GIS REGISTRY INFORMATION

SITE NAME: [redacted] Lincoln Warehouse

BRRTS #: 02-41-544664 **FID # (if appropriate):** 241624960

COMMERCE # (if appropriate):

CLOSURE DATE: 3-6-08

STREET ADDRESS: 2018 S. First

CITY: Milwaukee

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 690289 Y= 283729

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

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

IF YES, STREET ADDRESS 1:

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

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

IF YES, STREET ADDRESS 1:

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

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

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter or denial letter issued	✓
Copy of any maintenance plan referenced in the final closure letter.	NA
Copy of (soil or land use) deed notice *if any required as a condition of closure*	NA
Copy of most recent deed, including legal description, for all affected properties	~~X~~ missing
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	NA
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)	NA
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.**	NA
GW: Table of water level elevations, with sampling dates, and free product noted if present	NA
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	NA
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour	~~X~~ missing
Geologic cross-sections, *if required for SI.* (8.5x14' if paper copy)	NA
RP certified statement that legal descriptions are complete and accurate	X
Copies of off-source notification letters (if applicable)	NA
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	NA

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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 711

March 6, 2008

Mr. Richard Gold
Lincoln Warehouse Realty, LLC c/o Gold Assoc.
271 Salem Street
Woburn, MA 01801-2004

FID# 241024960
BRRTS# 02-41-544664

Subject: Final Case Closure for the Richard Gold Property, 2018 South 1st St., Milwaukee

Dear Mr. Gold:

On February 29, 2008, the Wisconsin Department of Natural Resources (Department) received the items necessary to complete our closure review of the above-referenced site. The Department reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. Based on the correspondence and data provided, it appears that your case meets the requirements of ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time.

Remaining Residual Soil Contamination

Residual soil contamination remains at FS-B6 and FS-B8 as indicated in the information submitted to the Department of Natural Resources. If soil in the specific locations described above is excavated in the future, then pursuant to ch. NR 718 or, if applicable, ch. 289, Stats., and chs. 500 to 536, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

GIS Registry

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

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

Information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit http://dnr.wi.gov/org/aw/rr/gis/index.htm.

Chapter NR 140, Wis. Adm. Code Exemption

Recent groundwater monitoring data at this site indicates exceedances of the ch. NR 140, Wis. Adm. Code, enforcement standard for selenium at MW-1, MW-3 and PZ-1A. The Department may grant an exemption for a substance of public welfare concern, or nitrate, pursuant to s. NR 140.28(4)(a), Wis. Adm. Code, if actions have been taken to achieve the lowest possible concentration for that substance which is technically and economically feasible and the existing or anticipated increase in the concentration of that substance does not present a threat to public health or welfare.

Based on the information you provided, the Department believes that the above criteria have been or will be met. Therefore, pursuant to s. NR 140.28(4)(a), Wis. Adm. Code, an exemption to the enforcement standard for selenium at MW-1, MW-3 and PZ-1A is granted. This letter serves as your exemption.

Pursuant to s. NR 140.28(4)(c), Wis. Adm. Code, the Department shall take action under s. NR 140.26 if it determines that an increase in concentration of selenium causes an increased threat to public health or welfare.

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

We appreciate your efforts to investigate this release to the environment at this site. If you have any questions regarding this letter, please contact me at (414) 263-8366.

Sincerely,

Brenda H. Boyce

Brenda H. Boyce, PG
Hydrogeologist
Bureau for Remediation & Redevelopment

c: Sarah Ganswindt - NRT

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, 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 711

May 24, 2007

Mr. Richard Gold
Lincoln Warehouse Realty, LLC c/o Gold Assoc.
271 Salem Street
Woburn, MA 01801-2004

FID# 241024960
BRRTS# 02-41-544664

Subject: Case Closure Review for the Richard Gold Property, 2018 South 1st St., Milwaukee

Dear Mr. Gold:

The Wisconsin Department of Natural Resources (Department) received your request for case closure of the above-referenced site on March 16, 2007. The Department reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of your closure request, it appears your site has been adequately investigated and may be eligible for case closure if certain minimum closure requirements are met. Once you complete the tasks below, your site will be reconsidered for closure.

- **Soil GIS Registry Packet and Fee**

Your closure request cannot be reviewed until you submit a complete closure request, including a soil GIS registry packet and the associated $200 fee. GIS registry is required for the exceedance of the NR 720 RCL for lead at FS-B8. Once you submit the missing fee and information, your site will be reconsidered for closure.

Please provide a site map that shows the property boundaries, structures, right-of-ways, easements, underground utilities, river, soil boring and well locations.

The report states that the lead-impacted soil may have been removed during construction by MMSD. If you can document the removal and disposal of the lead impacted soil in the area of FS-B8, the GIS registry may not be required.

- **Well Abandonment Forms**

The report indicates that the monitoring wells were abandoned by MMSD prior to the installation of new asphalt pavement. Please provide copies of the monitoring well and piezometer abandonment forms.

- **Investigative Waste Removal**

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

When all the above requirements have been satisfied, please submit a letter, together with any required documentation, to let me know that applicable requirements have been met, and your case will again be reviewed for closure. We appreciate your efforts to investigate this release to the environment at this site. If you have any questions regarding this letter, please contact me at (414) 263-8366.

Sincerely,

Brenda H. Boyce

Brenda H. Boyce, PG
Hydrogeologist
Bureau for Remediation & Redevelopment

c: Katherine Juno - NRT

DOCUMENT NO.

WARRANTY DEED
STATE OF WISCONSIN - FORM 2

THIS SPACE RESERVED FOR RECORDING DATA

This indenture, Made this 1st day of July A. D., 19 86 between HUFFY CORPORATION, a Corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Wisconsin, party of the first part, and RICHARD L. GOLD

party of the second part.

Witnesseth, That the said party of the first part, for and in consideration of the sum of one dollar and other good and valuable consideration to it paid by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, has given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents does give, grant, bargain, sell, remise, alien, convey, and confirm unto the said party of the second part, his heirs and assigns forever, the following described real estate, situated in the County of Milwaukee, State of Wisconsin, to-wit:

RETURN TO

*For legal description see reverse side

(IF NECESSARY, CONTINUE DESCRIPTION ON REVERSE SIDE)

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 party 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.

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 to his heirs and assigns FOREVER.

And the said HUFFY CORPORATION party of the first part, for itself and its successors, does covenant, grant, bargain and agree to and with the said party of the second part, his heirs and assigns, that at the time of the ensealing and delivery of these presents it is well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that the same are free and clear from all incumbrances whatever, except municipal and zoning ordinances; recorded easements and the general real estate taxes since January 1, 1986.

and that the above bargained premises in the quiet and peaceable possession of the said party of the second part, his heirs, and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, it will forever WARRANT and DEFEND.

In Witness Whereof, the said HUFFY CORPORATION party of the first part, has caused these presents to be signed by WILLIAM A. HUFFMAN its Vice President-Marketing and countersigned by ROBERT R. WIELAND, its Secretary, at ~~Milwaukee~~ DAYTON ~~Wisconsin~~ OHIO, and its corporate seal to be hereunto affixed, this 1st day of July A. D., 19 86

SIGNED AND SEALED IN PRESENCE OF

HUFFY CORPORATION
Corporate Name

Marlene Roof
MARLENE ROOF

Jean Calhoun
Jean Calhoun

Vice President - Marketing
WILLIAM A. HUFFMAN

COUNTERSIGNED:
ROBERT R WIELAND
Secretary

STATE OF ~~WISCONSIN~~ OHIO
MONTGOMERY County. } ss.

Personally came before me, this 20th day of June A. D., 19 86, William A. Huffman Vice President/Marketing and Robert R. Wieland Secretary of the above named Corporation, to me known to be the persons who executed the foregoing instrument, and to me known to be such President and Secretary of said Corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of said Corporation, by its authority.

THIS INSTRUMENT WAS DRAFTED BY

NOTARY SEAL

Maxine S. McCabe
MAXINE S MCCABE
Notary Public, MONTGOMERY County, OHIO
My commission (expires) (is) ~~MAXINE S. McCABE Notary Public, State of Ohio~~ March 28, 1990

(Section 59.11 (1) of the Wisconsin Statutes provides that all instruments to be recorded shall have plainly printed thereon the names of the grantors, grantees, witnesses and notary. Section 59.513 similarly requires that the name of the person who, or governmental agency which, drafted such instrument, shall be printed, typewritten, stamped or written thereon in a legible manner.)

Legal Description:

A part of Block One (1) in J.A. Becher's Subdivision, of a part of the East One-half (1/2) of the Southeast One-quarter (1/4) of Section Five (5), Township Six (6) North, Range Twenty-two (22) East, in the City of Milwaukee, Milwaukee County, Wisconsin, described as follows: Beginning at the intersection of the North line of East Becher Street with the East line of South 1st Street and running thence North along the East line of South 1st Street 150.00 feet to a point; thence East and parallel with the North line of East Becher Street 182.60 feet to a point; thence Southerly on a curved line deflecting to the left with a radius 1,491.69 feet to a point in the North line of East Becher Street 164.63 feet East of the point of beginning; thence West along the North line of East Becher Street 164.63 feet to the point of beginning.

