GIS REGISTRY INFORMATION

SITE NAME: OKLAHOMA PUMP

BRRTS #: 03-41-004567 | **FID # (if appropriate):** 241120990

COMMERCE # (if appropriate):

CLOSURE DATE: 10-31-2008

STREET ADDRESS: 3425 W. OKLAHOMA

CITY: MILWAUKEE

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 686500 Y= 281528

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

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

IF YES, STREET ADDRESS 1:

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

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

IF YES, STREET ADDRESS 1:

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

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

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter or denial letter issued	X
Copy of any maintenance plan referenced in the final closure letter.	X
Copy of (soil or land use) deed notice *if any required as a condition of closure*	N/A
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	
County Parcel ID number, *if used for county*, for all affected properties 533-045-000-0	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	Not Available
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)	N/A
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	N/A

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8606
TTY 414-263-8713

October 31, 2008

Mr. Oliver De Groot
N27 W29909 Maple Avenue #4
Pewaukee, WI 53072

SUBJECT: Final Case Closure - Oklahoma Pump
3425 W. Oklahoma Avenue, Milwaukee, WI 53066
FID#: 241120990; BRRTS #: 03-41-0004567

Dear Mr. De Groot:

In March, 1999, your site as described above was reviewed for closure by the Department of Natural Resources (Department). The Department reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On March 10, 1999, you were notified that conditional closure was granted to this case.

On October 31, 2008, the Department received correspondence indicating that you have complied with the conditions of the closure. The conditions of closure required the responsible party (RP) to: a) place a soil deed restriction and groundwater use restriction on the property; b) abandon the monitoring wells and c) notify the local municipality (City of Milwaukee) about groundwater contamination and potential soil impact on the right-of-way of West Oklahoma Avenue. In lieu of the groundwater use restriction, the RP had opted to implement groundwater and soil GIS registry. Based on the correspondence and data provided, it appears that your site has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

FUTURE EXCAVATION OF RESIDUAL CONTAMINATED SOIL

Residual soil contamination remains at the site underneath the brick building and at three other locations as indicated in the information (Figure 3, Extent of Soil Impacts) submitted to the Department. If soils in these specific locations are excavated in the future, the property owner at the time of excavation will be required to sample and analyze the excavated soils to determine whether the contamination still remains. All current and future owners and occupants of the property need to be aware that excavation of the contaminated soils may pose an inhalation or other direct contact hazard at the time of excavation. Special precautions may need to be taken during excavation activities to prevent a direct contact health threat to humans. Based upon the results of sample analysis, the current owner will also have to properly store, treat, or dispose of any excavated materials, in accordance with state and federal laws.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit http://dnr.wi.gov/org/aw/rr/gis/index.htm. If your property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain

approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line http://www.dnr.state.wi.us/org/water/dwg/3300254.pdf or at the web address listed above for the GIS Registry.

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

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact me at (414) 263-8639.

Sincerely,

Eric Amadi

Eric Amadi
Hydrogeologist - SER/Milwaukee

cc: Thomas Sweet - Moraine Environmental, Inc.
Bill Phelps - DG/2
SER Case File #: 03-41-004567

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Regional Headquarters
2300 N. Dr. ML King Drive, PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8483
TDD 414-263-8713

March 10, 1999

Mr. Dennis Polzin
Oklahoma Pump
3425 W. Oklahoma Ave.
Milwaukee, WI 53215

FID 241120990
BRRTS 0341004567

Subject: Closure request for Oklahoma Pump located at 3425 W. Oklahoma Ave., Milwaukee, WI

Dear Mr. Polzin:

The Department has reviewed your most recent submittal, dated January 18, 1999, and any other relevant information pertaining to this site. The Department concurs with your consultant that no further action is necessary at this time.

All Monitoring wells must be abandoned within 60 days in accordance to ch. NR 141.25, WAC. A deed restriction is required for closure because there is soil remaining on the property above the NR 720, WI Adm. Code (WAC) residual contaminate levels (RCLs). Please use option 1 from the Department's interim guidance on institutional controls which deals with structural impediments. A groundwater use restriction is also required for closure because there is groundwater contamination remaining above the NR 140, WAC, Enforcement Standards (ES). In the groundwater use restriction, please include the most recent sampling date, contaminate concentrations, and contaminate types from MW-3, MW4, and MW-5. Also include that MW-3 and MW-5 were excavated. The groundwater use restriction shall also contain a specific legal description of the property; the location, type, and concentrations of contaminants; and must include the standard language:

> *"Natural attenuation has been approved by the Department of Natural Resources to remediate groundwater exceeding ch. NR 140 groundwater standards within the boundaries of this property. Construction of wells where the water quality exceeds the drinking water standards in ch. NR 809 is restricted by chs. NR 811 and NR 812. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply. Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater to determine what specific requirements are applicable prior to constructing or reconstruction a well on this property."*

Interim guidance on institutional controls may be found on the DNR's web site (http://www.dnr.state.wi.us) by searching "RR PDF Documents" or by calling the publication request line at (608)264-6009.

After groundwater use and deed restriction drafts approval, receipt of a certified copy of the groundwater use and deed restriction with appropriate maps and/or figures, and receipt of monitoring well abandonment documentation this site will be in compliance with ch. NR 700-726, WAC, and will be officially closed and tracked as such on the Department's tracking system.

For expedient processing, please send all future correspondence to the attention of RR Program Assistant at the above address. Please include that I, Michelle McGee, am the current reviewer of the case.

If you have any questions regarding this letter, please contact me at the above address or at (414)263-8644.

Sincerely,

Michelle M. McGee

Michelle M. McGee
Hydrogeologist
Remediation and Redevelopment Program

cc: Jeff Larkin, Moraine Environmental
SER case file

DOCUMENT NO.

STATE BAR OF WISCONSIN FORM 1
WARRANTY DEED
THIS SPACE RESERVED FOR RECORDING DATA

This Deed, made between OPEN PANTRY FOOD MARTS OF WISCONSIN, INC.

Grantor

and OLIVER R. DE GROOT AND CHARLENE D. DE GROOT, husband and wife

Grantee,

Witnesseth, That the said Grantor, for a valuable consideration Open Pantry Food Marts of Wisconsin, Inc.

conveys to Grantee the following described real estate in Milwaukee County, State of Wisconsin:

RETURN TO Oliver DeGroot
8245 Cascade Ct.
Franklin, Wi 53132

Tax Key No. 533-0405-0

Lot Four (4), Five (5) and Six (6), in Block Two (2), in Lukaszewicz and Gapinski Subdivision, being a part of the North East one-quarter (¼) of Section Thirteen (13), in Township Six (6) North, Range Twenty-one (21) East, in the City of Milwaukee, Milwaukee County, Wisconsin.

3425 W. Oklahoma Ave.

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

Together with all and singular the hereditaments and appurtenances thereunto belonging;

And Open Pantry Food Marts of Wisconsin Inc.

warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except restrictions and easements of record and municipal and local zoning ordinances effecting the use of the premises, if any.

and will warrant and defend the same.

Dated this 16th day of December, 1983

(SEAL)

*

(SEAL)

*

(SEAL)

* OPEN PANTRY FOOD MARTS OF WISCONSIN, INC.

(SEAL)

*

AUTHENTICATION

Signatures authenticated this ..... day of ....., 19.....

*

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

THIS INSTRUMENT WAS DRAFTED BY

William A. Heinlein

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

ACKNOWLEDGMENT

STATE OF WISCONSIN
Racine County. } ss.

Personally came before me, this 16th day of December 1983 the above named Robert W. Buhler, President - Open Pantry Food Marts of Wisconsin, Inc.

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

* John W. Kis

Notary Public Racine County, Wis.
My Commission is permanent. (If not, state expiration date: March 8, 1987, 19.....)

*Names of persons signing in any capacity should be typed or printed below their signatures.

