The following site is being submitted for inclusion into the GIS registry:

- To begin, click on cell to the right of; *This is a:*
- Use Tab, ↓ or Pg Down to navigate form. Print & include with file when completed.

This is a:	New Submittal
BRRTS ID (no dashes):	**0341000825**
Comm # (no dashes):	53207102126
County:	Milwaukee
Region:	Southeast
Site Name:	Shell Oil Co
Street Address:	1626 S Harbor Dr
City:	Milwaukee
Final Closure Date:	2002-11-02
Closure Conditions:	met
Off-source property contamination?	No

(If yes, attach locational data and deed information on pg. 2)

Right-of-way contamination?	No
Contaminated media:	Groundwater and Soil

GPS Coordinates (meters in the **WTM91** projection)

Easting (X):	691393
Northing (Y):	284571
Collection Method:	DNR Web Site
Scale or Resolution:	1:24,000

(1:24,000 scale or finer)

Prepared by:	Greg Michael
Submitted by:	Woody Myers

Source Property Checklist

- ☒ Final Closure Letter
- ☒ The most recent deed including legal descriptions, for all properties within or partially within the contaminated site boundaries w/ Soil > NR 720 RCL and/or GW > NR 140 ES
- ☒ A certified surveyed map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map
- ☒ Parcel ID for all properties w/ Soil > NR 720 RCL and/or GW > NR 140 ES
- ☒ General Location Map
- ☒ Detailed Location Map showing property boundaries, buildings, MW(s), soil borings and/or potable wells etc for properties w/ Soil > NR 720 RCL and/or GW > NR 140 ES
- ☒ Latest Map(s) showing extent or outline of current GW and/or Soil contamination plume
- ☒ Latest Table of GW and/or Soil results
- ☒ Map showing GW flow direction
- ☒ A table of the previous 4 water level elevation measurements
- ☐ Geologic cross section (if generated as part of the site investigation)
- ☒ Statement signed by RP certifying correctness of legal descriptions
- ☐ ROW Notification

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
http://www.commerce.state.wi.us
http://www.wisconsin.gov
Scott McCallum, Governor
Philip Edw. Albert, Secretary

Wisconsin
Department of Commerce

November 8, 2002

Irv Jenkins
Health Safety & Environment - Remediation
910 Louisiana
One Shell Plaza Building Rm. 1426
Houston, Texas 77002

RE: **Final Closure**

Commerce # 53207-1021-26 WDNR BRRTS # 03-41-000825
Shell Oil Co., 1626 S. Harbor Dr., Milwaukee

Dear Mr. Jenkins:

The Wisconsin Department of Commerce (Commerce) has received all items required for closure. This site is now listed as "closed" on the Commerce database and will be included on the Wisconsin Department of Natural Resources (WDNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual contamination.

It is in your best interest to keep all documentation related to the environmental activities at your site. If residual contamination is encountered in the future, appropriate measures must be implemented to assure that it is managed following all applicable regulations. If future site conditions indicate that any remaining contamination poses a threat, and subsequent information indicates a need to reopen this case, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

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) 220-5375.

Sincerely,

Greg Michael
Hydrogeologist
Site Review Section

cc: Brown & Caldwell
Case File

201 North Civic Drive
Walnut Creek, California 94596

Tel: (925) 937-9010
Fax: (925) 937-9026

www.brownandcaldwell.com

18371/004/5

October 15, 2002

BROWN AND CALDWELL

Mr. Gregory Michael
Wisconsin Department of Commerce
Environmental and Regulatory Services
PECFA Site Review Section
101 West Pleasant Street, Suite 205
Milwaukee, Wisconsin 53212

18371-001

Subject: Submittal for WDNR's Soil GIS Registry of Closed Remediation Sites
Former Shell Distribution Terminal
1626 South Harbor Drive, Milwaukee, Wisconsin
Commerce # 53207-1021-26
WDNR BRRST Case # 03-41-000825

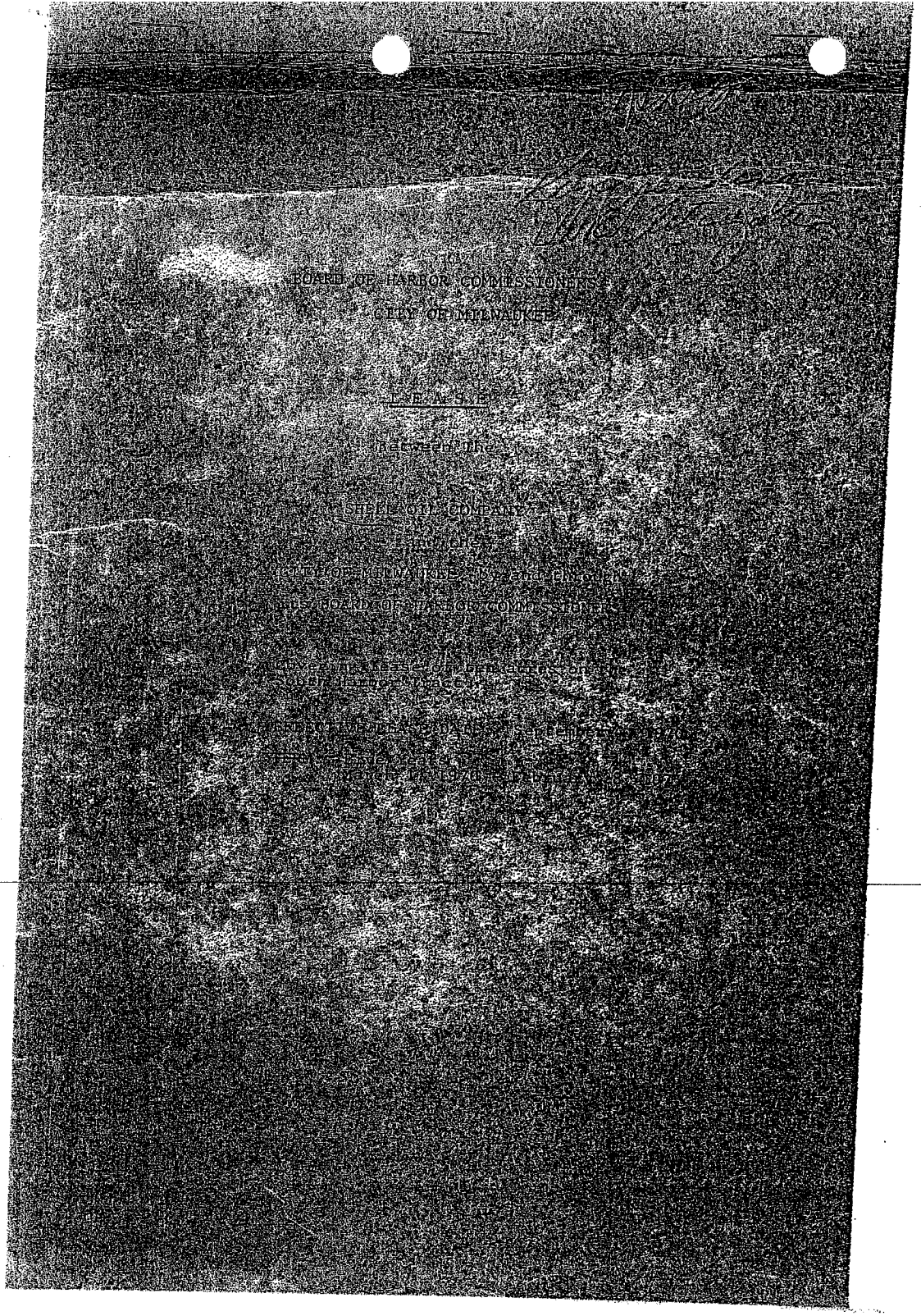
Dear Mr. Michael:

On behalf of Shell Oil Company (Shell) and in response to your February 28, 2002 letter to Mr. Irv Jenkins of Shell, Brown and Caldwell is submitting this Geographical Information System (GIS) Registry package. The package includes information and documents required for the subject property (Site) to be eligible for inclusion into the Wisconsin Department of Natural Resource's (WDNR's) GIS Registry of Closed Remediation Sites. The $200 soil GIS Registry fee is included with this submittal.