AND a part of said Block One (1) described as:
Beginning at a point which is found by measuring from the intersection of the North line of East Becher Street with the East line of South 1st Street Northerly along the East line of South 1st Street 430.17 feet to a point; thence Easterly at right angles to said East line of South 1st Street 259.56 feet to the point of beginning of the land to be described; running thence Northwesterly on a curve deflecting to the right with a radius of 120.00 feet (center Northeast) a distance of 78.76 feet (measured on the arc) to a point in the established dock line on the South side of the Kinnickinnic River which point is 226.30 feet South 79° 31' 09" East from the intersection of said Dock line with the East line of South 1st Street; thence North 79° 31' 09" West along the said Dock line 226.30 feet to the East line of South 1st Street; thence Southerly along the East line of South 1st Street 385.74 feet to a point which is 150.00 feet North of the point of intersection of said East line of South 1st Street with the North line of East Becher Street as measured along said East line of South 1st Street; thence Easterly parallel with the North line of East Becher Street 182.60 feet to a point; thence Northeasterly on a curve deflecting to the right with a radius of 1,491.69 feet (center Southeast) 289.00 feet, more or less, to the point of beginning, the bearing of the above dock line being measured from the true or astronomical meridian.

EXCEPTING THEREFROM that part of Block One (1) in J.A. Becher's Subdivision in the Southeast One-quarter (1/4) of Section Five (5), Township Six (6) North, Range Twenty-two (22) East, described as follows: Commencing at the point of intersection of the east line of South 1st Street and the present north line of East Becher Street, said point also being in the Southwest corner of said Block 1; running thence North 1° 04' 30" East along the west line of Block 1 aforesaid, 40.01 feet to a point; thence South 39° 32' 16" East, 18.43 feet to a point which is 12.00 feet Easterly of and normal to the west line of said Block 1; thence South 79° 29' 55" East, 119.52 feet to a point which is 4.00 feet Northerly of and normal to the south line of said Block 1; thence due East and parallel with the south line of Block 1 aforesaid, 35.00 feet to a point in the westerly Right-of-Way Line of the Chicago and Northwestern Transportation Company, said point being in a curve; thence Southwesterly 4.02 feet along the arc of said curve which has a radius of 1,491.69 feet with its center to the East and whose chord bears South 5° 15' 16" West, 4.02 feet to a point in the south line of said Block 1; thence due West along the south line of Block 1 aforesaid, 164.63 feet to the point of commencement.

HURLEY ENGINEERING SERVICE, INC.

BROOKFIELD, WISCONSIN

ENGINEERS **LAND SURVEYORS**

PLAT OF SURVEY #4688 & D-129

DESCRIPTION: A part of Block One (1) in J.A. Becher's Subdivision, of a part of the East One-half (1/2) of the Southeast One-quarter (1/4) of Section Five (5), Township Six (6) North, Range Twenty-two (22) East, in the City of Milwaukee, Milwaukee County, Wisconsin, described as follows:
Beginning at the intersection of the North line of East Becher Street with the East line of South 1st Street and running thence North along the East line of South 1st Street 150.00 feet to a point; thence East and parallel with the North line of East Becher Street 182.60 feet to a point; thence Southerly on a curved line deflecting to the left with a radius of 1491.69 feet to a point in the North line of East Becher Street 164.63 feet East of the point of beginning; thence West along the North line of East Becher Street 164.63 feet to the point of beginning.

AND a part of said Block One (1) described as:
Beginning at a point which is found by measuring from the intersection of the North line of East Becher Street with the East line of South 1st Street Northerly along the East line of South 1st Street 430.17 feet to a point; thence Easterly at right angles to said East line of South 1st Street 259.56 feet to the point of beginning of the land to be described; running thence Northwesterly on a curve deflecting to the right with a radius of 120.00 feet (center Northeast) a distance of 78.76 feet (measured on the arc) to a point in the established dock line on the South side of the Kinnickinnic River which point is 226.30 feet South 79°31'09" East from the intersection of said Dock line with the East line of South 1st Street; thence North 79°31'09" West along the said Dock line 226.30 feet to the East line of South 1st Street; thence Southerly along the East line of South 1st Street 385.74 feet to a point which is 150.00 feet North of the point of intersection of said East line of South 1st Street with the North line of East Becher Street as measured along said East line of South 1st Street; thence Easterly parallel with the North line of East Becher Street 182.60 feet to a point; thence Northeasterly on a curve deflecting to the right with a radius of 1491.69 feet (center Southeast) 289.00 feet, more or less, to the point of beginning, the bearing of the above dock line being measured from the true or astronomical meridian.

EXCEPTING THEREFROM that part of Block One (1) in J.A. Becher's Subdivision in the Southeast One-quarter (1/4) of Section Five (5), Township Six (6) North, Range Twenty-two (22) East, described as follows:
Commencing at the point of intersection of the east line of South 1st Street and the present north line of East Becher Street, said point also being in the Southwest corner of said Block 1; running thence North 1°04'30" East along the west line of Block 1 aforesaid, 40.01 feet to a point; thence South 39°32'16" East, 18.43 feet to a point which is 12.00 feet Easterly of and normal to the west line of said Block 1; thence South 79°29'55" East, 119.52 feet to a point which is 4.00 feet Northerly of and normal to the south line of said Block 1; thence due East and parallel with the south line of Block 1 aforesaid, 35.00 feet to a point in the westerly Right-of-Way Line of the Chicago and Northwestern Transportation Company, said point being in a curve; thence Southwesterly 4.02 feet along the arc of said curve which has a radius of 1491.69 feet with its center to the East and whose chord bears South 5°15'16" West, 4.02 feet to a point in the south line of said Block 1, thence due West along the south line of Block 1 aforesaid, 164.63 feet to the point of commencement, subject to easement Document No. 1515224; easement Document No. 3509952; agreement Document No. 3640186 and easement Document No. 3892563.

STATE OF WISCONSIN
COUNTY OF WAUKESHA } SS.

I HAVE SURVEYED THE ABOVE DESCRIBED PROPERTY AND THE ABOVE MAP IS A TRUE REPRESENTATION THEREOF AND SHOWS THE SIZE AND LOCATION OF THE PROPERTY, ITS EXTERIOR BOUNDARIES, THE LOCATION AND DIMENSIONS OF ALL VISIBLE STRUCTURES THEREON, FENCES, APPARENT EASEMENTS AND ROADWAYS AND VISIBLE ENCROACHMENTS, IF ANY.

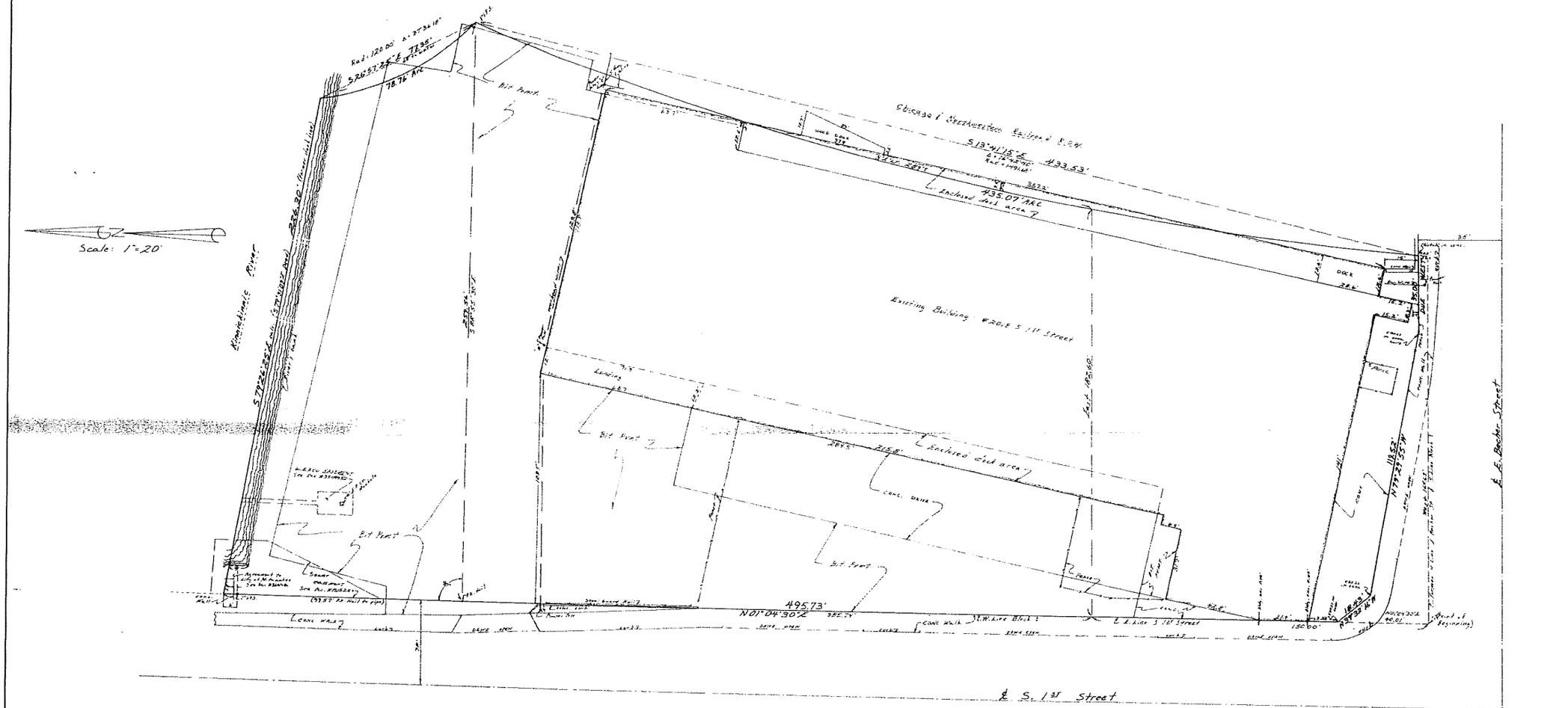
THIS SURVEY IS MADE FOR THE EXCLUSIVE USE OF THE PRESENT OWNERS OF THE PROPERTY, AND ALSO THOSE WHO PURCHASE, MORTGAGE, OR GUARANTEE THE TITLE THERETO WITHIN ONE (1) YEAR FROM DATE HEREOF.