LUKASZEWICZ AND CAPINSKI SUBDIVISION

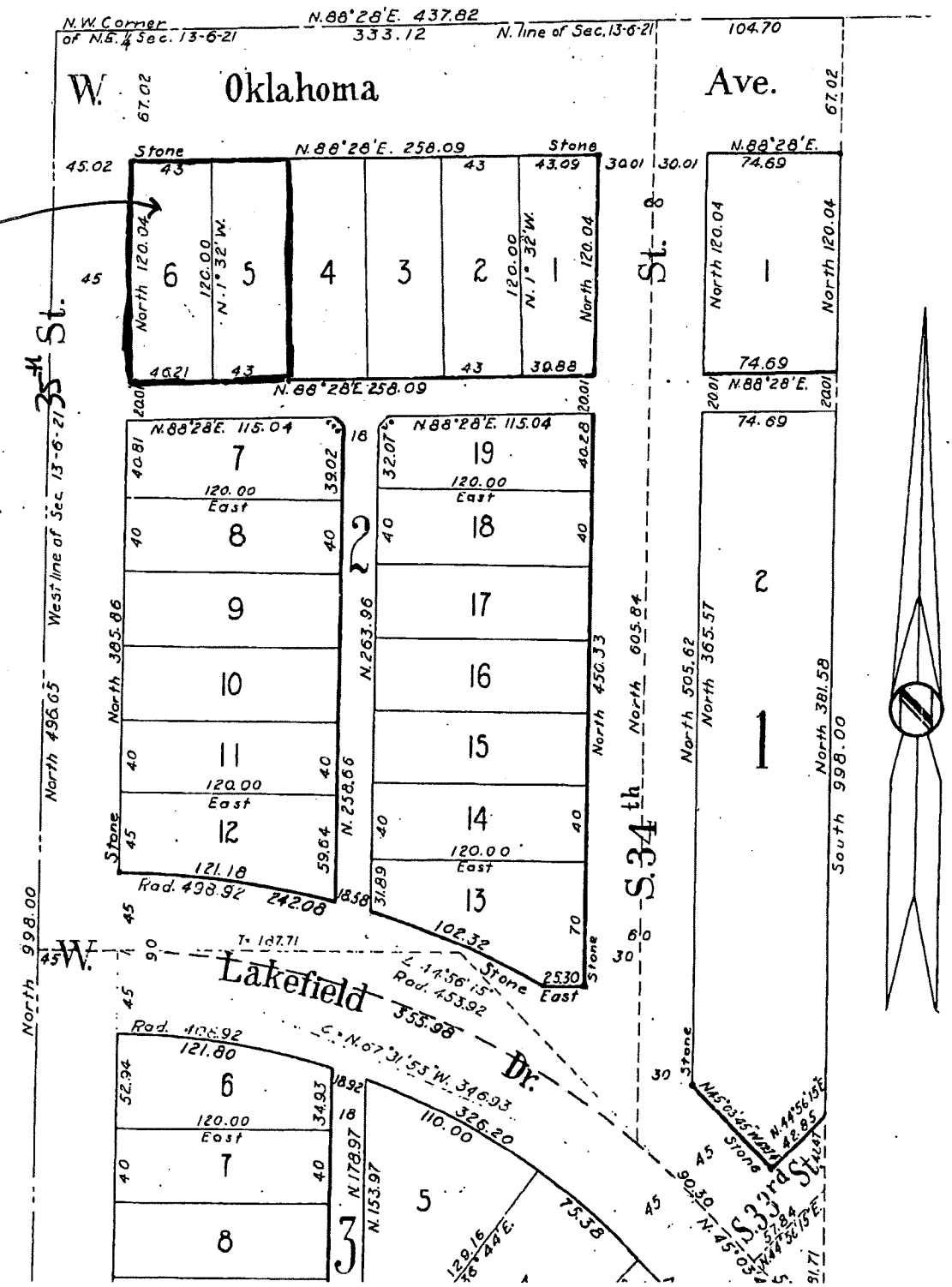
533
W.P.A.
6918

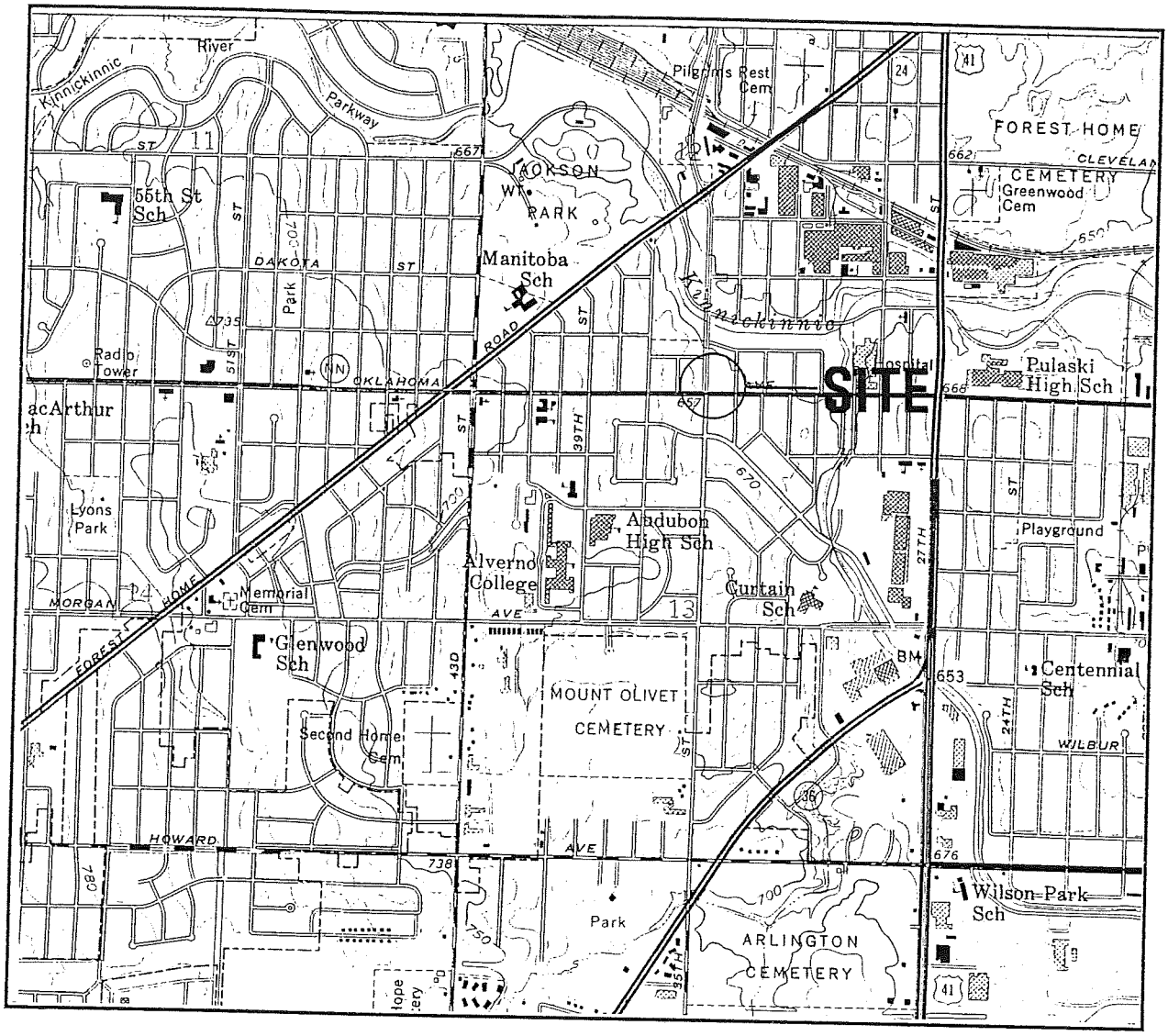
BEING A PART OF THE NORTHEAST 1/4 SEC. 13, T. 6N., R. 21E.
CITY OF MILWAUKEE

Surveyor Arthur H. Schneider
Date Dec. 14, 1929
Recorded Apr. 10, 1930
Vol. # 47 Page # 55
Doc. # 1772951

Traced by R. C. Moser
Checked by J. W. Eviston
Date April 8, 1938
Entered by Peter F. Pinter
Checked by Chas. Owen
Date March 19th 1936
Vol. # 27 Page # 66
W.P.A. 943

Scale: 1" = 50'