Presented below is an outline of the information included with this package.

I. Copy of Lease and Plat Maps

- A copy of the portion of the lease between Shell and the City of Milwaukee (City) for the Site that includes the legal description of the Site.
- A copy of the plat map that identifies the entire parcel of land, 463-9997-118-7, owned by the City and maintained by the Port of Milwaukee. The Site is situated on a section of this parcel. Presently, this parcel is collectively known as 1225 South Carferry Drive.
- A copy of the plat map that identifies the section of parcel 463-9997-118-7 that Shell leased from the City.



AGREEMENT

THIS INDENTURE, made and entered into at Milwaukee, Wisconsin, this 4th day of September, 1970, between the CITY OF MILWAUKEE, a municipal corporation of the State of Wisconsin, acting by and through its BOARD OF HARBOR COMMISSIONERS (hereinafter called LESSOR), and SHELL OIL COMPANY, a Delaware corporation, located at 10 South Riverside Plaza, Chicago, Illinois 60606, (hereinafter called LESSEE):

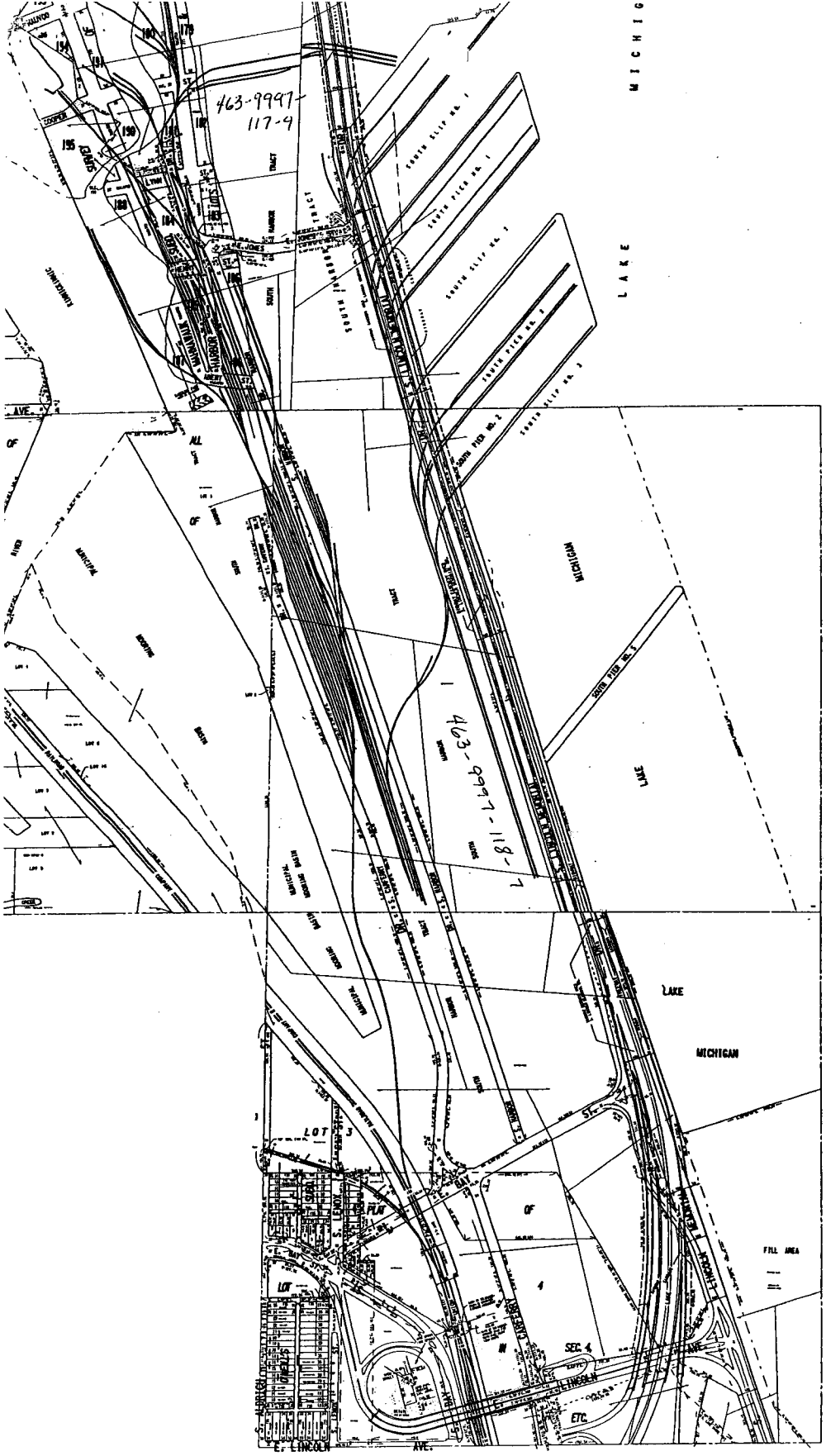
WITNESSETH:

The said LESSOR does hereby lease, demise and let unto the said LESSEE the following described premises situated in the County of Milwaukee and State of Wisconsin, to-wit:

That part of the N. E. One-quarter (1/4) of Section 4, Township 6 North, Range 22 East of the 4th principal meridian, bounded and described as follows:

Commencing at the N. W. corner of said section; running thence easterly along the north line of said section north 89° 50' 29" east a distance of two thousand six hundred thirty-four and seventy-five hundredths (2634.75) feet to a point being on the easterly line of South Harbor Drive; running thence southerly along said easterly street line south 20° 11' 57" east five hundred sixty-two and seventeen hundredths (562.17) feet to a point; running thence north 69° 48' 03" east fifty-seven and no hundredths (57.00) feet to the point of beginning of the parcel of land to be described; continuing thence north 69° 48' 03" east four hundred thirty-eight and eighty-eight hundredths (438.88) feet to a point; running thence south 18° 02' 19" east five hundred thirty-two and thirty-four hundredths (532.34) feet to a point; running thence south 13° 13' 45" east fifty-four and seventy-six hundredths (54.76) feet to a point; running thence on a circular curve to the right having a radius of five hundred eleven and sixty-seven hundredths (511.67) feet, for an arc distance of four hundred seventy-nine and eighty-eight hundredths (479.88) feet and having a chord distance of four hundred sixty-two and forty-seven hundredths (462.47) feet with a bearing of south 13° 38' 19" west to a point; running thence south 71° 57' 41" west two hundred forty-five and ninety-four hundredths (245.94) feet to a point being on the easterly line of South Harbor Drive; running thence northerly along said easterly street line north 18° 02' 19" west six hundred thirty-one and sixty-two hundredths (631.62) feet to a point; running thence north 6° 12' 10" west two hundred seventy-eight and thirty-one hundredths (278.31) feet to a point; running thence north 20° 11' 57' west fifty-nine and ninety-six hundredths (59.96) feet to the point of beginning.