NOT VALID UNLESS SEAL IS IMPRESSED HERE.

DATED AT Brookfield THIS 9TH DAY OF June 19 86 SIGNED: Edward A. Hurley

REGISTERED WISCONSIN LAND SURVEYOR NO. 1185

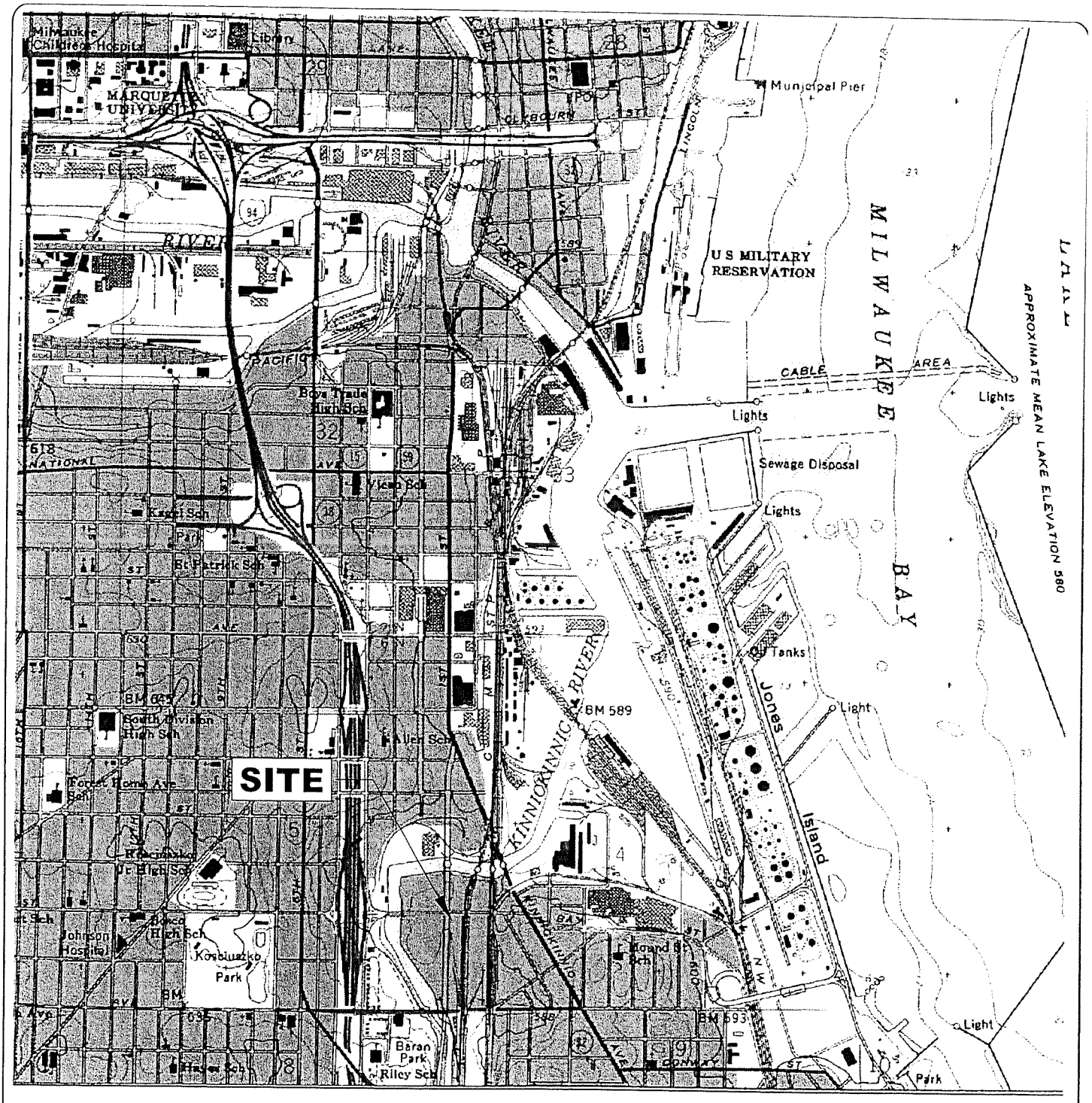
PHONE: 414-782-8799



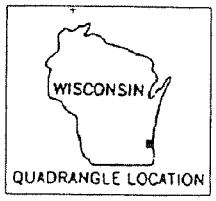
Prepared for: Huffman Manufacturing Corporation
2018 S. 1st Street
Milwaukee, WI.

Note: Point Poles "A" & "B" are overhead wires crossing same are subject to easement Document No. 3892563.

D-129
File #4608



SOURCE: EARTHVISIONS U.S. TERRAIN SERIES,
© EARTHVISIONS, INC. 603-433-8500.
USGS 7.5 MINUTE QUADRANGLE,
MILWAUKEE. DATED 1958.
PHOTOREVISED 1971.



N

0 2000 4000

SCALE IN FEET

CONTOUR INTERVAL 10 FEET

NATURAL RESOURCE TECHNOLOGY

SITE LOCATION MAP

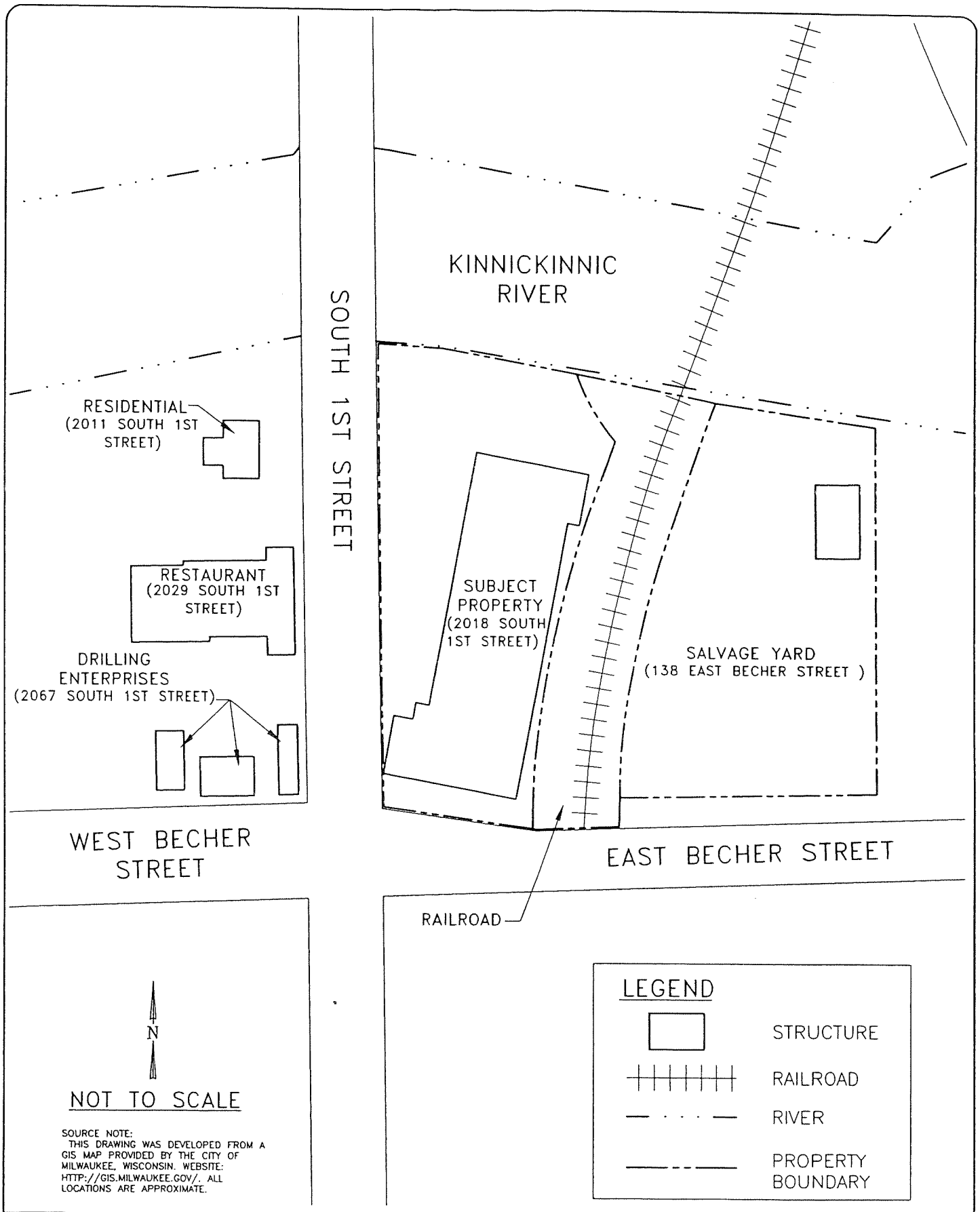
RICHARD GOLD PROPERTY
2018 SOUTH 1ST STREET
MILWAUKEE, WISCONSIN

PROJECT NO. 1791

DRAWING NO. 1791-1-A01

FIGURE NO. 1

DRAWN BY: BJK 01/24/07 APP'D BY: SAG DATE: 01/24/07



SOURCE NOTE:
THIS DRAWING WAS DEVELOPED FROM A GIS MAP PROVIDED BY THE CITY OF MILWAUKEE, WISCONSIN. WEBSITE: HTTP://GIS.MILWAUKEE.GOV/. ALL LOCATIONS ARE APPROXIMATE.