SITE LOCATION

SCALE 1:24,000

DRAWING TITLE

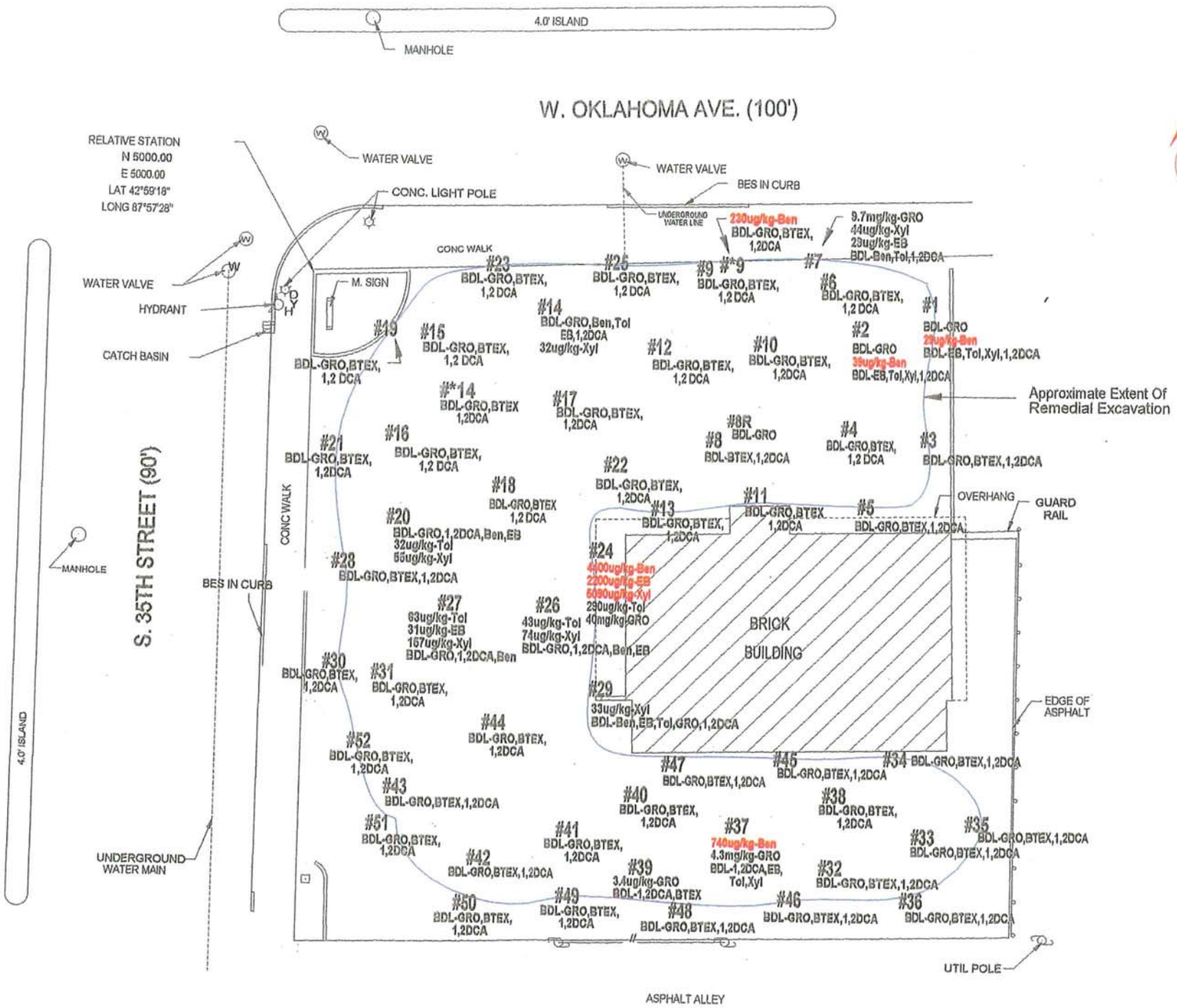
SITE LOCATION MAP

PROJECT NAME

Oklahoma Pump
3425 West Oklahoma Avenue
Milwaukee, Wisconsin 53215

PROJECT NUMBER	DRAWING COMPANY
0451	Moraine Environmental, Inc.
SCALE 1:24,000	DATE 7-17-95

FIGURE 1



N

Remedial Excavation
Sample Location And Detectable
VOC Concentration Map

Figure 1

Oklahoma Pump

LEGEND

BDL - Below Detection Limit
GRO - Gasoline Range Organics
Ben - Benzene
Tol - Toluene
EB - Ethylbenzene
Xyl - Total Xylenes
BTEX - Benzene,Toluene,Ethylbenzene,Xylene
1,2DCA - 1,2 Dichloroethane

Concentrations In Red Indentify Nr 720 Exceedence

NOTE:
BOUNDRY LINES APPROXIMATE

Approximate Scale

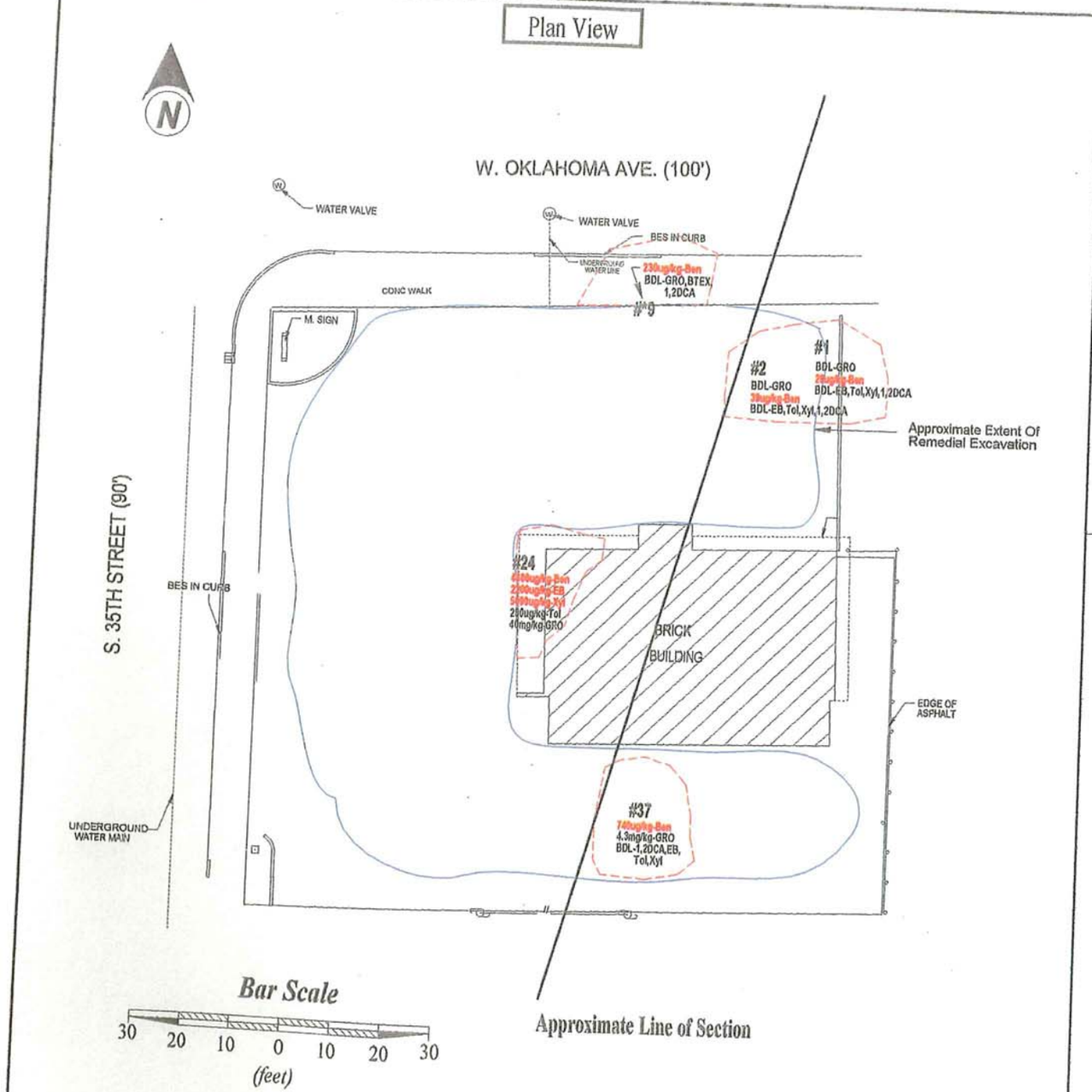
20' 15' 10' 5' 0' 5' 10' 15' 20'