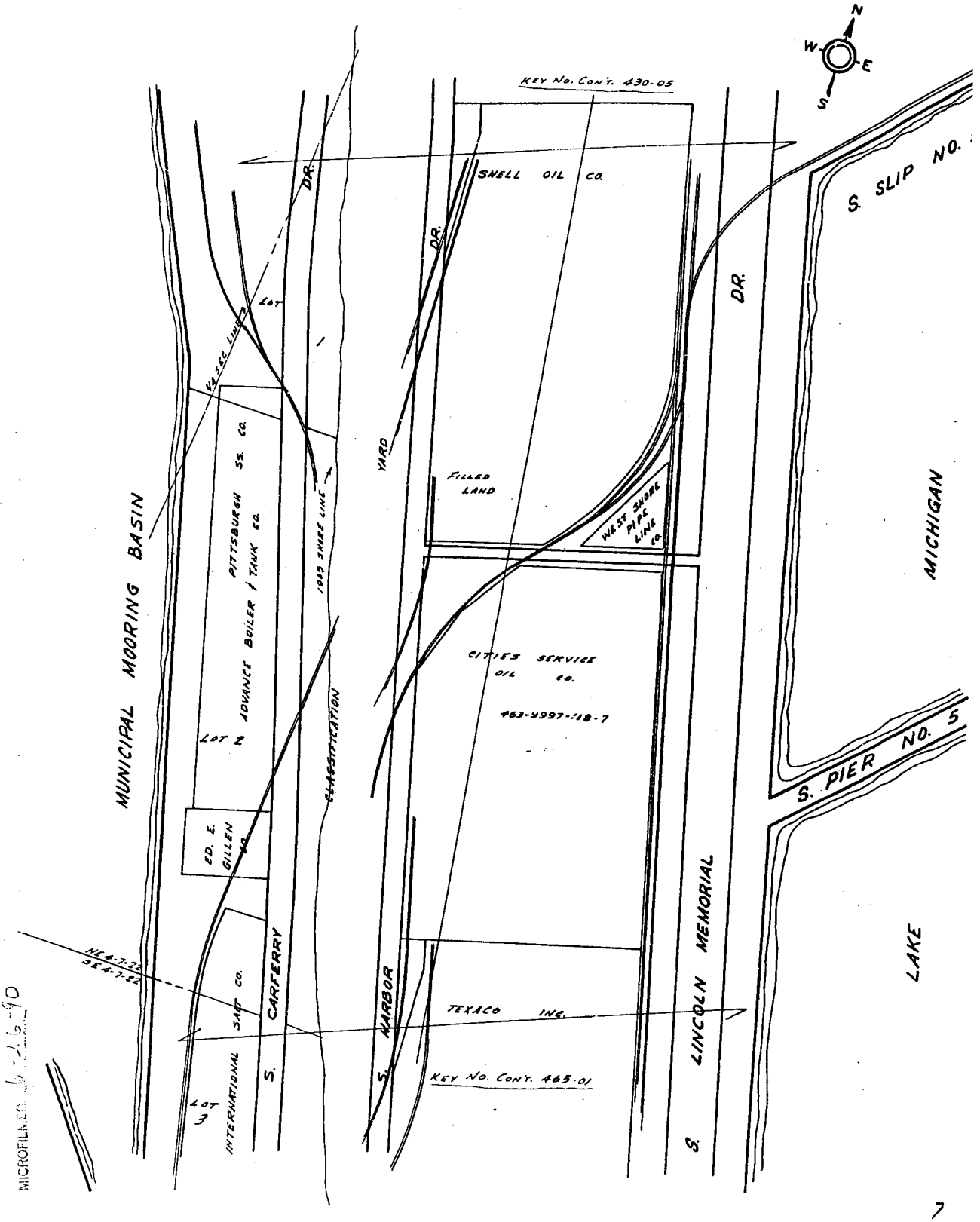
The said demised premises being a parcel of land on the South Harbor tract in the City of Milwaukee, State of Wisconsin, and containing 10.000 acres more or less.


463-9997-117-9
463-9997-118-7
LAKE MICHIGAN
LAKE MICHIGAN
LOT 3
E. LINCOLN AVE.
SEC. 4
FILL AREA

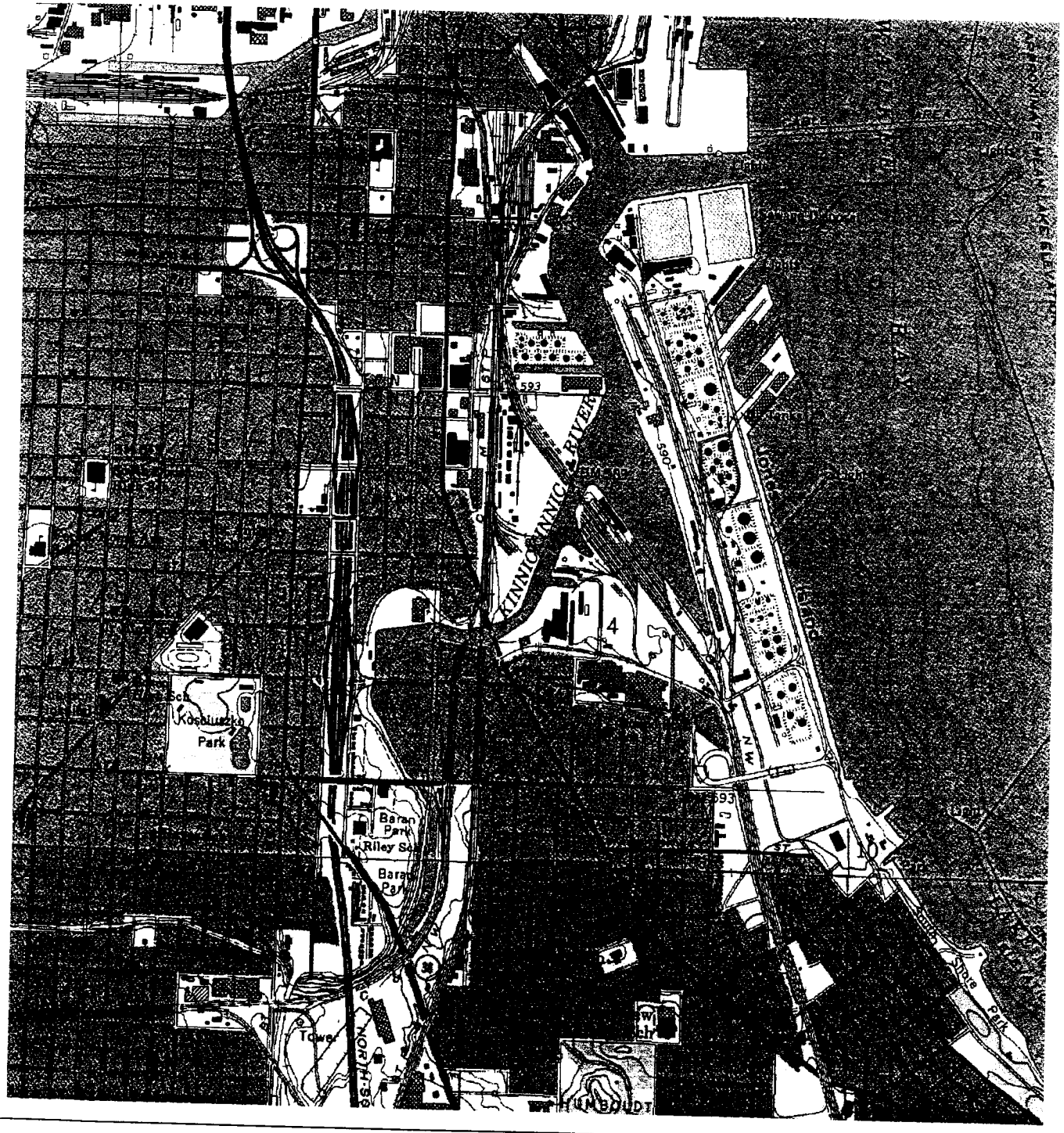
NE¼SE 4-7-22
ATLAS P. 464 & 465

463
PART'N. LOTS

464-01
SCALE 1"=200'



MICROFILMED 4-26-90



Legend

Site Boundary

N

1000 0 1000 2000 Feet

Source: USGS Topographic Map
Milwaukee, Wisconsin Qaudrangle
July 1, 1971 1:24,000

