locations are shown on Figure 1. Residual groundwater contamination above Wisconsin Administrative Code Chapter NR 140 enforcement standards (ES) was detected in monitoring wells OW-13S and OW-13D, located adjacent to North 107th Street right-of-way.

Should you have any questions or require additional information regarding this site, please do not hesitate to contact me at (262) 827-4217 or Tim Mueller, Project Geologist, at (262) 827-3982.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

James H. Kasdorf, Jr.
Project Geologist

Tim Mueller, P.G., CHMM
Project Geologist

Attachments

c: Linda Michalets – Wis. Dept. of Commerce
Ray Stoelting – Atlantic Richfield Company

A member of:
Inogen Environmental Alliance

Delta
Environmental Consultants, Inc.

Solving environment-related business problems worldwide

www.deltaenv.com

17500 West Liberty Lane • Suite A
New Berlin, Wisconsin 53146-2109 USA

262.789.0254 800.477.7411
Fax 262.789.5483

April 12, 2005

Keith Ponath
Milwaukee County Dept. of Public Works
Highway Maintenance Division
10190 W. Watertown Plank Rd
Wauwatosa, WI 53226

Subject: **Notification of Potential Residual Petroleum Contamination**
BP Granville Terminal
9101 North 107th Street (Co Hwy "F")
Milwaukee, Wisconsin
BRRTS No. 02-41-000702
Commerce No. 53224-1508-01
Delta Project No. G006M

Dear Mr. Ponath:

Delta Environmental Consultants, Inc. (Delta) is submitting this notification on behalf of Atlantic Richfield Company, a BP Products North America Inc. (BP) affiliated company. BP was formerly known as Amoco Oil Company. Delta is in the process of requesting that the Wisconsin Department of Commerce grant case closure to the above referenced petroleum remediation site. As part of the conditions for site closure, the road owner and/or any other entity that maintains the road, must be notified of potential residual petroleum impacts, associated with the subject site, beneath North 107th Street (County Hwy "F"). The following information is intended to meet the notification requirement for site closure.

The enclosed table summarizes the most recent groundwater analytical results. Groundwater monitoring well locations are shown on the enclosed figure. Residual groundwater contamination above Wisconsin Administrative Code Chapter NR 140 enforcement standards (ES) was detected in monitoring wells OW-13S and OW-13D, located adjacent to the North 107th Street (County Hwy "F") right-of-way.

Should you have any questions or require additional information regarding this site, please do not hesitate to contact me at (262) 827-4217 or Tim Mueller, Project Geologist, at (262) 827-3982.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

James H. Kasdorf, Jr.
Project Geologist

Tim Mueller, P.G.
Project Geologist

Attachments

c: Linda Michalets – Wis. Dept. of Commerce
Ray Stoelting – Atlantic Richfield Company

A member of:
Inogen Environmental Alliance