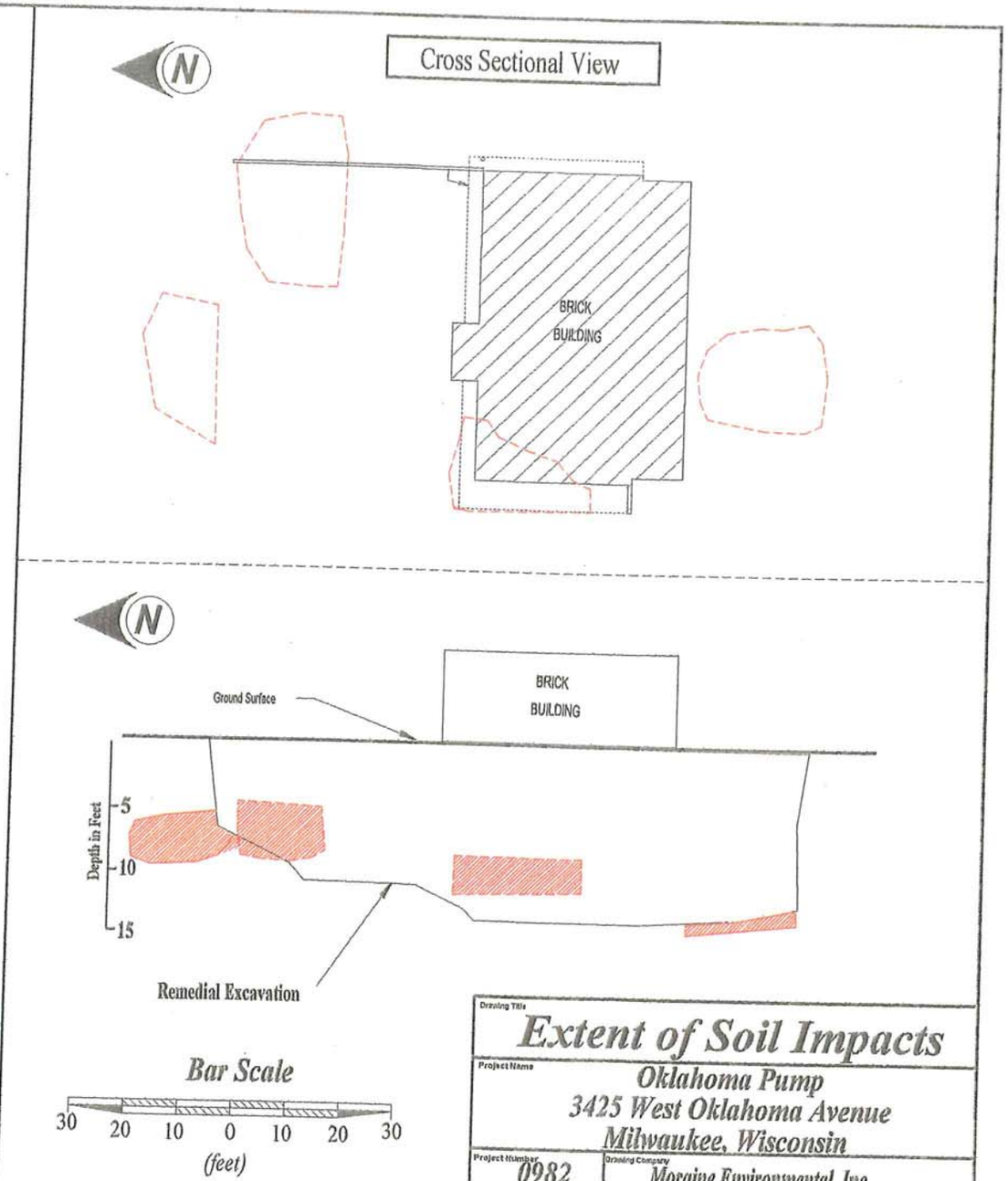
DRAWING SITE LOCATION

Oklahoma Pump

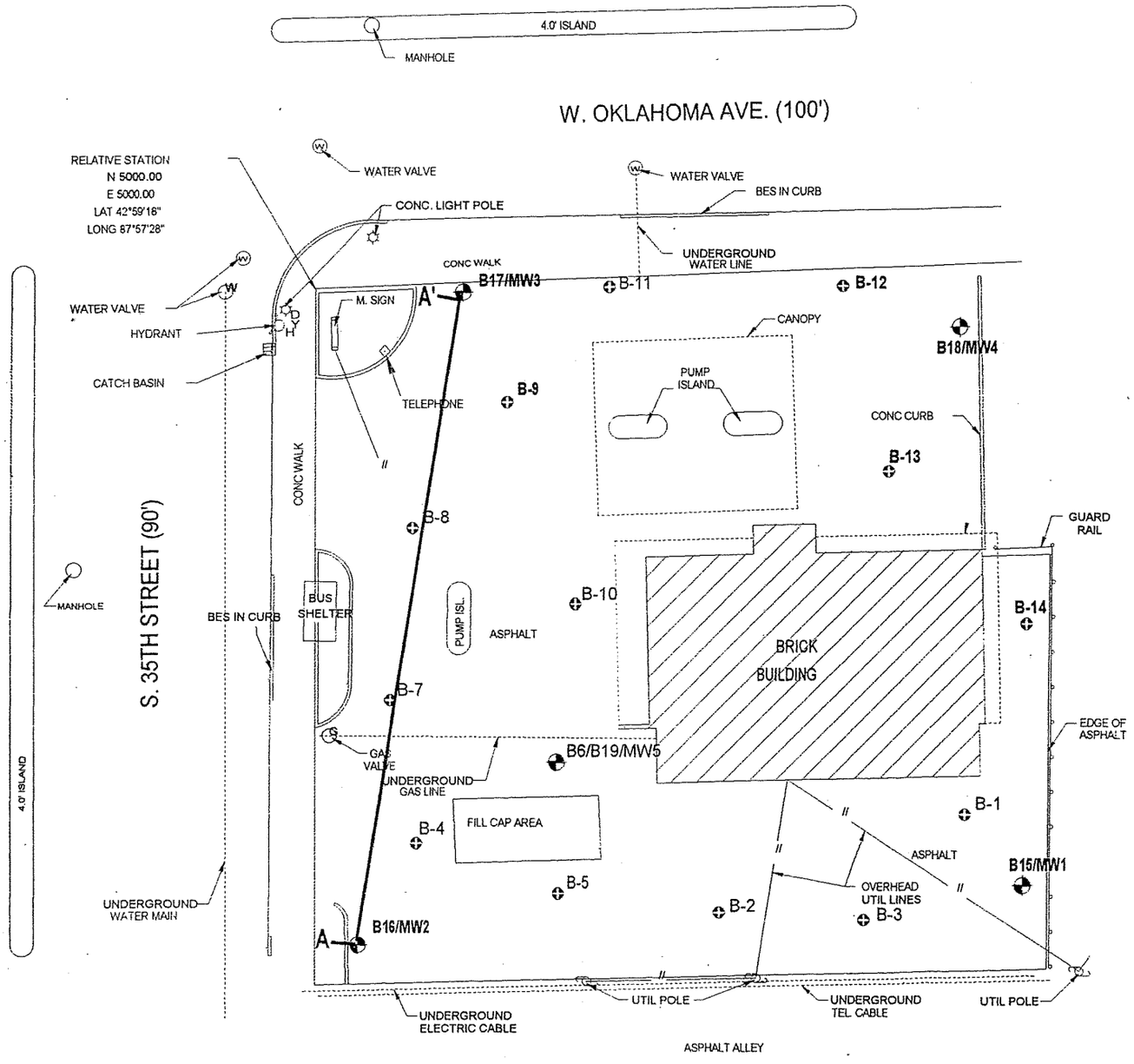
3425 West Oklahoma Ave. Milwaukee, Wisconsin

APPROXIMATE SCALE	DATE OF DRAWING	FIGURE NUMBER
1" = 20'	11-8-95	FIGURE 1





Drawing Title: **Extent of Soil Impacts**		
Project Name: Oklahoma Pump, 3425 West Oklahoma Avenue, Milwaukee, Wisconsin		
Project Number: 0982	Drawing Company: Moraine Environmental, Inc.	
Scale: 1" = 30'	Date: 7-23-98	Figure: Figure 3



LEGEND

HYDRANT	SAN — SANITARY SEWER LINE
WATER VALVE	ST — STORM SEWER LINE
SANITARY SEWER MANHOLE	W — WATER MAIN
STORM SEWER MANHOLE	WS — WATER SERVICE
STORM SEWER INLET	G — GAS MAIN
CATCH BASIN	T — TELEPHONE LINE
GAS VALVE	E — ELECTRIC LINE
ELECTRIC MANHOLE	OH — OVERHEAD ELECTRIC LINE
UTILITY POLE	C — CABLE TV LINE
LIGHT POLE	STP — STORM SEWER LINE (FROM PLAN)
TREE	SANP — SANITARY SEWER LINE (FROM PLAN)
TELEPHONE MANHOLE	GP — GAS LINE (FROM PLAN)
SANITARY SEWER VAULT	WP — WATER LINE (FROM PLAN)
CONC. POST	COMB — COMBINATION LINE
INDICATES 1" IRON PIPE FD.	CHAIN LINK FENCE
TRAFFIC SIGN	