Title

Regional Location Map

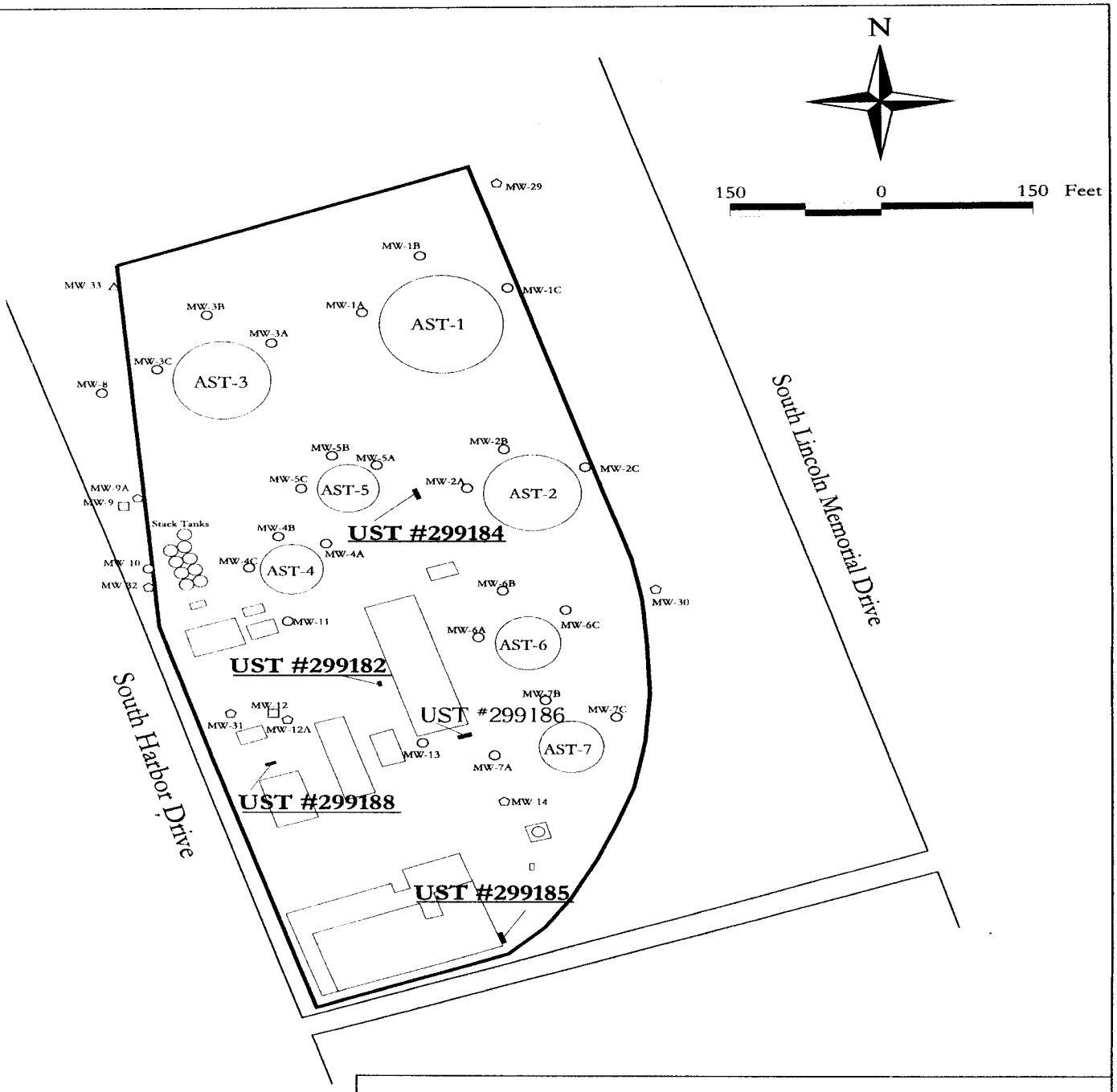
Site

Former Shell Distribution Terminal
1626 South Harbor Drive
Milwaukee, Wisconsin

Date	Project Number
8/20/2002	18371

BROWN AND CALDWELL

FIGURE 1



Former UST Locations, Removed May-June 1990

Former Monitoring Wells, Abandoned November 2000

Former Monitoring Well, Destroyed June 1999

Former Monitoring Wells, Plugged June 1998

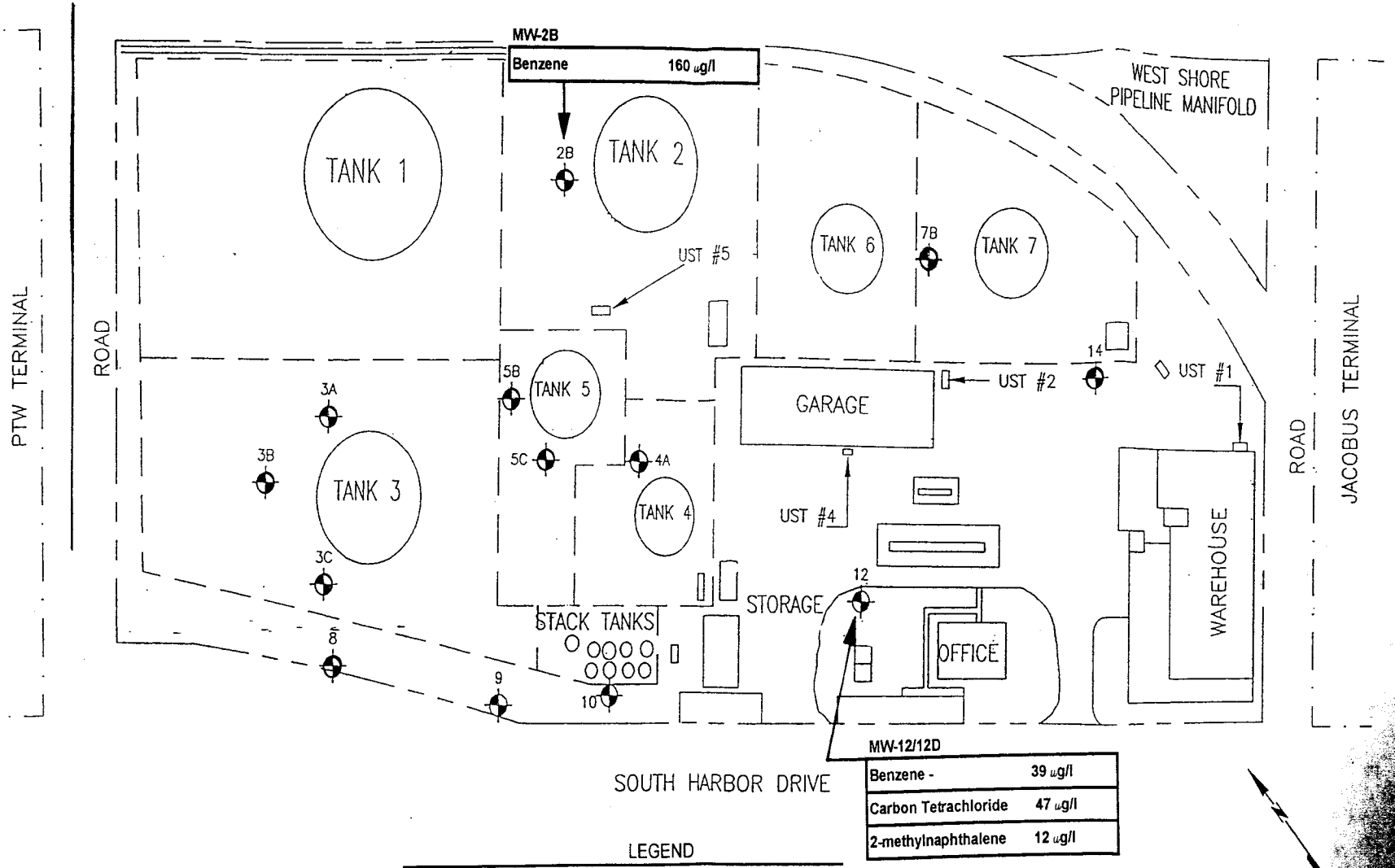
Former Monitoring Wells, Abandoned May 1996

Property Boundary

UST IDs that are **bolded and underlined** indicates USTs that had concentrations exceeding generic RCLs in soil samples collected during their removals.