SITE VICINITY

NATURAL RESOURCE TECHNOLOGY

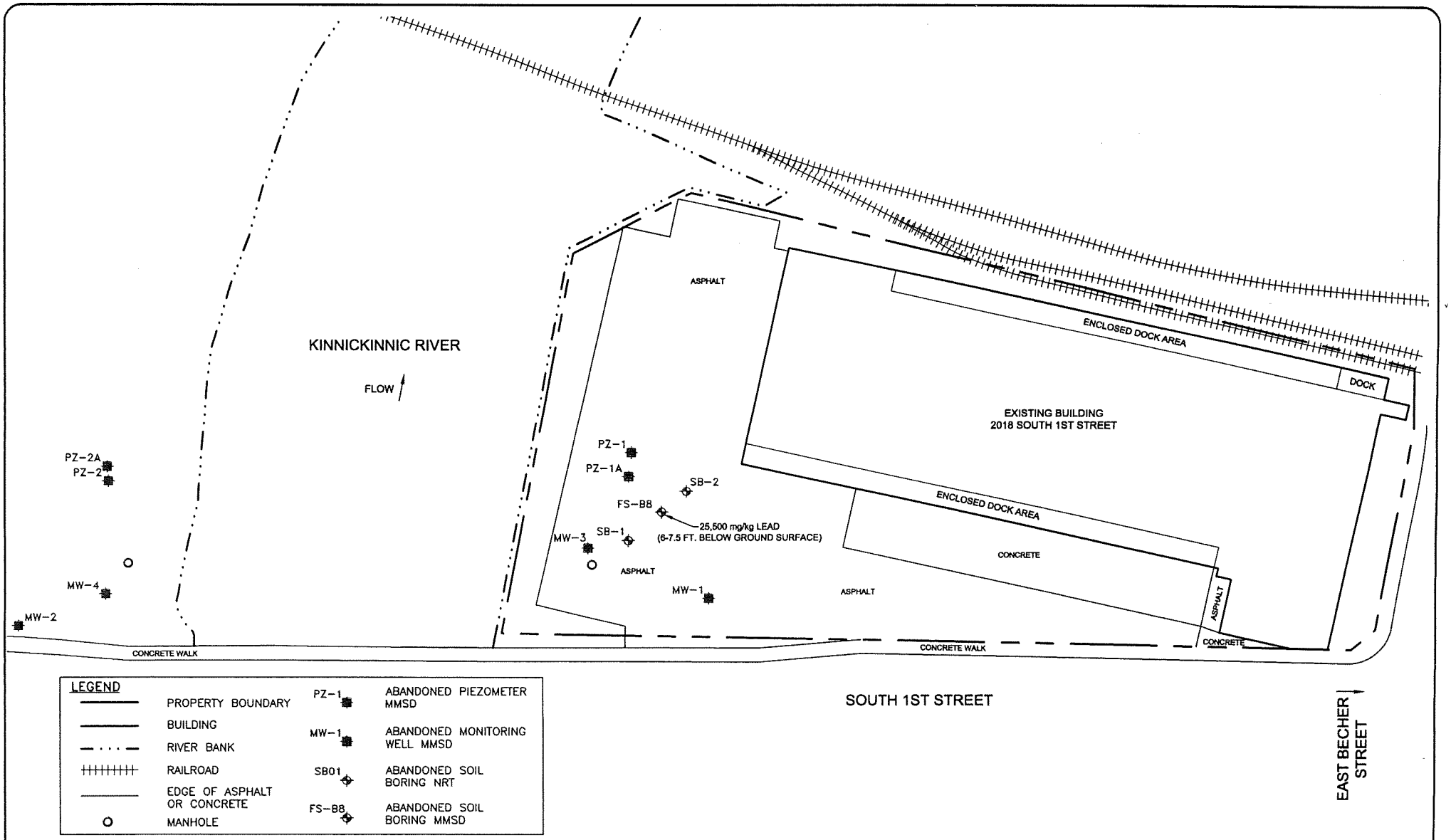
RICHARD GOLD PROPERTY
2018 SOUTH 1ST STREET
MILWAUKEE, WISCONSIN

DRAWN BY: BJK 07/13/07 APP'D BY: KMJ DATE: 08/10/07

PROJECT NO. 1791

DRAWING NO. 1791-1-A02

FIGURE NO. 2



LOCATION OF LEAD CONCENTRATIONS EXCEEDING RESIDUAL CONTAMINANT LEVELS

NATURAL RESOURCE TECHNOLOGY

RICHARD GOLD PROPERTY
2018 SOUTH 1ST STREET
MILWAUKEE, WISCONSIN

DRAWN BY: BJK 02/20/08 APP'D BY: KMJ DATE: 02/20/08

PROJECT NO.
1791/5.0

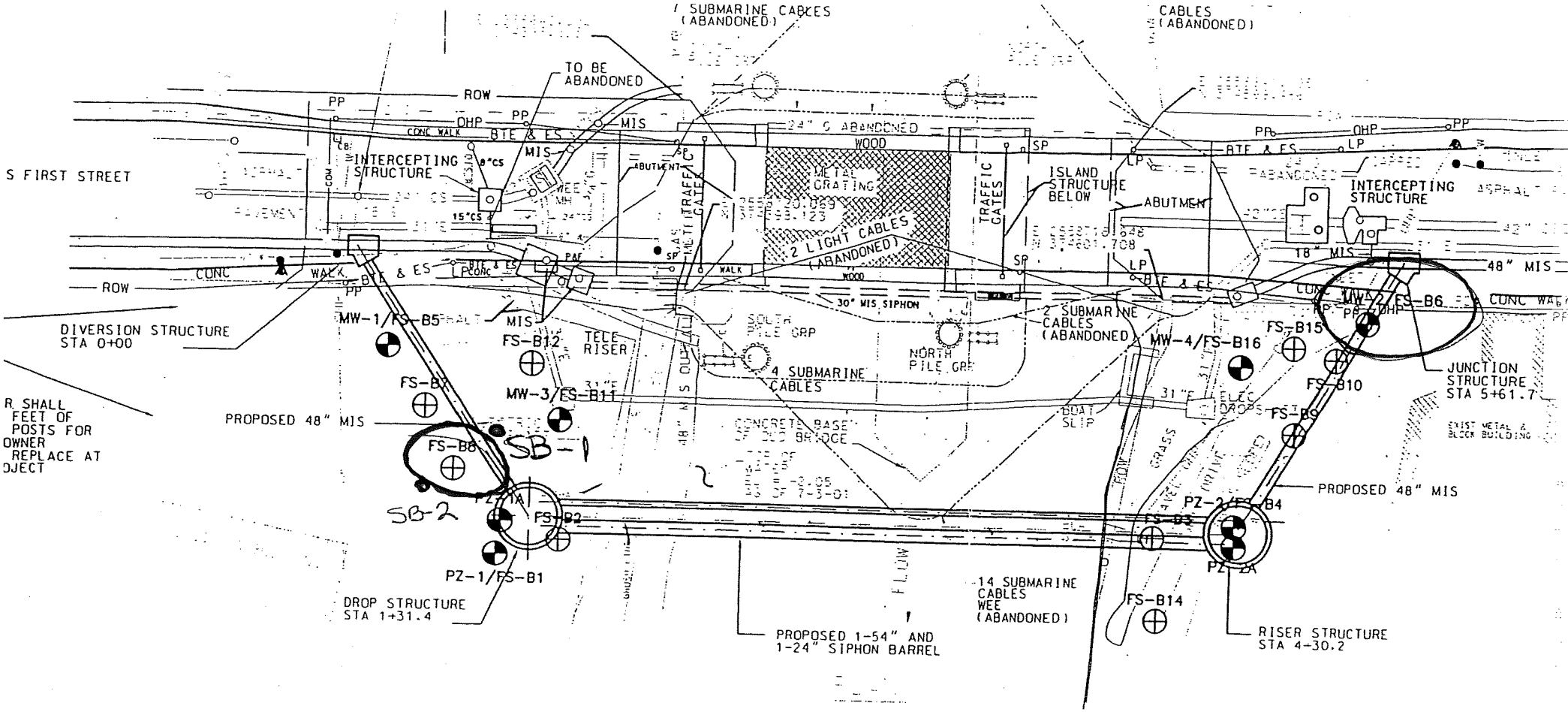
DRAWING NO.
1791-5-B01 (ASIZE)

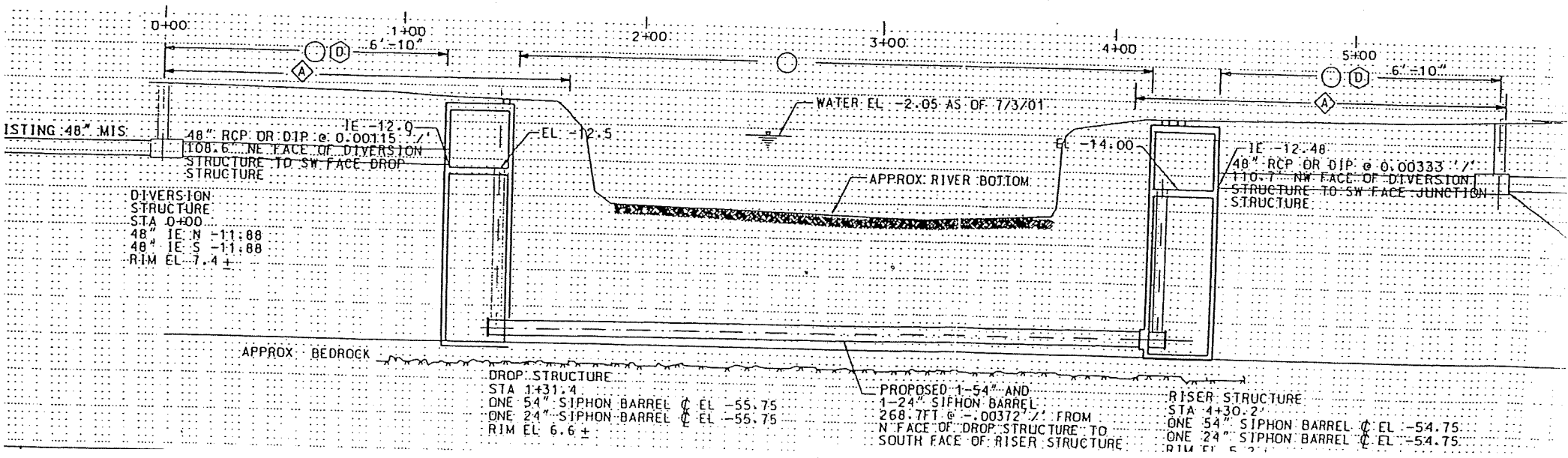
SOURCE NOTES:
THIS DRAWING WAS DEVELOPED FROM DRAWING D-129, PLAT# 4688, PROVIDED BY EDWARD HURLY, CERTIFIED LAND SURVEYOR JUNE 6, 1986 AND DRAWING 8042-4-2.DGN, PROVIDED BY (MMSD) MILWAUKEE METROPOLITAN SEWERAGE DISTRICT, FEBRUARY 28, 2003.
RAILROADS TAKEN FROM A SANBORN MAP DATED 1969.
SOIL BORINGS SB-1 AND SB-2 DEVELOPED FROM NRT (NATURAL RESOURCE TECHNOLOGY) FIELD MEASUREMENTS.
ALL LOCATIONS ARE APPROXIMATE.