NOTE:
BOUNDRY LINES APPROXIMATE

N

Geologic Cross Section Location Map

Figure 5
Oklahoma Pump

APPROXIMATE SCALE
0 10 20
20

SITE MAP

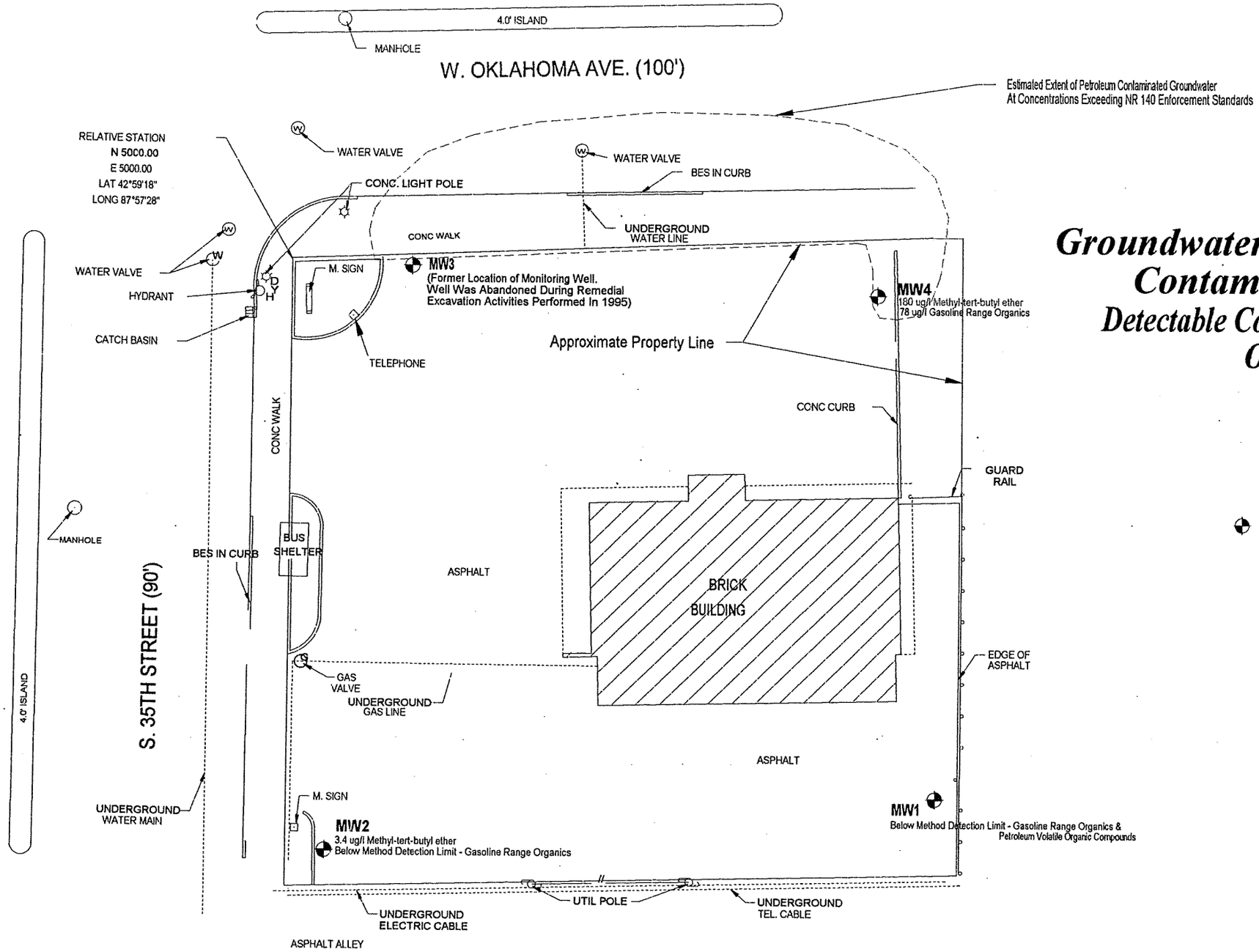
PART OF THE NORTHEAST 1/4 OF SECTION 13, TOWNSHIP 6 NORTH, RANGE 21 EAST, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.

DRAWING SITE LOCATION

Oklahoma Pump

3425 West Oklahoma Ave. Milwaukee, Wisconsin

APPROXIMATE SCALE	DATE OF DRAWING	FIGURE NUMBER
1" = 20'	12-7-95	FIGURE 5



Groundwater Quality and Estimated Contaminant Extent Map

Detectable Concentrations Only - 12-16-97

Oklahoma Pump

Figure 3

Groundwater Monitoring Well Location

Results Expressed In Red Identify NR 140 Enforcement Standard Exceedence

Approximate Scale 1" = 20'

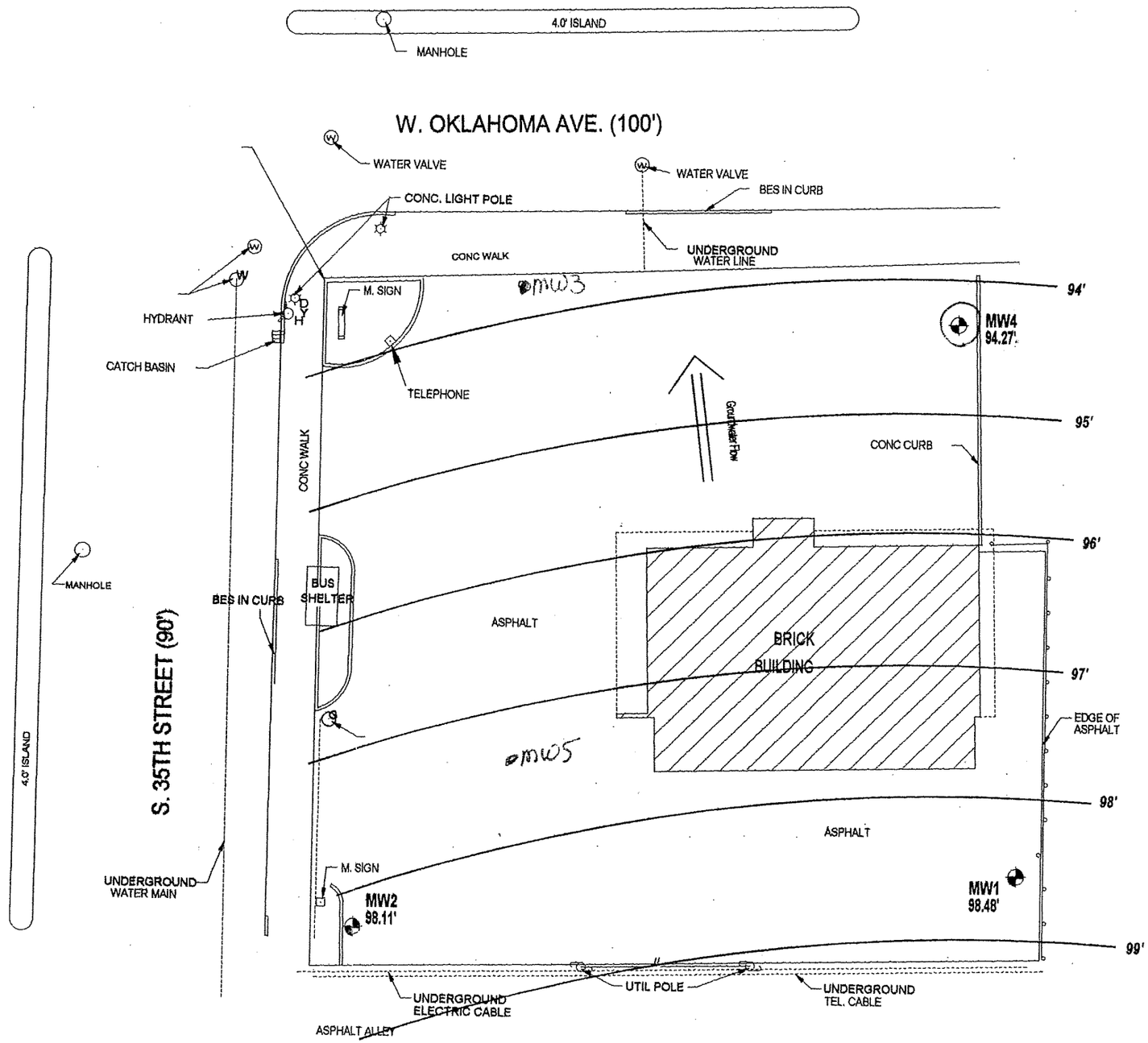
30' 20' 10' 0' 10' 20' 30'

DRAWING SITE LOCATION

Oklahoma Pump

3425 West Oklahoma Ave. Milwaukee, Wisconsin

APPROXIMATE SCALE	DATE OF DRAWING	DRAWING NAME	FIGURE NUMBER
1" = 20'	12-16-97	0982fg3b	FIGURE 3



Groundwater Elevation Map
12/16/97 Data
Oklahoma Pump
Figure 4

Groundwater Monitoring Well Location

Approximate Scale 1" = 20'