BROWN AND CALDWELL	DATE 8/20/2002	SITE Former Shell Distribution Terminal 1626 South Harbor Drive, Milwaukee, Wisconsin	FIGURE 2
	PROJECT 18371	TITLE Site Map	

FILE 13849D01.DWG



PHILIP ENVIRONMENTAL

CONSTITUENT CONCENTRATIONS ABOVE
GROUNDWATER QUALITY STANDARDS
ST SERVICES BULK TERMINAL
MILWAUKEE, WISCONSIN

TABLE 1
Historical Groundwater Monitoring Analytical Results - Organics and Metals
Former Shell Distribution Terminal
1626 South Harbor Drive, Milwaukee, Wisconsin

Well ID	Date Sampled	TPH (µg/L)	GRO (µg/L)	DRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	Dissolved Cadmium (µg/L)	Dissolved Lead (µg/L)
MW-1A	6/27/1990	1.2	---	---	<1.0	<2.0	<2.0	<4.0	---	---	---
	11/27/1990	---	---	---	<1.0	6.43	2.00	2.32	---	---	---
MW-1B	6/27/1990	<500	---	---	<1.0	<2.0	<2.0	<4.0	---	---	---
	11/27/1990	---	---	---	<1.0	<1.0	1.31	1.52	---	---	---
MW-1C	6/27/1990	<500	---	---	<1.0	<2.0	<2.0	<4.0	---	---	---
	11/27/1990	---	---	---	<1.0	<1.0	<1.0	<1.0	---	---	---
MW-2A	6/27/1990	<500	---	---	<1.0	<2.0	<2.0	<4.0	---	---	---
	11/27/1990	---	---	---	<1.0	<1.0	2.04	1.15	---	---	---
MW-2B	6/27/1990	19,000	---	---	130	<2.0	<2.0	<4.0	---	---	---
	11/27/1990	---	---	---	368.5	72.3	7.6	62.9	---	---	---
	5/23/1996	---	430	12,000	160	<2.0	---	4	---	---	---
MW-2C	6/27/1990	3,100	---	---	**2**	<2.0	<2.0	<4.0	---	---	---
	11/27/1990	---	---	---	<1.0	<1.0	2.2	<1.0	---	---	---
MW-3A	6/27/1990	<500	---	---	<1.0	<2.0	<2.0	<4.0	---	---	---
	11/27/1990	---	---	---	<1.0	4.2	<1.0	<1.0	---	---	---
	5/23/1996	---	<100	720	<2.0	<2.0	---	<2.0	---	---	---
MW-3B	6/27/1990	600	---	---	<1.0	<2.0	<2.0	<4.0	---	---	---
	11/27/1990	---	---	---	<1.0	<1.0	5.5	2.9	---	---	---
	5/23/1996	---	<100	1,100	<2.0	<2.0	---	<2.0	---	---	---
MW-3C	6/27/1990	<500	---	---	<1.0	<2.0	<2.0	<4.0	---	---	---
	11/27/1990	---	---	---	<1.0	<1.0	<1.0	<1.0	---	---	---
	5/23/1996	---	<100	broken	<2.0	<2.0	---	<2.0	---	---	---
MW-4A	6/27/1990	<500	---	---	<1.0	<2.0	<2.0	<4.0	---	---	---
	11/27/1990	---	---	---	<1.0	<1.0	<1.0	<1.0	---	---	---
	5/23/1996	---	<100	180	<2.0	<2.0	---	<2.0	---	---	---
MW-4B	6/27/1990	<500	---	---	<1.0	<2.0	<2.0	<4.0	---	---	---
	11/27/1990	---	---	---	<1.0	<1.0	<1.0	<1.0	---	---	---
MW-4C	6/27/1990	<500	---	---	11	<2.0	<2.0	<3.5	---	---	---
	11/27/1990	---	---	---	28.5	<1.0	20.0	26.5	---	---	---
MW-5A	6/27/1990	<500	---	---	<1.0	<2.0	<2.0	<4.0	---	---	---
	11/27/1990	---	---	---	<1.0	1.3	<1.0	1.6	---	---	---
MW-5B	6/27/1990	400	---	---	**5**	4	8	9	---	---	---
	11/27/1990	---	---	---	<1.0	<1.0	<1.0	31.1	---	---	---
	5/22/1996	---	380	1,300	<2.0	<2.0	---	<2.0	---	---	---
MW-5C	6/27/1990	<500	---	---	<1.0	<2.0	<2.0	<4.0	---	---	---
	11/27/1990	---	---	---	<1.0	<1.0	<1.0	<1.0	---	---	---
	5/22/1996	---	<100	<100	<2.0	<2.0	---	<2.0	---	---	---
MW-6A	6/27/1990	32,000	---	---	<1.0	<2.0	<2.0	9	---	---	---
	11/27/1990	---	---	---	<1.0	<1.0	<1.0	<1.0	---	---	---
MW-6B	6/27/1990	3,800	---	---	400	88	130	1,000	---	---	---
	11/27/1990	---	---	---	41	<1.0	<1.0	265.8	---	---	---
MW-6C	6/27/1990	4,800	---	---	4	<2.0	<2.0	78	---	---	---
	11/27/1990	---	---	---	63.7	541.7	103.6	854.6	---	---	---
MW-7A	6/27/1990	<500	---	---	<1.0	<2.0	<2.0	4	---	---	---
	11/27/1990	---	---	---	<1.0	<1.0	<1.0	<1.0	---	---	---
MW-7B	6/27/1990	23,000	---	---	<1.0	<2.0	<2.0	4	---	---	---
	11/27/1990	---	---	---	<1.0	<1.0	<1.0	<1.0	---	---	---
	5/23/1996	<2.0	---	<2.0	---	<100	960	---	---	---	---
MW-7C	6/27/1990	21,000	---	---	160	<2.0	19	10	---	---	---
	11/27/1990	---	---	---	302	<1.0	<1.0	5.9	---	---	---
MW-8	6/27/1990	<500	---	---	<1.0	<2.0	<2.0	4	---	---	---
	11/27/1990	---	---	---	<1.0	<1.0	<1.0	<1.0	---	---	---
	5/22/1996	---	<100	<100	<2.0	<2.0	---	<2.0	---	---	---
MW-9	6/27/1990	<500	---	---	<1.0	<2.0	<2.0	<4.0	---	---	---
	11/27/1990	---	---	---	<1.0	<1.0	<1.0	<1.0	---	---	---

TABLE 1
Historical Groundwater Monitoring Analytical Results - Organics and Metals
Former Shell Distribution Terminal
1626 South Harbor Drive, Milwaukee, Wisconsin