N

0 40 80

SCALE IN FEET
(APPROXIMATE)


SUBMARINE CABLES (ABANDONED)
CABLES (ABANDONED)
TO BE ABANDONED
ROW
S FIRST STREET
INTERCEPTING STRUCTURE
ABUTMENT
METAL GRATING
TRAFFIC GATES
ISLAND STRUCTURE BELOW
INTERCEPTING STRUCTURE
2 LIGHT CABLES (ABANDONED)
30" MIS SIPHON
2 SUBMARINE CABLES (ABANDONED)
48" MIS
DIVERSION STRUCTURE STA 0+00
MW-1/FS-B5
FS-B12
TELE RISER
MW-3/FS-B11
4 SUBMARINE CABLES
NORTH PILE GRP
MW-4/FS-B16
FS-B15
FS-B6
JUNCTION STRUCTURE STA 5+61.7
FS-B10
R SHALL FEET OF POSTS FOR OWNER REPLACE AT OJECT
PROPOSED 48" MIS
FS-B8
SB-1
SB-2
PZ-1A
FS-B2
PZ-1/FS-B1
DROP STRUCTURE STA 1+31.4
PROPOSED 1-54" AND 1-24" SIPHON BARREL
14 SUBMARINE CABLES WEE (ABANDONED)
FS-B14
PZ-2/FS-B4
FS-B3
PZ-2A
RISER STRUCTURE STA 4-30.2
BOAT SLIP
EXIST METAL & BLOCK BUILDING


0+00
1+00
2+00
3+00
4+00
5+00
6'-10"
WATER EL -2.05 AS OF 7/3/01
ISTING 48" MIS
IE -12.0
48" RCP OR DIP @ 0.00115 '/'
108.6' NE FACE OF DIVERSION STRUCTURE TO SW FACE DROP STRUCTURE
EL -12.5
EL -14.00
IE -12.48
48" RCP OR DIP @ 0.00333 '/'
110.7' NW FACE OF DIVERSION STRUCTURE TO SW FACE JUNCTION STRUCTURE
APPROX RIVER BOTTOM
DIVERSION STRUCTURE STA 0+00
48" IE N -11.88
48" IE S -11.88
RIM EL 7.4 ±
APPROX BEDROCK
DROP STRUCTURE STA 1+31.4
ONE 54" SIPHON BARREL ℄ EL -55.75
ONE 24" SIPHON BARREL ℄ EL -55.75
RIM EL 6.6 ±
PROPOSED 1-54" AND 1-24" SIPHON BARREL 268.7FT @ -.00372 '/' FROM N FACE OF DROP STRUCTURE TO SOUTH FACE OF RISER STRUCTURE
RISER STRUCTURE STA 4+30.2
ONE 54" SIPHON BARREL ℄ EL -54.75
ONE 24" SIPHON BARREL ℄ EL -54.75

Soil Analytical Results - Arsenic and Lead
2001 South 1st Street, Milwaukee, WI

Sample Location	Sample Date	Sample Depth (feet)	Metals (mg/kg)	
			Arsenic	Lead
Wisconsin NR 720 Generic Residual Contaminant Levels (RCLs)				
Non-Industrial RCLs			0.039	50
Industrial RCLs			**1.6**	**500**
SB1	11/29/06	4--6	**5.6**	9.9
SB1	11/29/06	8--10	**6.0**	9.2
SB1	11/29/06	10--12	<3.1	28
SB2	11/29/06	4--6	**6.3**	34
SB2	11/29/06	8--10	**6.4**	14
SB2	11/29/06	10--12	**4.4**	8.2

O-SAG, CHK-EC

Notes:

1) Detected compounds are shown. Reference laboratory analytical report for full parameter lists.
2) Concentrations that attain or exceed a Non-Industrial RCL are *italicized/underlined*.
3) Concentrations that attain or exceed an Industrial RCL are **bold/underlined.**

mg/kg : Milligrams per kilogram.

M : Laboratory note - Matrix interference.

Table 5-2

Summary of Soil Quality Test Results, First Street Siphon Improvement, Milwaukee, WI

Parameter	FS-B1	FS-B2	FS-B3	FS-B4	FS-B4	FS-B5	FS-B6	FS-B6	FS-B7	Units	Method	Industrial RCL Limit	Acceptance Limit
Date	7/9/02	7/10/02	8/28/01	8/27/01	8/27/01	7/11/02	8/28/01	8/28/01	7/11/02	---	---	---	---
Depth	6-7.5	63.5-65	63.5-65	3.5-5	13.5-15	1-2.5	3.5-5	8.5-10	3.5-5	(feet)	---	---	---
General Parameters													
PID	BK	BK	BK	BK	BK	BK	BK	BK	BK	(inst. units)	---	---	---
Free Liquid	NT	NT	NT	NT	NT	NT	NT	NT	NT	N/A	EPA 9095A	---	0%
Flashpoint	NT	NT	NT	NT	NT	NT	NT	NT	NT	Degrees F	ASTM D92-85	---	> 140
Percent Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	NT	%	ASTM D808	---	< 1.0
Phenol	NT	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 420.2	---	40,000 **
Reactive Cyanide	NT	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg	EPA 7.3.3	---	200
Reactive Sulfide	NT	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 7.3.4	---	200
pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	pH units	EPA 9045B	---	2.0 < pH < 12.5
Specific Gravity	NT	NT	NT	NT	NT	NT	NT	NT	NT	g/ml	ASTM D854-83	---	No Limit
Total Solids	NT	NT	NT	NT	NT	NT	NT	NT	NT	% by Weight	EPA 160.3	---	No Limit
RCRA Metals													
Arsenic	4.61	< 2.29	< 2.99	5.49	< 5.33	< 2.10	18.3	< 2.95	< 2.46	mg/kg D.W.	EPA 6010B	1.6	100 **
Barium	127	< 28.6	< 29.9	44.2	63.2	< 26.3	1,130	< 29.5	< 30.7	mg/kg D.W.	EPA 6010B	---	2,000 **
Cadmium	< 0.680	< 0.571	< 0.598	1.55	< 1.07	< 0.525	603	< 0.589	< 0.615	mg/kg D.W.	EPA 6010B	510	20 **
Chromium	10.9	8.33	9.55	7.64	9.45	6.03	< 0.554	9.72	< 5.63	mg/kg D.W.	EPA 6010B	200*	100 **
TCLP Chromium	NT	NT	NT	NT	NT	NT	NT	NT	NT	mg/l	EPA 6010B	---	5.0
Copper	NT	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 6010B	---	2,000 **
Lead	89.0	4.57	6.36	101	6.66	4.37	33,300	9.22	9.78	mg/kg D.W.	EPA 6010B	500	100 **
TCLP Lead	NT	NT	NT	NT	NT	NT	58.9	NT	NT	mg/l	EPA 7421	---	5.0
Nickel	NT	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 6010B	---	700 **
Selenium	< 3.40	< 2.86	< 2.99	< 3.15	< 5.33	< 2.63	< 2.77	< 2.95	< 3.07	mg/kg D.W.	EPA 6010B	---	20 **
Silver	< 3.40	< 2.86	< 2.99	< 3.15	< 5.33	< 2.63	84.3	< 2.95	< 3.07	mg/kg D.W.	EPA 6010B	---	100 **
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 6010B	---	4,000 **
Mercury	0.212	< 0.0457	0.98	1.44	0.577	< 0.0420	0.181	0.338	0.0659	mg/kg D.W.	EPA 7471A	---	4 **
Diesel Range Organics (DRO)	41.2	< 5.88	< 5.98	20.0	< 10.7	< 5.00	81.1	10.2	7.67	mg/kg D.W.	WDNR DRO	100	---
Gasoline Range Organics (GRO)	< 6.49	< 5.88	< 5.98	< 6.30	< 10.7	< 5.00	< 5.54	< 5.89	< 5.00	mg/kg D.W.	WDNR GRO	100	---
Polynuclear Aromatic Hydrocarbons (PAHs)													
Acenaphthene	701	< 114	< 120	< 126	< 213	< 105	< 111	< 118	906	ug/kg D.W.	EPA 8310	60,000,000***	---
Acenaphthylene	< 272	< 229	< 239	< 252	< 426	< 210	< 222	< 236	< 246	ug/kg D.W.	EPA 8310	360,000***	---
Anthracene	< 136	< 114	< 120	< 126	< 213	< 105	< 111	< 118	143	ug/kg D.W.	EPA 8310	300,000,000***	---
Benz (a) anthracene	1,380	< 57.1	< 59.8	< 63.0	< 107	< 52.5	< 55.4	< 58.9	766	ug/kg D.W.	EPA 8310	3,900***	---
Benzo (a) pyrene	396	< 5.71	24.4	< 6.30	< 10.7	< 5.25	136	< 5.89	275	ug/kg D.W.	EPA 8310	390***	---
Benzo (b) fluoranthene	328	< 57.1	< 59.8	< 63.0	< 107	< 52.8	< 55.4	< 58.9	271	ug/kg D.W.	EPA 8310	3,900***	---
Benzo (ghi) perylene	251	< 114	< 120	< 126	< 213	< 105	124	< 118	174	ug/kg D.W.	EPA 8310	39,000***	---
Benzo (k) fluoranthene	145	< 114	< 120	< 126	< 213	< 105	< 111	< 118	< 173	ug/kg D.W.	EPA 8310	39,000***	---
Chrysene	339	< 114	< 120	< 126	< 213	< 105	159	< 118	265	ug/kg D.W.	EPA 8310	390,000***	---
Dibenz (a,h) anthracene	293	< 5.71	< 5.98	24.0	< 10.7	< 5.25	36.2	< 5.89	161	ug/kg D.W.	EPA 8310	390***	---
Fluoranthene	932	< 114	< 120	< 126	< 213	< 105	< 111	< 118	782	ug/kg D.W.	EPA 8310	40,000,000***	---
Fluorene	< 136	< 114	< 120	< 126	< 213	< 105	< 111	< 118	125	ug/kg D.W.	EPA 8310	40,000,000***	---
Indeno (1,2,3-cd) pyrene	202	< 57.1	< 59.8	< 63.0	< 107	< 52.5	< 55.4	< 58.9	133	ug/kg D.W.	EPA 8310	3,900***	---
1-Methylnaphthalene	231	< 114	< 120	< 126	< 213	< 105	< 111	< 118	446	ug/kg D.W.	EPA 8310	70,000,000***	---
2-Methylnaphthalene	440	< 114	< 120	< 126	< 213	< 105	< 111	< 118	363	ug/kg D.W.	EPA 8310	40,000,000***	---
Naphthalene	< 136	< 114	< 120	< 126	< 213	< 105	< 111	< 118	< 123	ug/kg D.W.	EPA 8310	110,000***	---