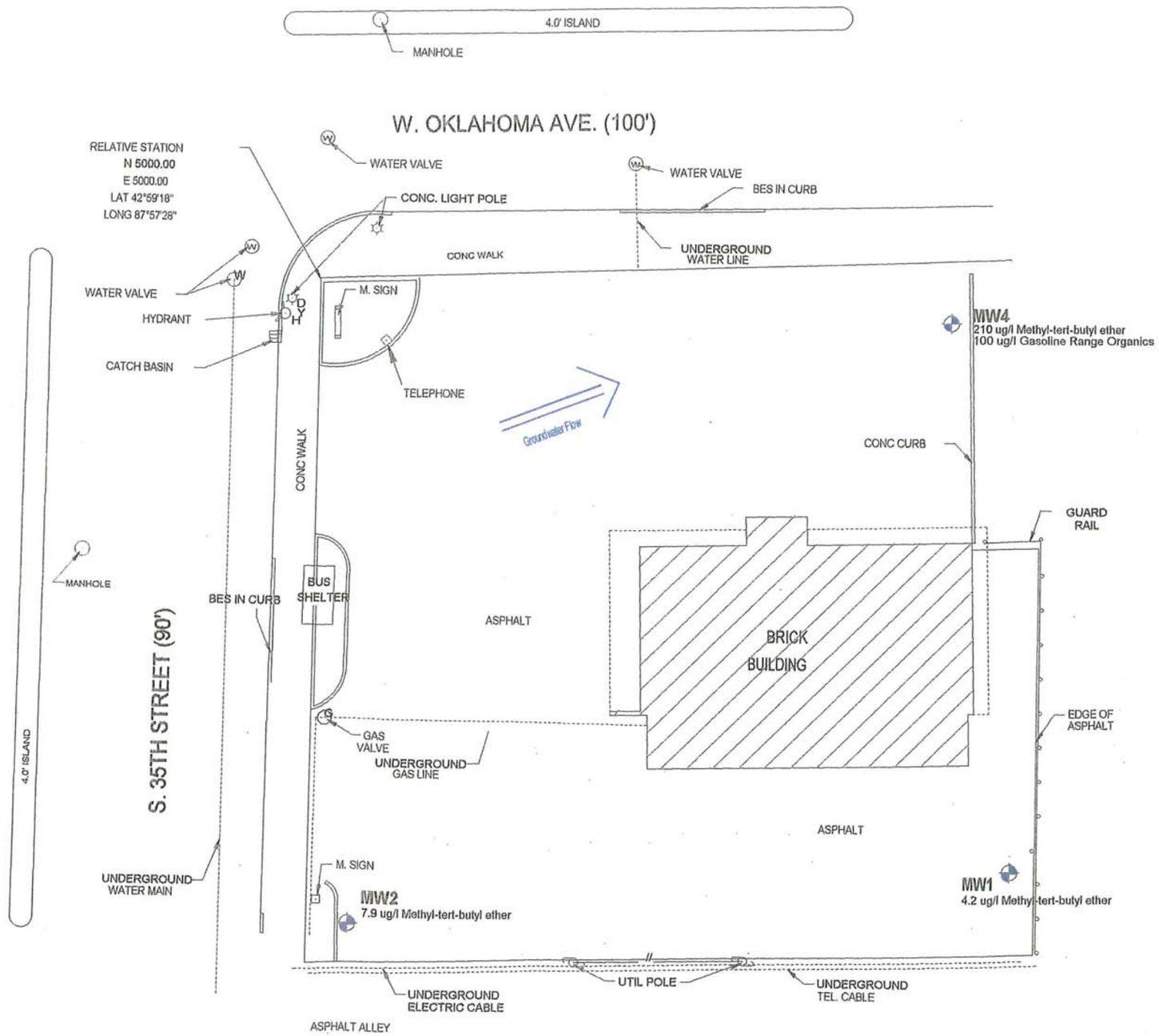
30' 20' 10' 0' 10' 20' 30'

DRAWING SITE LOCATION

Oklahoma Pump

3425 West Oklahoma Ave, Milwaukee, Wisconsin

APPROXIMATE SCALE	DATE OF DRAWING	FIGURE NUMBER
1" = 20'	11-14-97	FIGURE 4



Groundwater Quality Map
Detectable Concentrations Only - 9-11-97
Oklahoma Pump
Figure 3

Groundwater Monitoring Well Location

Approximate Scale 1" = 20'

30' 20' 10' 0' 10' 20' 30'

DRAWING SITE LOCATION

Oklahoma Pump

3425 West Oklahoma Ave. Milwaukee, Wisconsin

APPROXIMATE SCALE	DATE OF DRAWING	FIGURE NUMBER
1" = 20'	11-14-97	FIGURE 3

TABLE 7
SCREENING AND LABORATORY RESULTS FOR REMEDIATION ACTIVITIES (a)
DETECTABLE CONCENTRATIONS ONLY
OKLAHOMA PUMP

Sample ID	Sample Location	Depth (feet)	PID (OVM units)	GRO (mg/kg)	Benzene (ug/kg)	n-Butylbenzene(ug/kg)	Ethylbenzene (ug/kg)	Methylene Chloride (ug/kg)	Methyl tert butyl ether (ug/kg)	Naphthalene (ug/kg)	Toluene (ug/kg)	1,2,4-Trimethylbenzene (ug/kg)	1,3,5-Trimethylbenzene (ug/kg)	Xylenes (ug/kg)	Total Lead (ug/kg)	2-Chlorotoluene (ug/kg)	Trichlorofluoromethane (ug/kg)
1	East Wall	6	ND	<2.9	29	<25	<25	<25	72	<25	<25	<25	<25	<25	9.8	<25	<25
2	East Base	7	0.8	<2.9	39	<25	<25	<25	390	<25	<25	<25	<25	<25	10	<25	<25
3	East Wall	6	2.2	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	9.3	93	<25
4	East Base	7	3.0	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	9.5	<25	<25
5	Side Wall	6	3.0	<2.8	<25	<25	<25	<25	100	<25	<25	<25	<25	<25	11	<25	<25
6	N.E. Base	9	3.0	<2.9	<25	<25	<25	35	<25	<25	<25	<25	<25	<25	8.4	<25	<25
7	N.E. Wall	5.5	4.0	9.7	<25	42	29	36	230	49	<25	<25	40	44	7.8	<25	<25
8	South Base	11	3.0	**	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	7.6	<25	<25
8R	Base	11	ND	<2.9	**	**	**	**	**	**	**	**	**	**	**	**	**
9	North Wall	6	ND	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	11	<25	<25
*9	N. Wall	6	4.8	<2.9	230	<25	<25	<25	760	<25	<25	<25	<25	<25	9.6	<25	<25
10	North Base	11.5	3.0	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	8.2	<25	<25
11	South Wall	6	1.8	<2.9	<25	<25	<25	<25	98	<25	<25	<25	<25	<25	12	<25	41
12	North Base	13	3.0	<2.9	<25	<25	<25	42	<25	<25	<25	<25	<25	<25	10	<25	<25
13	South Wall	6	ND	<2.9	<25	<25	<25	40	140	<25	<25	<25	<25	<25	11	<25	<25
14	Northwest Base	11	ND	<2.9	<25	<25	<25	44	120	<25	<25	<25	<25	32	8	<25	<25
*14	N. Base	11	2.5	<2.9	<25	<25	<25	<25	33	<25	<25	<25	<25	<25	10	<25	<25
15	North Base	12.5	3.9	<2.8	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	12	<25	<25
16	Base	13.5	ND	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	12	<25	<25
17	Base	13	1.9	<2.8	<25	<25	<25	<25	72	<25	<25	<25	<25	<25	11	<25	<25
18	Base	13.5	13	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	8.0	<25	<25
19	Northwest Wall	9	3.2	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	8.9	<25	<25
20	Base West	10	10	<2.9	<25	<25	<25	<25	<25	<25	32	33	<25	55	10	<25	<25
21	N.W. Wall	9	2.8	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	9.2	<25	<25
22	South Base	12	3.7	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	10	<25	<25
23	N. Wall	9.5	4.0	<3.0	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	7.9	<25	<25
24	E. Wall	8.5	65	40	4400	<120	2200	<120	<120	<120	290	<120	<12	5090	7.3	<120	<120
25	N. Wall	9.5	10	<2.9	<25	<25	<25	<25	470	<25	<25	<25	<25	<25	9.0	<25	<25
26	Base	12	3.9	<2.9	<25	<25	<25	<25	<25	<25	43	35	<25	74	9.9	<25	<25
27	Base	13	4.8	<2.9	<25	<25	31	<25	<25	<25	63	77	<25	157	11	<25	<25
28	Sidewall	8	3.1	<2.9	<25	<25	<25	<25	250	<25	<25	<25	<25	<25	7.5	<25	<25
29	Sidewall	9.5	4.8	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	33	11	<25	<25
30	Wall	7	2.0	<2.8	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	9.1	<25	<25