Well ID	Date Sampled	TPH (µg/L)	GRO (µg/L)	DRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	Dissolved Cadmium (µg/L)	Dissolved Lead (µg/L)
MW-9 cont'd	5/22/1996	---	160	---	<2.0	<2.0	<2.0	<2.0	<8	---	---
	12/11/1996	---	<100	1,000	**2**	<1	<1	<1	<8	0.2*	82*
	6/20/1997	---	200	1,500	260	<1	<1	<1	<8	5.2	1,610
	12/9/1997	---	70	3,000	410	1	1	<2	<8	0.4	89
MW-9A	6/18/1998	---	1,100	2,800	400	<100	150	110	<800	<0.2	<3
	12/2/1998	---	600	800	1.5	<1	2.8	1.8	<1	1.2	<3
	6/30/1999	---	6,000	2,000	79	3.9	300	9.6	<1	0.6	<3
	12/1/1999	---	1,700	1,800	190	<1.0	<1.0	<1.0	<8.0	<0.5	<1
	7/10/2000	---	3,400	2,700	**100**	3	**200**	14	<8	<0.5	**4**
MW-10	6/27/1990	170,000	---	---	**4**	<2.0	3	6	---	---	---
	11/27/1990	---	---	---	---	---	---	---	---	---	---
	5/22/1996	---	---	---	---	---	---	<2.0	---	---	---
MW-11	6/27/1990	---	---	---	---	---	---	---	---	---	---
	11/27/1990	NA	---	---	515.4	125.5	<1.0	672.2	---	---	---
MW-12	6/27/1990	---	---	---	---	---	---	---	---	---	---
	11/27/1990	---	---	---	<1.0	<1.0	<1.0	<1.0	---	---	---
	5/22/1996	---	1,000	1,200	39	<2.0	<2.0	3	<8	<0.2	<0.1
(Dup.)	5/22/1996	---	960	190	<2.0	2	---	<2.0	---	---	---
	12/11/1996	---	800	1,100	21	2	<1	<1	<8	---	---
	6/20/1997	---	100	300	55	3	2	5	<8	0.7	56
	12/9/1997	---	700	1,400	210	4	3	5	<8	<0.2	<3
MW-12A	6/18/1998	---	<100	1,300	103	<1	1.9	3.2	---	<0.2	<3
	12/2/1998	---	600	1,000	63	<1	<1	4.4	20	0.2	<3
	6/30/1999	---	500	920	120	1.7	2.8	4.7	29	0.2	<3
	12/1/1999	---	290	640	25	<1.0	<1.0	2.6	18	<0.5	<1
(Dup.)	12/1/1999	---	260	700	24	<1.0	<1.0	2.5	18	<0.5	<1
	7/10/2000	---	660	660	120	2	4	10	29	<0.5	1
(Dup.)	7/10/2000	---	680	810	**130**	3	4	10	**29**	<0.5	<1
MW-13	6/27/1990	<500	---	---	<1.0	<2.0	<2.0	<4.0	---	---	---
	11/27/1990	---	---	---	<1.0	<1.0	<1.0	<1.0	---	---	---
MW-14	6/27/1990	1,000	---	---	<1.0	<2.0	<2.0	<4.0	---	---	---
	11/27/1990	---	---	---	<1.0	<1.0	<1.0	<1.0	---	---	---
	5/22/1996	---	<100	800	<2.0	<2.0	<2.0	<2.0	<8	<0.2	<0.1
	12/11/1996	---	<100	3,400	<1	<1	<1	<1	<8	<0.2*	4.0*
	6/20/1997	---	<100	4,000	<1	<1	<1	<1	<8	<0.2	<1
	12/9/1997	---	<100	3,400	<2	<2	<2	<2	<8	<0.2	<3
	6/18/1998	---	<100	2,600	<1	<1	<1	1.1	<8	<0.2	<3
	12/2/1998	---	<100	3,800	<1	<1	<1	<1	<8	<0.2	<3
	6/30/1999	---	<100	3,300	<1	<1	<1	<1	3.1	0.4	<3
	12/1/1999	---	<100	1,600	<1.0	<1.0	<1.0	<1.0	<8.0	<0.5	4
	7/10/2000	---	<100	2,400	<0.5	<1	<1	4	<8	---	---
MW-29	12/11/1996	---	<100	500	<1	<1	<1	<1	<8	<0.2*	9.0*
	6/20/1997	---	<100	400	<1	<1	<1	<1	<8	<0.2	<1
	12/9/1997	---	<100	300	<1	<1	<1	<1	<8	<0.2	<3
	6/18/1998	---	<100	300	<1	<1	<1	1	<8	<0.2	<3
	12/2/1998	---	<200	100	<1	<1	<1	<1	<8	<0.2	<3
	6/30/1999	---	<100	<100	<1	<1	<1	<1	<1	<0.2	<3
	12/1/1999	---	<100	<100	<1.0	<1.0	<1.0	<1.0	<8.0	<0.5	<1
	7/10/2000	---	<100	<100	<0.5	<1	<1	<1	<8	---	---
MW-30	12/11/1996	---	200	1,800	<1	<1	<1	<1	<8	<0.2*	4.0*
	6/20/1997	---	<100	1,400	<1	<1	56	<1	<8	<0.2	<1
(Dup.)	6/20/1997	---	<100	---	<1	<1	58	<1	---	<0.2	<1
	12/9/1997	---	<100	2,100	<1	<1	59	<1	<8	<0.2	<3
	6/18/1998	---	<100	1,800	<1	<1	56	1.8	<8	<0.2	<3
	12/2/1998	---	300	---	<1	<1	<1	1.7	<8	<0.2	<3

TABLE 1
Historical Groundwater Monitoring Analytical Results - Organics and Metals
Former Shell Distribution Terminal
1626 South Harbor Drive, Milwaukee, Wisconsin

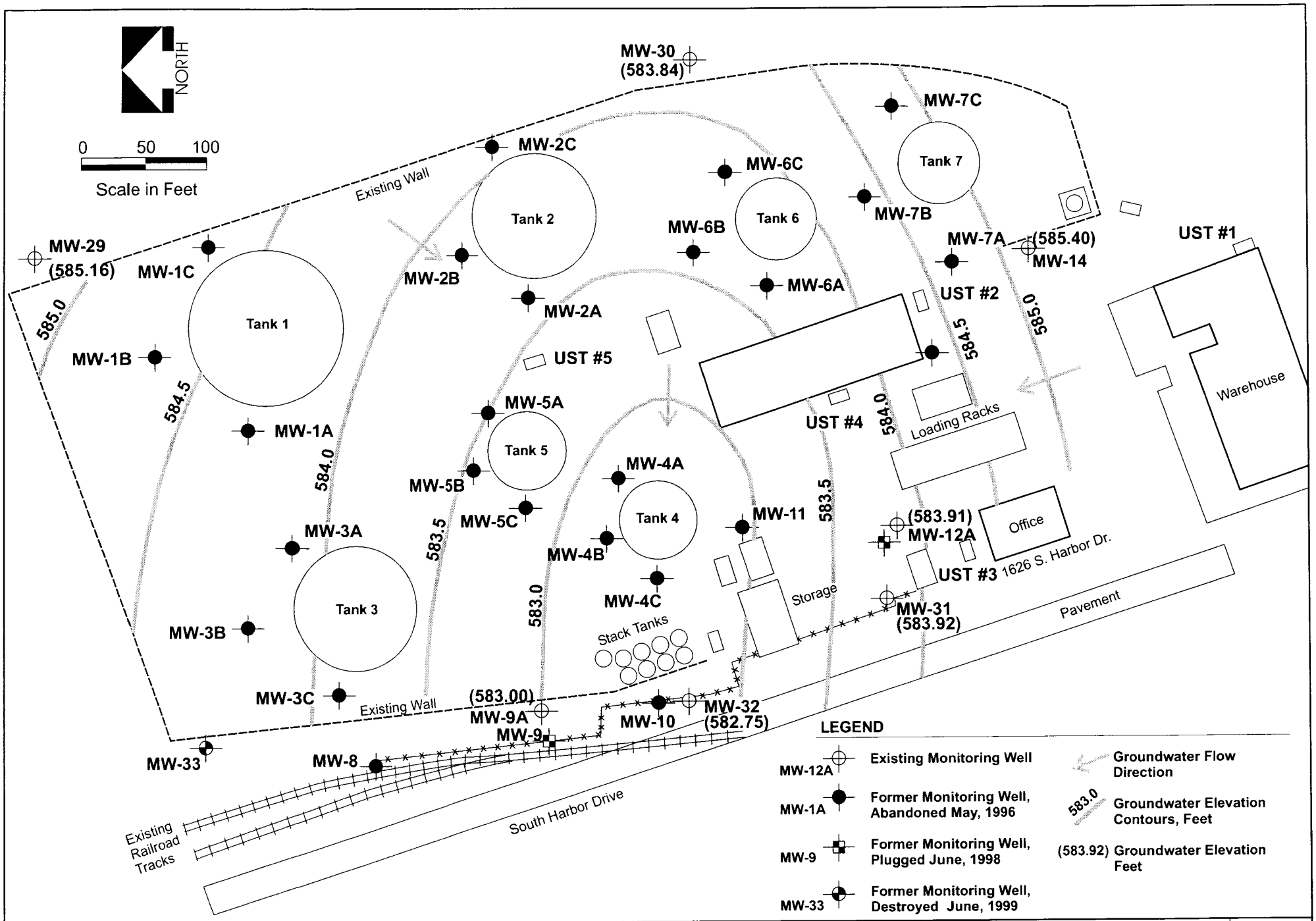
Well ID	Date Sampled	TPH (µg/L)	GRO (µg/L)	DRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	Dissolved Cadmium (µg/L)	Dissolved Lead (µg/L)
MW-30 cont'd	6/30/1999	---	200	1,300	<1	<1	170	<1	<1	0.7	<3
	12/1/1999	---	330	1,500	<1.0	<1.0	<1.0	<1.0	<8.0	<0.5	<1
	7/10/2000	---	700	1,200	<0.5	<1	<1	130	<8	---	---
MW-31	12/11/1996	---	<100	700	<1	<1	<1	<1	73	<0.2*	5.0*
	6/20/1997	---	<100	300	<1	<1	<1	<1	27	<0.2	<1
	12/9/1997	---	200	600	<2	<2	<2	<2	59	<0.2	<3
	6/18/1998	---	<100	600	<1	<1	<1	<1	49	0.2	<3
	12/2/1998	---	<100	600	1.7	<1	2.1	4.7	98	0.5	<3
	6/30/1999	---	100	<100	<1	<1	<1	<1	62	<0.2	<3
	12/1/1999	---	<100	310	<1.0	<1.0	<1.0	<1.0	57	<0.5	<1
	7/10/2000	---	<100	240	<0.5	<1	<1	<1	**41**	---	---
MW-32	12/11/1996	---	1,200	3,300	<1	<1	2	3	<8	<0.2*	7.0*
	6/20/1997	---	100	2,000	7	<1	<1	<1	<8	<0.2	<1
	12/9/1997	---	1,000	2,700	2	<2	<2	<2	<8	<0.2	<3
	6/18/1998	---	200	1,600	6.2	<1	<1	1.4	<8	<0.2	<3
	12/2/1998	---	1,400	2,200	1.8	<1	<1	<1	<8	<0.2	<3
	6/30/1999	---	1,100	1,200	3.1	<1	<1	<1	<1	<0.2	<3
	12/1/1999	---	390	2,500	<1.0	<1.0	<1.0	<1.0	<8.0	<0.5	<1
	7/10/2000	---	640	3,600	**5**	<1	<1	<1	<8	---	---
MW-33	12/11/1996	---	<100	900	<1	<1	<1	<1	<8	<0.2*	9.0*
	6/20/1997	---	<100	500	<1	1	<1	<1	<8	<0.2	<1
	12/9/1997	---	<100	100	<2	<2	<2	<2	<8	<0.2	<3
	6/18/1998	---	<100	200	<1	<1	<1	1.8	<8	<0.2	<3
	12/2/1998	---	<100	<100	<1	<1	<1	<1	<8	0.2	<3
	6/30/1999	Well Destroyed									
WDNR ES		SS	SS	SS	5	1,000	700	10,000	60	5	15
WDNR PAL		SS	SS	SS	0.5	200	140	1,000	12	0.5	1.5