KSA K. SINGH & ASSOCIATES, INC.
Engineers, Scientists and Environmental Management Consultants

Table 5-2
Summary of Soil Quality Test Results, First Street Siphon Improvement, Milwaukee, WI (Continued)

Parameter	FS-B1	FS-B2	FS-B3	FS-B4	FS-B4	FS-B5	FS-B6	FS-B6	FS-B7	Units	Method	RCL Limit	Acceptance Limit
Date	37446	37447	37131	37130	37130	37448	37131	37131	37448	---	---	---	---
Depth	6-7.5	63.5-65	63.5-65	3.5-5	13.5-15	1-2.5	3.5-5	8.5-10	3.5-5	(feet)	---	---	---
Phenanthrene	404	< 114	< 120	282	< 213	< 105	< 111	< 118	507	ug/kg D.W.	EPA 8310	390,000***	---
Pyrene	684	< 114	< 120	< 126	< 213	< 105	126	< 118	510	ug/kg D.W.	EPA 8310	30,000,000***	---
Polychlorinated Biphenyls (PCBs)													
PCB-1016	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8082	---	50,000
PCB-1221	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8082	---	50,000
PCB-1232	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8082	---	50,000
PCB-1242	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8082	---	50,000
PCB-1248	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8082	---	50,000
PCB-1254	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8082	---	50,000
PCB-1260	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8082	---	50,000
Pesticides													
Aldrin	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
alpha-BHC	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
beta-BHC	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
delta-BHC	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
gamma-BHC (Lindane)	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
4,4'-DDD	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
4,4'-DDE	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
4,4'-DDT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
Dieldrin	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
Endosulfan I	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
Endosulfan II	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
Endosulfan sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
Endrin	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
Endrin Aldehyde	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
Heptachlor	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
Heptachlor epoxide	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
2,4-D	NT	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8151	---	---
2,4,5-TP (Silvex)	NT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8151	---	---
Semivolatile Organic Compounds (SVOCs)													
o-Cresol	NT	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	4,000 **
m,p-Cresols	NT	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	4,000 **
1,4-Dichlorobenzene	NT	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	150 **
2,4-Dinitrotoluene	NT	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	2.6 **
Hexachlorobenzene	NT	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	2.6 **
Hexachlorobutadiene	NT	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	10 **
Hexachloroethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	60 **
Nitrobenzene	NT	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	40 **
Pentachlorophenol	NT	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	2,000 **
Pyridine	NT	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	100 **
2,4,5-Trichlorophenol	NT	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	8,000 **
2,4,6-Trichlorophenol	NT	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	40 **
Volatile Organic Compounds (VOCs)													
Benzene	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	5.5	10,000 **
Bromobenzene	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---

Table 5-2

Summary of Soil Quality Test Results, First Street Siphon Improvement, Milwaukee, WI (Continued)

Parameter	FS-B1	FS-B2	FS-B3	FS-B4	FS-B4	FS-B5	FS-B6	FS-B6	FS-B7	Units	Method	RCL Limit	Acceptance Limit
Date	7/9/02	7/10/02	8/28/01	8/27/01	8/27/01	7/11/02	8/28/01	8/28/01	7/11/02	---	---	---	---
Depth	6-7.5	63.5-65	63.5-65	3.5-5	13.5-15	1-2.5	3.5-5	8.5-10	3.5-5	(feet)	---	---	---
Bromochloromethane	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
Bromodichloromethane	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
n-Butylbenzene	NT	NT	< 25.0	46.2	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
sec-Butylbenzene	NT	NT	< 25.0	88.5	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
tert-Butylbenzene	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
Carbon tetrachloride	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	10,000 **
Chlorobenzene	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	2,000,000 **
Chloroethane	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
Chloroform	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	120,000 **
Chloromethane	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
2-Chlorotoluene	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
4-Chlorotoluene	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
Dibromochloromethane	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
1,2-Dibromo-3-chloropropane	NT	NT	< 25.0	30.8	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
1,2-Dibromoethane	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
1,2-Dichlorobenzene	NT	NT	< 25.0	47.6	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
1,3-Dichlorobenzene	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
1,4-Dichlorobenzene	NT	NT	< 25.0	36.6	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
Dichlorodifluoromethane	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
1,1-Dichloroethane	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
1,2-Dichloroethane	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	4.9	10,000 **
1,1-Dichloroethene	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
cis-1,2-Dichloroethene	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
trans-1,2-Dichloroethene	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
1,1-Dichlororethylene	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	14,000 **
1,2-Dichloropropane	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
1,3-Dichloropropane	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
2,2-Dichloropropane	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
Di-isopropyl ether	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
Ethylbenzene	< 25.0	< 25.0	< 25.0	36.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	2,900	---
Hexachlorobutadiene	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
Isopropylbenzene	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
p-Isopropyltoluene	NT	NT	< 25.0	69.6	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
Methylene chloride	NT	NT	< 100	< 100	< 100	NT	< 100	< 100	NT	ug/kg D.W.	EPA 8260B	---	---
Methyl ethyl ketone	NT	NT	NR	NR	NR	NT	NR	NR	NT	ug/kg D.W.	EPA 8260B	---	4,000,000 **
Methyl-tert-butyl-ether	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
Naphthalene	NT	NT	< 25.0	304	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
n-Propylbenzene	NT	NT	< 25.0	31.6	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
1,1,2,2-Tetrachloroethane	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
Tetrachloroethene	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	14,000 **
Toluene	< 25.0	< 25.0	< 25.0	32.5	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	1,500	---
1,2,3-Trichlorobenzene	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
1,2,4-Trichlorobenzene	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
1,1,1-Trichloroethane	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
1,1,2-Trichloroethane	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---

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Table 5-2

Summary of Soil Quality Test Results, First Street Siphon Improvement, Milwaukee, WI (Continued)

Parameter	FS-B1	FS-B2	FS-B3	FS-B4	FS-B4	FS-B5	FS-B6	FS-B6	FS-B7	Units	Method	RCL Limit	Acceptance Limit
Date	7/9/02	7/10/02	8/28/01	8/27/01	8/27/01	7/11/02	8/28/01	8/28/01	7/11/02	---	---	---	---
Depth	6-7.5	63.5-65	63.5-65	3.5-5	13.5-15	1-2.5	3.5-5	8.5-10	3.5-5	(feet)	---	---	---
Trichloroethene	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
Trichloroethylene	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	---
Trichlorofluoromethane	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	10,000 **
1,2,4-Trimethylbenzene	< 25.0	< 25.0	< 25.0	87.5	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
1,3,5-Trimethylbenzene	< 25.0	< 25.0	< 25.0	75.6	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
Vinyl chloride	NT	NT	< 25.0	< 25.0	< 25.0	NT	< 25.0	< 25.0	NT	ug/kg D.W.	EPA 8260B	---	4,000 **
Total Xylenes	< 25.0	< 25.0	< 25.0	100	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	4,100	---

Notes:

ND = No Detect

NT = Not Tested

N/A = Not Applicable

NR = Not Reported

* = Hexavalent Chromium Standard. Trivalent Chromium Standard is 16,000 mg/kg.