TABLE 7
SCREENING AND LABORATORY RESULTS FOR REMEDIATION ACTIVITIES (a)
DETECTABLE CONCENTRATIONS ONLY
OKLAHOMA PUMP

Sample ID	Sample Location	Depth (feet)	PID (OVM units)	GRO (mg/kg)	Benzene (ug/kg)	n-Butylbenzene(ug/kg)	Ethylbenzene (ug/kg)	Methylene Chloride (ug/kg)	Methyl tert butyl ether (ug/kg)	Naphthalene (ug/kg)	Toluene (ug/kg)	1,2,4-Trimethylbenzene (ug/kg)	1,3,5-Trimethylbenzene (ug/kg)	Xylenes (ug/kg)	Total Lead (ug/kg)	2-Chlorotoluene (ug/kg)	Trichlorofluoromethane (ug/kg)
31	Base	12	1.5	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	9.2	<25	<25
32	Base	10	3.8	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	7.1	<25	<25
33	Base	7	1.2	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	8.1	<25	<25
34	Wall	5	1.0	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	8.9	<25	<25
35	Wall	5	2.8	<2.8	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	7.9	<25	<25
36	Wall	5	3.0	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	8.7	<25	<25
37	Base	14	2.9	4.3	740	<25	<25	<25	700	<25	<25	<25	<25	<25	8.9	<25	<25
38	Base	12	1.5	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	11	<25	<25
39	Base	13	1.4	3.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	9.9	<25	<25
40	Base	14	0.1	<2.9	<25	<25	<25	46	<25	<25	<25	<25	<25	<25	9.8	<25	<25
41	Base	14	<5	<2.9	<25	<25	<25	41	<25	<25	<25	<25	<25	<25	9.2	<25	<25
42	Base	10	<5	<3.0	<25	<25	<25	44	<25	<25	<25	<25	<25	<25	11	<25	<25
43	Base	8	<5	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	9.3	<25	<25
44	Base	14	<5	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	9.3	<25	<25
45	N. Wall	9	**	<25	<25	<25	<25	<25	230	<25	<25	31	<25	<25	7.4	<25	<25
46	S. Wall	7	<5	<3.0	<25	<25	<25	38	<25	<25	<25	<25	<25	<25	7.4	<25	<25
47	N. Wall	9	**	<2.8	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	10	<25	<25
48	S. Wall	9	<5	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	16	<25	<25
49	South Wall	9	<5	<2.9	<25	<25	<25	36	<25	<25	<25	<25	<25	<25	9.5	<25	<25
50	S. Wall	8	<5	<3.0	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	10	<25	<25
51	West Wall	5	<5	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	10	<25	<25
52	West Wall	6	<5	<2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	8.9	<25	<25
NR 720 Generic Cleanup Standard				250	5.5	NES	2900	NES	NES	NES	1500	NES	NES	4100	50	NES	NSE

KEY:
(a) - See Appendix O for complete analytical reports received from the laboratory.
ND - No Detection
NES - No Established Standard
mg/kg - milligrams per kilograms (equivalent to ppm)
ug/kg - micrograms per kilograms (equivalent to ppb)
** - Not Analyzed
Shaded values indicate measured levels above NR720 generic cleanup standards.

TABLE 3
SOIL QUALITY RESULTS - SOIL BORINGS
OKLAHOMA PUMP

Chemical	B1 8-10'	B1 12-14'	B2 10-12'	B2 16-18'	B3 2-4'	B3 10-12'	B4 4-6'	B4 16-18'	B5 8-10"	B5 14-16'	B6 6-8"	B6 12-14'	B7 2-4'	B7 8-10'	B8 2-4'	B8 8-10'	B9 2-4'	B9 10-12'
Gasoline Range Organics (GRO)	8.9	<2.9	5.7	<2.9	<3.0	<2.9	<2.9	<3.0	<2.9	<2.9	1200	3.3	27	<2.9	180	<3.0	<2.9	3.0
Lead	3.8	5.8	<3.8	4.4	4.8	<3.6	4.1	3.8	4.8	4.3	8.1	9.2	8.8	9.4	8.8	10	6.3	9.0
Detectable VOCs																		
Benzene	<0.6	<0.6	1900	1.4	<0.6	<0.6	2.3	<0.6	<0.6	<0.6	180	<0.6	3500	4.0	1900	0.7	92	58
n-Butylbenzene	NA	NA	<150	NA	NA	<0.8	<0.8	NA	<0.8	NA	1400	NA	NA	<0.8	3900	NA	NA	<0.8
sec-Butylbenzene	NA	NA	<150	NA	NA	<0.8	<0.7	NA	<0.7	NA	240	NA	NA	<0.7	870	NA	NA	<0.7
2-Chlorotoluene	NA	NA	<150	NA	NA	<0.9	<0.9	NA	<0.9	NA	<140	NA	NA	<0.9	<720	NA	NA	<1.0
1,2 Dichloroethane	<0.6	<0.6	<150	<0.6	<0.6	<0.5	<0.5	<0.6	<0.6	<0.6	<140	<0.6	<0.6	<0.6	<720	<0.6	<3.1	<0.6
Dichlorodifluoromethane	NA	NA	<590	NA	NA	<0.3	<0.3	NA	2.0	NA	<570	NA	NA	<0.4	<2,900	NA	NA	NA
Ethyl Benzene	<0.6	<0.6	<150	<0.6	<0.6	<0.6	2.3	<0.6	<0.6	<0.6	2100	<0.6	2100	1.0	15000	<0.6	160	0.9
Isopropylbenzene	NA	NA	<150	NA	NA	<0.7	<0.7	NA	<0.7	NA	290	NA	NA	<0.7	1200	NA	NA	<0.7
p-Isopropyltoluene	NA	NA	<150	NA	NA	<0.7	<0.7	NA	<0.7	NA	470	NA	NA	<0.7	<720	NA	NA	<0.7
Methylene Chloride	NA	NA	<590	NA	NA	<0.6	<0.6	NA	<0.6	NA	<570	NA	NA	<0.6	<2,900	NA	NA	<0.6
Methyl-Tert-Butyl-Ether	2.8	<0.5	<150	61	10	<0.5	65	<0.5	<0.5	2.3	<140	<0.5	14	8.9	<720	3.2	10	16
Naphthalene	NA	NA	<300	NA	NA	<1.2	<1.1	NA	<1.2	NA	3900	NA	NA	<1.2	6100	NA	NA	<1.2
n-Propylbenzene	NA	NA	<150	NA	NA	<0.7	<0.7	NA	<0.7	NA	1600	NA	NA	<0.7	6000	NA	NA	<0.7
Toluene	0.8	<0.5	<150	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2200	<0.5	2000	1.3	28000	0.7	<2.5	2.7
Trichlorofluoromethane	NA	NA	<150	NA	NA	<0.7	1.7	NA	<0.7	NA	<140	NA	NA	1.0	<720	NA	NA	<0.7
1,2,4-Trimethylbenzene	<0.8	<0.8	<150	<0.8	<0.9	<0.8	1.3	<0.8	<0.8	<0.8	14000	<0.8	58	<0.8	39,000	<0.8	<4.4	1.5
1,3,5-Trimethylbenzene	<0.8	<0.8	<150	<0.8	<0.9	<0.8	<0.8	<0.8	<0.8	<0.8	4100	<0.8	29	<0.8	13,000	<0.8	<4.4	<0.8
Xylenes, m+p	<1.0	<0.9	<150	<1.0	<1.0	<0.9	1.4	<1.0	<0.9	<0.9	7900	<0.9	210	<0.9	51000	<0.9	25	3.1
Xylenes, o	<0.7	<0.7	<150	<0.7	<0.7	<0.7	1.4	<0.7	<0.7	<0.7	3800	<0.7	2200	<0.7	19000	<0.7	18	0.9

Key:
N/D = Indicates no Detectable Analyte at or Above the Listed Detection Limit
N/A = Not Analyzed
GRO, DRO and Lead Expressed in mg/kg
VOC/PVOC Expressed in ug/kg
(a) = Tested for Ignitability and Free Liquids
Shading indicates results above WDNR generic soil cleanup standards.