Notes:
TPH = Total Petroleum Hydrocarbons following SW-846 Method 8015 Modified
GRO = Gasoline Range Organics following Wisconsin GRO Method
DRO = Diesel Range Organics following Wisconsin DRO Method
Benzene, Toluene, Ethylbenzene and Xylenes following SW-846 Method 8020
MtBE = Methyl tertiary-Butyl Ether following SW-846 Method 8020
Dissolved Cadmium and Dissolved Lead analyzed following SW-846 Method 6010
<n = not detected above laboratory reporting limit of n µg/L
--- = Not analyzed
(Dup.) = Duplicate sample
* = Total metal concentration
WDNR ES = WDNR Enforcement Standard established in the Wisconsin Administrative Code, Ch. NR 140.10
WDNR PAL = WDNR Preventive Action Limit established in the Wisconsin Administrative Code, Ch. NR 140.10
SS = Site specific standard; none established for the subject site
Bold indicates concentrations in most recent sampling event that are greater than PAL
Bold and underline indicate concentrations in most recent sampling event that are greater than ES
Analyses performed by SPL Environmental Laboratories

TABLE 1
Soil Analytical Results - 1990 UST Removals
Former Shell Disribution Terminal
1626 South Harbor Drive, Milwaukee Wisconsin

Sample ID	Contents	Date Sampled	Sample Depth[a] (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	TPH (mg/kg)
UST #299182	550 gal; Waste Oil							
Sidewall North		5/23/1990	5	<0.002	0.005	<0.002	0.002	<10
Sidewall South		5/23/1990	5	<0.290	<0.290	1.6	**15**	**310**
Sidewall East		5/23/1990	5	<0.010	<0.010	0.012	0.025	62
Sidewall West		5/23/1990	5	<1.700	<1.700	**12**	**27**	**820**
Floor		5/23/1990	10	<0.002	<0.002	<0.002	<0.002	26
UST #299184	2000 gal; Other							
Sidewall North		6/5/1990	5	<1.900	<1.900	**9.9**	**19**	**5,100**
Sidewall South		6/5/1990	5	<2.000	<2.000	**8.1**	**8.8**	**5,600**
Sidewall East		6/5/1990	5	<1.900	<1.900	**13**	**80**	**4,900**
Sidewall West		6/5/1990	5	<2.000	<2.000	**20**	**19**	**6,700**
Floor		6/5/1990	10	<0.440	<0.440	**5.1**	**5.5**	**3,900**
UST #299185	2000 gal; Fuel Oil							
Sidewall North		5/22/1990	5	<0.002	<0.002	<0.002	<0.002	<10
Sidewall South		5/22/1990	5	<0.002	<0.002	<0.002	<0.002	<10
Sidewall East		5/22/1990	5	<0.005	<0.005	<0.005	0.017	**400**
Sidewall West		5/22/1990	5	<0.002	<0.002	<0.002	<0.002	<10
Floor		5/22/1990	10	<0.300	<0.300	0.52	1.1	**380**
UST #299186	2000 gal; Fuel Oil							
Sidewall North		5/23/1990	5	<0.002	0.004	0.002	0.005	<10
Sidewall South		5/23/1990	5	<0.002	0.018	0.003	0.009	<10
Sidewall East		5/23/1990	5	<0.002	<0.002	<0.002	<0.002	<10
Sidewall West		5/23/1990	5	<0.002	0.011	0.003	0.007	<10
Floor		5/23/1990	10	<0.005	<0.005	0.026	0.043	41
UST #299188	1000 gal; Fuel Oil							
Sidewall North		5/24/1990	5	<0.280	<0.280	0.47	0.58	**1,200**
Sidewall South		5/24/1990	5	<0.002	<0.002	<0.002	<0.002	35
Sidewall East		5/24/1990	5	<0.010	<0.010	<0.200	<0.700	**640**
Sidewall West		5/24/1990	5	<0.002	<0.002	<0.004	<0.004	69
Floor		5/24/1990	10	<0.002	0.007	<0.002	0.008	190
WDNR Residual Contaminant Level				0.0055	1.5	2.9	4.1	250[b]

Notes:
ft bgs = feet below ground surface
Benzene, Toluene, Ethylbenzene and Xylenes analyzed following SW-846 Method 8020
TPH = Total Petroleum Hydrocarbons following SW-846 Method 8015 Modified
UST = Underground Storage Tank
<*n* = not detected above laboratory reporting limit of *n* mg/kg
WDNR Residual Contaminant Level = Established in the Wisconsin Administrative Code, Ch. NR 720.09
a = Approximated depth based on professional engineering judgement; actual depths were not included is original *Tank Removal Report* prepared by Engineering-Science, Inc., dated August 1990
b = Per NR 720.09 (4); the hydraulic conductivity of the site was estimated to be $1x10^{-6}$ cm/s in the Law Engineering *Hydrogeologic Assessment Report*, dated February 1989
Bold indicates concentrations greater than WDNR Residual Contaminant Level
Analyses performed by Wadsworth/ Alert Laboratories, Inc.