** = Acceptance limit based on totals analysis less than 20 times TCLP limit.

*** = Suggested RCLs for Direct Contact Pathway at Industrial Sites.

Table 5-2

Summary of Soil Quality Test Results, First Street Siphon Improvement, Milwaukee, WI (Continued)

Parameter	FS-B8	FS-B9	FS-B10	FS-B10	FS-B11	FS-B12	FS-B14	FS-B15	Units	Method	RCL Limit	Acceptance Limit
Date	7/11/02	8/29/01	8/29/01	8/29/01	7/11/02	7/11/02	8/29/01	8/29/01	---	---	---	---
Depth	6-7.5	3.5-5	1-2.5	16-17.5	8.5-10	1-2.5	3.5-5	3.5-5	(feet)	---	---	---
General Parameters												
PID	BK	BK	BK	BK	BK	BK	BK	BK	(Inst. units)	---	---	---
Free Liquid	NT	NT	NT	NT	NT	NT	NT	NT	N/A	EPA 9095A	---	0%
Flashpoint	NT	NT	NT	NT	NT	NT	NT	NT	Degrees F	ASTM D92-85	---	> 140
Percent Chlorine	NT	NT	NT	NT	NT	NT	NT	NT	%	ASTM D808	---	< 1.0
Phenol	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 420.2	---	40,000 **
Reactive Cyanide	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg	EPA 7.3.3	---	200
Reactive Sulfide	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 7.3.4	---	200
pH	NT	NT	NT	NT	NT	NT	NT	NT	pH units	EPA 9045B	---	2.0 < pH < 12.5
Specific Gravity	NT	NT	NT	NT	NT	NT	NT	NT	g/ml	ASTM D854-83	---	No Limit
Total Solids	NT	NT	NT	NT	NT	NT	NT	NT	% by Weight	EPA 160.3	---	No Limit
RCRA Metals												
Arsenic	**27.8**	< 2.83	< 2.85	< 2.98	< 2.88	< 2.88	< 2.92	< 2.86	mg/kg D.W.	EPA 6010B	1.6	100 **
Barium	358	< 28.3	< 28.5	< 29.8	51.8	76.1	31.0	53.6	mg/kg D.W.	EPA 6010B	---	2,000 **
Cadmium	< 0.664	< 0.566	< 0.571	< 0.596	< 0.720	< 0.721	< 0.583	< 0.573	mg/kg D.W.	EPA 6010B	510	20 **
Chromium	309	6.00	9.16	8.04	12.0	13.3	11.5	11.4	mg/kg D.W.	EPA 6010B	200*	100 **
TCLP Chromium	< 0.0100	NT	NT	NT	NT	NT	NT	NT	mg/l	EPA 6010B	---	5.0
Copper	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 6010B	---	2,000 **
Lead	**25,500**	79.6	12.3	5.4	16.1	30.6	3.95	74.5	mg/kg D.W.	EPA 6010B	500	100 **
TCLP Lead	0.27	NT	NT	NT	NT	NT	NT	NT	mg/l	EPA 7421	---	5.0
Nickel	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 6010B	---	700 **
Selenium	< 3.32	< 2.83	< 2.85	< 2.98	< 3.60	< 3.60	< 2.92	< 2.86	mg/kg D.W.	EPA 6010B	---	20 **
Silver	< 3.32	< 2.83	< 2.85	< 2.98	< 3.60	< 3.60	< 2.92	< 2.86	mg/kg D.W.	EPA 6010B	---	100 **
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 6010B	---	4,000 **
Mercury	< 0.0531	**0.132**	**0.100**	**0.0965**	< 0.0576	**0.0759**	**0.115**	**0.188**	mg/kg D.W.	EPA 7471A	---	4 **
Diesel Range Organics (DRO)	7.21	34.2	9.18	16.0	5.7	7.30	16.2	21.0	mg/kg D.W.	WDNR DRO	100	---
Gasoline Range Organics (GRO)	< 5.00	< 5.66	20.2	< 5.96	< 5.00	12.6	< 5.83	< 5.73	mg/kg D.W.	WDNR GRO	100	---
Polynuclear Aromatic Hydrocarbons (PAHs)												
Acenaphthene	< 133	< 113	< 114	383	< 144	< 144	< 117	< 1150	ug/kg D.W.	EPA 8310	60,000,000***	---
Acenaphthylene	< 266	< 226	< 228	< 238	< 288	< 288	< 233	< 2,290	ug/kg D.W.	EPA 8310	360,000***	---
Anthracene	< 133	< 113	< 114	< 119	< 144	< 144	< 117	< 1150	ug/kg D.W.	EPA 8310	300,000,000***	---
Benz (a) anthracene	128	< 56.6	< 57.1	300	< 72.0	< 72.1	< 58.3	< 573	ug/kg D.W.	EPA 8310	3,900***	---
Benzo (a) pyrene	31.1	< 5.66	< 5.71	700	< 7.20	11.4	< 5.83	< 57.3	ug/kg D.W.	EPA 8310	390***	---
Benzo (b) fluoranthene	< 66.4	< 56.6	< 57.1	< 59.6	< 72.0	< 72.1	< 58.3	< 573	ug/kg D.W.	EPA 8310	3,900***	---
Benzo (ghi) perylene	< 133	< 113	< 114	225	< 144	< 144	< 117	< 1,150	ug/kg D.W.	EPA 8310	39,000***	---
Benzo (k) fluoranthene	< 133	< 113	< 114	< 119	< 144	< 144	< 117	< 1,150	ug/kg D.W.	EPA 8310	39,000***	---
Chrysene	< 133	< 113	< 114	260	< 144	< 144	< 117	< 1,150	ug/kg D.W.	EPA 8310	390,000***	---
Dibenz (a,h) anthracene	18.0	< 5.66	< 5.71	< 5.96	< 7.20	< 7.21	< 5.83	< 57.3	ug/kg D.W.	EPA 8310	390***	---
Fluoranthene	< 133	< 113	< 114	< 119	< 144	< 144	< 117	< 1,150	ug/kg D.W.	EPA 8310	40,000,000***	---
Fluorene	< 133	< 113	< 114	152	< 144	< 144	< 117	< 1,150	ug/kg D.W.	EPA 8310	40,000,000***	---
Indeno (1,2,3-cd) pyrene	< 66.4	< 56.6	< 57.1	< 59.6	< 72.0	< 72.1	< 58.3	< 573	ug/kg D.W.	EPA 8310	3,900***	---
1-Methylnaphthalene	< 133	< 113	< 114	< 119	< 144	< 144	< 117	< 1,150	ug/kg D.W.	EPA 8310	70,000,000***	---
2-Methylnaphthalene	< 133	< 113	< 114	123	< 144	< 144	< 117	< 1,150	ug/kg D.W.	EPA 8310	40,000,000***	---
Naphthalene	< 133	< 113	< 114	< 119	< 144	< 144	< 117	< 1,150	ug/kg D.W.	EPA 8310	110,000***	---

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Table 5-2

Summary of Soil Quality Test Results, First Street Siphon Improvement, Milwaukee, WI (Continued)

Parameter	FS-B8	FS-B9	FS-B10	FS-B10	FS-B11	FS-B12	FS-B14	FS-B15	Units	Method	RCL Limit	Acceptance Limit
Date	37448	37132	37132	37132	37448	37448	37132	37132	---	---	---	---
Depth	6-7.5	3.5-5	1-2.5	16-17.5	8.5-10	1-2.5	3.5-5	3.5-5	(feet)	---	---	---
Phenanthrene	< 133	< 113	< 114	1,340	< 144	< 144	< 117	< 1,150	ug/kg D.W.	EPA 8310	390,000***	---
Pyrene	< 133	< 113	< 114	1,850	< 144	< 144	130	< 1,150	ug/kg D.W.	EPA 8310	30,000,000***	---
Polychlorinated Biphenyls (PCBs)												
PCB-1016	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8082	---	50,000
PCB-1221	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8082	---	50,000
PCB-1232	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8082	---	50,000
PCB-1242	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8082	---	50,000
PCB-1248	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8082	---	50,000
PCB-1254	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8082	---	50,000
PCB-1260	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8082	---	50,000
Pesticides												
Aldrin	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
alpha-BHC	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
beta-BHC	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
delta-BHC	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
gamma-BHC (Lindane)	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
4,4'-DDD	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
4,4'-DDE	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
4,4'-DDT	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
Dieldrin	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
Endosulfan I	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
Endosulfan II	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
Endosulfan sulfate	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
Endrin	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
Endrin Aldehyde	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
Heptachlor	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
Heptachlor epoxide	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8081A	---	---
2,4-D	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8151	---	---
2,4,5-TP (Silvex)	NT	NT	NT	NT	NT	NT	NT	NT	ug/kg D.W.	EPA 8151	---	---
Semivolatile Organic Compounds (SVOCs)												
o-Cresol	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	4,000 **
m,p-Cresols	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	4,000 **
1,4-Dichlorobenzene	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	150 **
2,4-Dinitrotoluene	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	2.6 **
Hexachlorobenzene	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	2.6 **
Hexachlorobutadiene	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	10 **
Hexachloroethane	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	60 **
Nitrobenzene	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	40 **
Pentachlorophenol	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	2,000 **
Pyridine	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	100 **
2,4,5-Trichlorophenol	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	8,000 **
2,4,6-Trichlorophenol	NT	NT	NT	NT	NT	NT	NT	NT	mg/kg D.W.	EPA 8270C	---	40 **
Volatile Organic Compounds (VOCs)												
Benzene	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	135	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	5.5	10,000 **
Bromobenzene	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---

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Table 5-2
Summary of Soil Quality Test Results, First Street Siphon Improvement, Milwaukee, WI (Continued)