TABLE 3 (CONTINUED)
SOIL QUALITY RESULT-SOIL BORINGS
OKLAHOMA PUMP

Chemical	B10 4-6'	B10 8-10'	B10 14-16'	B10 16-18'	B11 6-8'	B11 10-12'	B12 6-8'	B12 8-10'	B13 4-6'	B-13 10-12	B-14 6-8	B-14 10-12	B15 4-6	B15 8-10	B16 8-10	B16 12-14	B17 8-10	B17 14-16	B18 8-10	B18 10-12
Gasoline Range Organics (GRO)	**600**	4.8	5.8	3.0	25	3.0	<3.0	<2.9	<2.9	<3.0	<2.9	<2.9	<3.0	<3.0	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9
Lead	18	NA	NA	NA	4.6	7.3	5.8	8.4	6.6	8.1	8.2	7.9	7.6	7.4	8.7	8.4	9.5	8.4	9.8	9.1
Detectable VOCs																				
Benzene	**1800**	NA	NA	NA	**230**	<0.6	**510**	<0.6	**49**	<0.6	1.4	3.2	<25	<25	<25	<25	<25	<25	<25	<25
n-Butylbenzene	9700	NA	NA	NA	<3.9	NA	<3.9	NA	<0.8	NA	NA	<0.8	NA	<25	NA	<25	<25	NA	NA	<25
sec-Butylbenzene	2600	NA	NA	NA	3.7	NA	<3.4	NA	<0.7	NA	NA	<0.7	NA	<25	NA	<25	<25	NA	NA	<25
2-Chlorotoluene	<580	NA	NA	NA	<4.5	NA	<4.5	NA	1.8	NA	NA	<1.0	NA	<25	NA	<25	<25	NA	NA	<25
1,2 Dichloroethane	<580	NA	NA	NA	<2.8	<0.6	<2.8	<0.6	<0.6	<0.6	**5.9**	**7.1**	<25	<25	<25	<25	<25	<25	<25	<25
Dichlorodifluoromethane	NA	NA	NA	NA	5.6	NA	<1.7	NA	<0.3	NA	NA	4.4	NA	<25	NA	<25	<25	NA	NA	<25
Ethyl Benzene	**9300**	NA	NA	NA	21	<0.6	8.0	<0.6	1.5	<0.6	0.8	0.9	<25	<25	<25	<25	<25	<25	<25	<25
Isopropylbenzene	2100	NA	NA	NA	47	NA	<3.4	NA	<0.7	NA	NA	<0.7	NA	<25	NA	<25	<25	NA	NA	<25
p-Isopropyltoluene	1800	NA	NA	NA	<3.4	NA	<3.4	NA	<0.7	NA	NA	<0.7	NA	<25	NA	<25	<25	NA	NA	<25
Methylene Chloride	<2,300	NA	NA	NA	<2.8	NA	<2.8	NA	0.9	NA	NA	2.0	NA	<25	NA	<25	<25	NA	NA	<25
Methyl-Tert-Butyl-Ether	<580	NA	NA	NA	24	<0.5	100	2.8	31	<0.5	1.1	6.1	<25	<25	<25	<25	57	<25	<25	70
Naphthalene	5000	NA	NA	NA	39	NA	14	NA	<1.2	NA	NA	1.6	NA	<25	NA	<25	<25	NA	NA	<25
n-Propylbenzene	8400	NA	NA	NA	130	NA	<3.4	NA	<0.7	NA	NA	<0.7	NA	<25	NA	<25	<25	NA	NA	<25
Toluene	**4800**	NA	NA	NA	15	<0.5	33	<0.5	3.0	<0.5	3.8	<0.5	<25	<25	<25	<25	<25	<25	<25	<25
Trichlorofluoromethane	<580	NA	NA	NA	<3.4	NA	<3.4	NA	<0.7	NA	NA	5.7	NA	<25	NA	<25	<25	NA	NA	<25
1,2,4-Trimethylbenzene	56000	NA	NA	NA	390	<0.8	11	<0.8	<0.8	<0.8	<0.8	<0.8	<25	<25	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	19000	NA	NA	NA	92	<0.8	3.9	<0.8	<0.8	<0.8	<0.8	<0.8	<25	<25	<25	<25	<25	<25	<25	<25
Xylenes, m + p	**40000**	NA	NA	NA	220	<0.9	27	<0.9	3.2	<0.9	2.3	2.7	<25	<25	<25	<25	<25	<25	<25	<25
Xylene, o	**13000**	NA	NA	**NA**	19	<0.7	6.8	<0.7	**1.2**	<0.7	<0.7	<0.7	<25	<25	<25	<25	<25	<25	<25	<25

Key:
N/D = Indicates no Detectable Analyte at or Above the Listed Detection Limit
N/A = Not Analyzed
GRO, DRO and Lead Expressed in mg/kg
VOC/PVOC Expressed in ug/kg
(a) = Tested for Ignitability and Free Liquids
Shading indicates results above WDNR generic soil cleanup standards.
Note: No samples were collected from soil boring B 19 because of its close proximity to soil boring B6.

TABLE 1

GROUNDWATER QUALITY RESULTS - DETECTABLE GRO and PVOC CONCENTRATIONS ONLY

OKLAHOMA PUMP

September 7, 1995 through December 16, 1997

Compounds	MW-1						MW-2						MW-3						MW-4						MW-5						Enforcement Standards	Preventive Action Limit
	9-7-95	3-6-96	1-29-97	4-23-97	9-11-97	12-16-97	9-7-95	3-6-96	1-29-97	4-23-97	9-11-97	12-16-97	9-7-95	3-6-96	1-29-97	4-23-97	9-11-97	12-16-97	9-7-95	3-6-96	1-29-97	4-23-97	9-11-97	12-16-97	9-7-95	3-6-96	1-29-97	4-23-97	9-11-97	12-16-97		
Gasoline Range Organics	*	*	*	*	*	*	*	*	*	*	*	*	1000	WA	WA	WA	WA	WA	200	160	56	140	100	78	10000	WA	WA	WA	WA	WA	NES	NES
Benzene	*	*	*	*	*	*	*	*	*	*	*	*	470	WA	WA	WA	WA	WA	*	*	*	*	*	*	1700	WA	WA	WA	WA	WA	5.0	0.5
Ethyl Benzene	*	*	*	*	*	*	*	*	*	*	*	*	*	WA	WA	WA	WA	WA	*	*	*	*	*	*	130	WA	WA	WA	WA	WA	700	140
Methyl-tert-butyl-ether	52	21	8.5	2.9	4.2	*	66	40	15	11	7.9	3.4	920	WA	WA	WA	WA	WA	450	220	120	260	210	180	350	WA	WA	WA	WA	WA	60	12
Toluene	*	*	*	*	*	*	*	*	*	*	*	*	*	WA	WA	WA	WA	WA	*	*	*	*	*	*	2200	WA	WA	WA	WA	WA	343	68.6
1,2,4-Trimethylbenzene	*	*	*	*	*	*	*	*	*	*	*	*	*	WA	WA	WA	WA	WA	*	*	*	*	*	*	210	WA	WA	WA	WA	WA	NES	NES
1,3,5-Trimethylbenzene	*	*	*	*	*	*	*	*	*	*	*	*	*	WA	WA	WA	WA	WA	*	*	*	*	*	*	59	WA	WA	WA	WA	WA	NES	NES
Xylenes (m, p, o)	*	*	*	*	*	*	*	*	*	*	*	*	*	WA	WA	WA	WA	WA	*	*	*	*	*	*	1820	WA	WA	WA	WA	WA	620	124

Key:

* = Below Method Detection Limit
NES = No Established Standard
WA = Monitoring Well Excavated during remedial excavation activities
Shaded Box = NR 140 ES Exceedence
All results expressed in micrograms/liter (u/gl).

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Moraine Environmental, Inc.
Environmental Management Services

October 20, 2007

Moraine Project No. 2866

Mr. Jeffery S. Polenske, City Engineer
City of Milwaukee
841 N. Broadway, Room #701
Milwaukee, WI 53202

Ms. Marchia Lindholm, Manager,
Central Drafting and Records
City of Milwaukee
841 N. Broadway, Room #802
Milwaukee, WI 53202

Current Owner:
Oliver R. DeGroot
N27 W29909 Maple Ave.
Pewaukee, WI 53092

RE: Notice of Groundwater Contamination at and adjacent to Oklahoma Pump, 3425 W. Oklahoma Ave., Milwaukee, WI

In the process of closing remedial actions at 3425 W. Oklahoma Avenue, we are notifying you of groundwater contamination that may have resulted from the former operations of a gas station at the property.

A release of petroleum was reported to state authorities on October 20, 1994. The release was detected from an underground gasoline tank system and fueling islands.

Through drilling and sampling work, Moraine estimates that contaminated groundwater extends north into the right – of – way (ROW) of West Oklahoma Avenue as depicted in Figure 3, attached.

We are notifying you that the ROW property to the north of the subject property and any utility corridors are impacted by the petroleum contamination. The depth of this contamination in the groundwater extends approximately 12 to 14 feet below grade based on the information we have obtained and seasonal fluctuations. Please be advised to protect workers who may come in contact with contaminated groundwater at the subject property or ROW, pumping and disposal of groundwater may be required.

Please file this notice with the department or official responsible for maintaining the affected utilities and / or ROW.

Address: http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm

In order to close environmental actions at a property with groundwater contamination, the Wisconsin Department of Natural Resources (WDNR) has required that the property

be listed in the state's Geographic Information System (GIS). The GIS is the WDNR's system for inventorying property with residual soil and groundwater contamination.

If you have any questions or comments, you may contact me at (262) 377-9060.

Sincerely,
MORAINE ENVIRONMENTAL, INC.

Thomas C. Sweet
President

Enclosed:
Figure 3, Estimated Groundwater Contaminant Extent Map
Table 1 – Groundwater Quality Results

cc: Eric Amadi
Dennis Polzin
Atty. Othman Atta