BROWN AND CALDWELL	DATE: August 1, 2000 PROJECT: 18371.002	SITE: Jones Island Terminal Facility, 1626 South Harbor Drive, Milwaukee, WI TITLE: GROUNDWATER POTENTIOMETRIC SURFACE (7/10/00 - 7/12/00)	Figure 3

TABLE 3
Historic Groundwater Elevations
Former Shell Distribution Terminal
1626 South Harbor Drive, Milwaukee, Wisconsin

Well ID {Top-of-Casing Elevation}	Date Sampled	Depth to Water (ft btoc)	LNAPL Thickness (ft)	Ground Water Elevation (ft MSL)
MW-1A	6/27/1990	---	---	---
	11/27/1990	---	---	---
MW-1B	6/27/1990	---	---	---
	11/27/1990	---	---	---
MW-1C	6/27/1990	---	---	---
	11/27/1990	---	---	---
MW-2A	6/27/1990	---	---	---
	11/27/1990	---	---	---
MW-2B	6/27/1990	---	---	---
	11/27/1990	---	---	---
	5/23/1996	---	---	---
MW-2C	6/27/1990	---	---	---
	11/27/1990	---	---	---
MW-3A	6/27/1990	---	---	---
	11/27/1990	---	---	---
	5/23/1996	---	---	---
MW-3B	6/27/1990	---	---	---
	11/27/1990	---	---	---
	5/23/1996	---	---	---
MW-3C	6/27/1990	---	---	---
	11/27/1990	---	---	---
	5/23/1996	---	---	---
MW-4A	6/27/1990	---	---	---
	11/27/1990	---	---	---
	5/23/1996	---	---	---
MW-4B	6/27/1990	---	---	---
	11/27/1990	---	---	---
MW-4C	6/27/1990	---	---	---
	11/27/1990	---	---	---
MW-5A	6/27/1990	---	---	---
	11/27/1990	---	---	---
MW-5B	6/27/1990	---	---	---
	11/27/1990	---	---	---
	5/22/1996	---	---	---
MW-5C	6/27/1990	---	---	---
	11/27/1990	---	---	---
	5/22/1996	---	---	---
MW-6A	6/27/1990	---	---	---
	11/27/1990	---	---	---
MW-6B	6/27/1990	---	---	---
	11/27/1990	---	---	---
MW-6C	6/27/1990	---	---	---
	11/27/1990	---	---	---
MW-7A	6/27/1990	---	---	---
	11/27/1990	---	---	---
MW-7B	6/27/1990	---	---	---
	11/27/1990	---	---	---
	5/23/1996	---	---	---
MW-7C	6/27/1990	---	---	---
	11/27/1990	---	---	---
MW-8	6/27/1990	---	---	---
	11/27/1990	---	---	---
	5/22/1996	---	---	---
MW-9	6/27/1990	---	---	---

TABLE 3
Historic Groundwater Elevations
Former Shell Distribution Terminal
1626 South Harbor Drive, Milwaukee, Wisconsin

Well ID {Top-of-Casing Elevation}	Date Sampled	Depth to Water (ft btoc)	LNAPL Thickness (ft)	Ground Water Elevation (ft MSL)
MW-9 cont'd	11/27/1990	---	---	---
	5/22/1996	---	---	---
	12/11/1996	---	---	---
	6/20/1997	---	---	---
	12/9/1997	---	---	---
MW-9A	6/18/1998	6.75	0.0	582.00
{588.75}	12/2/1998	8.18	0.0	580.57
	6/30/1999	6.53	0.0	582.22
	12/1/1999	9.45	0.0	579.30
	7/10/2000	5.75	0.0	583.00
MW-10	6/27/1990	---	---	---
	11/27/1990	---	---	---
	5/22/1996	---	---	---
MW-11	6/27/1990	---	---	---
	11/27/1990	---	---	---
MW-12	6/27/1990	---	---	---
	11/27/1990	---	---	---
	5/22/1996	---	---	---
	5/22/1996	---	---	---
	12/11/1996	---	---	---
	6/20/1997	---	---	---
	12/9/1997	---	---	---
MW-12A	6/18/1998	7.70	0.0	582.81
{590.51}	12/2/1998	8.70	0.0	581.81
	6/30/1999	7.24	0.0	583.27
	12/1/1999	9.70	0.0	580.81
	7/10/2000	6.60	0.0	583.91
MW-13	6/27/1990	---	---	---
	11/27/1990	---	---	---
MW-14	6/27/1990	---	---	---
{589.80}	11/27/1990	---	---	---
	5/22/1996	---	---	---
	12/11/1996	---	---	---
	6/20/1997	---	---	---
	12/9/1997	---	---	---
	6/18/1998	6.15	0.0	583.65
	12/2/1998	6.54	0.0	583.26
	6/30/1999	5.35	0.0	584.45
	12/1/1999	7.03	0.0	582.77
	7/10/2000	4.40	0.0	585.40
MW-29	12/11/1996	---	---	---
{586.51}	6/20/1997	---	---	---
	12/9/1997	---	---	---
	6/18/1998	3.57	0.0	582.94
	12/2/1998	4.08	0.0	582.43
	6/30/1999	2.86	0.0	583.65
	12/1/1999	5.53	0.0	580.98
	7/10/2000	1.35	0.0	585.16
MW-30	12/11/1996	---	---	---
{586.74}	6/20/1997	---	---	---
	12/9/1997	---	---	---
	6/18/1998	2.65	0.0	584.09
	12/2/1998	2.85	0.0	583.89
	6/30/1999	1.87	0.0	584.87
	12/1/1999	4.68	0.0	582.06

TABLE 3
Historic Groundwater Elevations
Former Shell Distribution Terminal
1626 South Harbor Drive, Milwaukee, Wisconsin

Well ID {Top-of-Casing Elevation}	Date Sampled	Depth to Water (ft btoc)	LNAPL Thickness (ft)	Ground Water Elevation (ft MSL)
MW-30 cont'd	7/10/2000	2.90	0.0	583.84
MW-31	12/11/1996	---	---	---
{590.94}	6/20/1997	---	---	---
	12/9/1997	---	---	---
	6/18/1998	8.14	0.0	582.80
	12/2/1998	9.08	0.0	581.86
	6/30/1999	7.65	0.0	583.29
	12/1/1999	9.99	0.0	580.95
	7/10/2000	7.02	0.0	583.92
MW-32	12/11/1996	---	---	---
{589.85}	6/20/1997	---	---	---
	12/9/1997	---	---	---
	6/18/1998	7.75	0.0	582.10
	12/2/1998	9.12	0.0	580.73
	6/30/1999	7.62	0.0	582.23
	12/1/1999	10.06	0.0	579.79
	7/10/2000	7.10	0.0	582.75
MW-33	12/11/1996	---	---	---
{588.55}	6/20/1997	---	---	---
	12/9/1997	---	---	---
	6/18/1998	7.1	0.0	581.45
	12/2/1998	8.66	0.0	579.89
	6/30/1999	Well Destroyed		

Notes:
Top of Casing Elevation = Top of well casing, feet above mean sea level, surveyed on 6/18/98
ft btoc = feet below top of casing
ft MSL = feet above mean sea level
--- = Not measured

As an employee of Shell Oil Company (Shell), I certify that legal description presented below of the Former Shell Distribution Terminal is complete and accurate. Shell never owned and no longer leases the property described below.

"That part of the northeast one-quarter (1/4) of Section 4, Township 6 North, Range 22 East of the 4th principal meridian, bounded and described as follows:

Commencing at the northwest corner of said section; running thence easterly along the north line of said section north 89° 56' 29" east a distance of two thousand, six hundred, thirty-four and seventy-five hundredths (2634.75) feet to a point being on the easterly line of South Harbor Drive; running thence southerly along said easterly street line south 20° 11'57" east five hundred, sixty-two and seventeen hundredths (562.17) feet to a point; running thence north 69° 48' 03" east fifty-seven and no hundredths (57.00) feet to the point of beginning of the parcel of land to be described; continuing thence north 69° 48' 03" east four hundred, thirty-eight and eighty-eight hundredths (438.88) feet to a point; running thence south 18° 02' 19" east five hundred, thirty-two and thirty-four hundredths (532.34) feet to a point; running thence south 13° 13' 45" east fifty-four and seventy-six hundredths (54.76) feet to a point; running thence on a circular curve to the right having a radius of five hundred, eleven and sixty-seven hundredths (511.67) feet, for an arc distance of four hundred, seventy-nine and eighty-eight hundredths (479.88) feet and having a chord distance of four hundred, sixty-two and forty-seven hundredths (462.47) feet with a bearing of south 13° 38' 19" west to a point; running thence south 71° 57' 41" west two hundred, forty-five and ninety-four hundredths (245.94) feet to a point being on the easterly line of South Harbor Drive; running thence northerly along said easterly street line north 18° 02' 19" west six hundred, thirty-one and sixty-two (631.62) feet to a point; running thence north 6° 12' 10" west two hundred, seventy-eight and thirty-one hundredths (278.31) feet to a point; running thence north 20° 11' 57" west fifty-nine and ninety-six hundredths (59.96) feet to the point of beginning."

Irving B. Jenkins
Shell Oil Company
Remediation Manager

December 28, 2001
Date