Parameter	FS-B8	FS-B9	FS-B10	FS-B10	FS-B11	FS-B12	FS-B14	FS-B15	Units	Method	RCL Limit	Acceptance Limit
Date	7/11/02	8/29/01	8/29/01	8/29/01	7/11/02	7/11/02	8/29/01	8/29/01	---	---	---	---
Depth	6-7.5	3.5-5	1-2.5	16-17.5	8.5-10	1-2.5	3.5-5	3.5-5	(feet)	---	---	---
Bromochloromethane	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
Bromodichloromethane	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
n-Butylbenzene	NT	< 25.0	37.5	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
sec-Butylbenzene	NT	30.7	292	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
tert-Butylbenzene	NT	< 25.0	85.2	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
Carbon tetrachloride	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
Chlorobenzene	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	10,000 **
Chloroethane	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	2,000,000 **
Chloroform	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
Chloromethane	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	120,000 **
2-Chlorotoluene	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
4-Chlorotoluene	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
Dibromochloromethane	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
1,2-Dibromo-3-chloropropane	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
1,2-Dibromoethane	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
1,2-Dichlorobenzene	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
1,3-Dichlorobenzene	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
1,4-Dichlorobenzene	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
Dichlorodifluoromethane	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
1,1-Dichloroethane	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
1,2-Dichloroethane	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
1,1-Dichloroethene	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	4.9	10,000 **
cis-1,2-Dichloroethene	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
trans-1,2-Dichloroethene	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
1,1-Dichlororethylene	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
1,2-Dichloropropane	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	14,000 **
1,3-Dichloropropane	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
2,2-Dichloropropane	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
Di-isopropyl ether	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
Ethylbenzene	< 25.0	< 25.0	31.3	< 25.0	< 25.0	169	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
Hexachlorobutadiene	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	2,900	---
Isopropylbenzene	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
p-Isopropyltoluene	NT	38.4	203	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
Methylene chloride	NT	< 100	< 100	< 100	NT	NT	< 100	< 100	ug/kg D.W.	EPA 8260B	---	---
Methyl ethyl ketone	NT	NR	NR	NR	NT	NT	NR	NR	ug/kg D.W.	EPA 8260B	---	---
Methyl-tert-butyl-ether	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	4,000,000 **
Naphthalene	NT	131	148	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
n-Propylbenzene	NT	< 25.0	34.4	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
1,1,2,2-Tetrachloroethane	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
Tetrachloroethene	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
Toluene	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	827	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	14,000 **
1,2,3-Trichlorobenzene	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	1,500	---
1,2,4-Trichlorobenzene	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
1,1,1-Trichloroethane	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
1,1,2-Trichloroethane	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---

Table 5-2

Summary of Soil Quality Test Results, First Street Siphon Improvement, Milwaukee, WI (Continued)

Parameter	FS-B8	FS-B9	FS-B10	FS-B10	FS-B11	FS-B12	FS-B14	FS-B15	Units	Method	RCL Limit	Acceptance Limit
Date	7/11/02	8/29/01	8/29/01	8/29/01	7/11/02	7/11/02	8/29/01	8/29/01	---	---	---	---
Depth	6-7.5	3.5-5	1-2.5	16-17.5	8.5-10	1-2.5	3.5-5	3.5-5	(feet)	---	---	---
Trichloroethene	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
Trichloroethylene	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	10,000 **
Trichlorofluoromethane	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
1,2,4-Trimethylbenzene	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	357	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
1,3,5-Trimethylbenzene	< 25.0	< 25.0	177	< 25.0	< 25.0	107	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	---
Vinyl chloride	NT	< 25.0	< 25.0	< 25.0	NT	NT	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	---	4,000 **
Total Xylenes	< 25.0	29.5	61.3	< 25.0	< 25.0	1,420	< 25.0	< 25.0	ug/kg D.W.	EPA 8260B	4,100	---

KSA K. SINGH & ASSOCIATES, INC.

Table 5-2

Summary of Soil Quality Test Results, First Street Siphon Improvement, Milwaukee, WI (Continued)

Parameter	FS-B16	Special Waste Comp.	Soil Cuttings	Units	Method	RCL Limit	Acceptance Limit
Date	8/28/01	8/28/01	7/12/02	---	---	---	---
Depth	6-7.5	---	---	(feet)	---	---	---
General Parameters							
PID	BK	BK	NT	(Inst. units)	---	---	---
Free Liquid	NT	ND	NT	N/A	EPA 9095A	---	0%
Flashpoint	NT	> 220	NT	Degrees F	ASTM D92-85	---	> 140
Percent Chlorine	NT	0.125	NT	%	ASTM D808	---	< 1.0
Phenol	NT	2.430	NT	mg/kg D.W.	EPA 420.2	---	40,000 **
Reactive Cyanide	NT	< 0.154	NT	mg/kg	EPA 7.3.3	---	200
Reactive Sulfide	NT	< 7.70	NT	mg/kg D.W.	EPA 7.3.4	---	200
pH	NT	7.40	NT	pH units	EPA 9045B	---	2.0 < pH < 12.5
Specific Gravity	NT	NT	NT	g/ml	ASTM D854-83	---	No Limit
Total Solids	NT	55.9	NT	% by Weight	EPA 160.3	---	No Limit
RCRA Metals							
Arsenic	< 3.19	< 2.96	NT	mg/kg D.W.	EPA 6010B	1.6	100 **
Barium	113	65.4	NT	mg/kg D.W.	EPA 6010B	---	2,000 **
Cadmium	< 0.638	< 0.592	NT	mg/kg D.W.	EPA 6010B	510	20 **
Chromium	**102**	8.61	NT	mg/kg D.W.	EPA 6010B	200*	100 **
TCLP Chromium	NT	NT	NT	mg/l	EPA 6010B	---	5.0
Copper	NT	23.5	NT	mg/kg D.W.	EPA 6010B	---	2,000 **
Lead	**182**	30.6	**116**	mg/kg D.W.	EPA 6010B	500	100 **
TCLP Lead	NT	NT	0.0194	mg/l	EPA 7421	---	5.0
Nickel	NT	11.2	NT	mg/kg D.W.	EPA 6010B	---	700 **
Selenium	< 3.19	< 2.96	NT	mg/kg D.W.	EPA 6010B	---	20 **
Silver	< 3.19	< 2.96	NT	mg/kg D.W.	EPA 6010B	---	100 **
Zinc	NT	60.1	NT	mg/kg D.W.	EPA 6010B	---	4,000 **
Mercury	**1.24**	**0.224**	NT	mg/kg D.W.	EPA 7471A	---	4 **
Diesel Range Organics (DRO)	7.32	NT	NT	mg/kg D.W.	WDNR DRO	100	---
Gasoline Range Organics (GRO)	< 6.38	NT	NT	mg/kg D.W.	WDNR GRO	100	---
Polynuclear Aromatic Hydrocarbons (PAHs)							
Acenaphthene	< 128	NT	NT	ug/kg D.W.	EPA 8310	60,000,000***	---
Acenaphthylene	< 255	NT	NT	ug/kg D.W.	EPA 8310	360,000***	---
Anthracene	< 128	NT	NT	ug/kg D.W.	EPA 8310	300,000,000***	---
Benz (a) anthracene	< 63.8	NT	NT	ug/kg D.W.	EPA 8310	3,900***	---
Benzo (a) pyrene	< 6.38	NT	NT	ug/kg D.W.	EPA 8310	390***	---
Benzo (b) fluoranthene	< 63.8	NT	NT	ug/kg D.W.	EPA 8310	3,900***	---
Benzo (ghi) perylene	< 128	NT	NT	ug/kg D.W.	EPA 8310	39,000***	---
Benzo (k) fluoranthene	< 128	NT	NT	ug/kg D.W.	EPA 8310	39,000***	---
Chrysene	< 128	NT	NT	ug/kg D.W.	EPA 8310	390,000***	---
Dibenz (a,h) anthracene	< 6.38	NT	NT	ug/kg D.W.	EPA 8310	390***	---
Fluoranthene	< 128	NT	NT	ug/kg D.W.	EPA 8310	40,000,000***	---
Fluorene	< 128	NT	NT	ug/kg D.W.	EPA 8310	40,000,000***	---
Indeno (1,2,3-cd) pyrene	< 63.8	NT	NT	ug/kg D.W.	EPA 8310	3,900***	---
1-Methylnaphthalene	< 128	NT	NT	ug/kg D.W.	EPA 8310	70,000,000***	---
2-Methylnaphthalene	< 128	NT	NT	ug/kg D.W.	EPA 8310	40,000,000***	---
Naphthalene	< 128	NT	NT	ug/kg D.W.	EPA 8310	110,000***	---

KSA K. SINGH & ASSOCIATES, INC.

Table 5-2
Summary of Soil Quality Test Results, First Street Siphon Improvement, Milwaukee, WI (Continued)

Parameter	FS-B16	Waste Comp.	Soil Cuttings	Units	Method	RCL Limit	Acceptance Limit
Date	8/28/01	8/28/01	7/12/02	---	---	---	---
Depth	6-7.5	---	---	(feet)	---	---	---
Phenanthrene	< 128	NT	NT	ug/kg D.W.	EPA 8310	390,000***	---
Pyrene	< 128	NT	NT	ug/kg D.W.	EPA 8310	30,000,000***	---
Polychlorinated Biphenyls (PCBs)							
PCB-1016	NT	< 25.0	NT	ug/kg D.W.	EPA 8082	---	50,000
PCB-1221	NT	< 25.0	NT	ug/kg D.W.	EPA 8082	---	50,000
PCB-1232	NT	< 25.0	NT	ug/kg D.W.	EPA 8082	---	50,000
PCB-1242	NT	< 25.0	NT	ug/kg D.W.	EPA 8082	---	50,000
PCB-1248	NT	< 25.0	NT	ug/kg D.W.	EPA 8082	---	50,000
PCB-1254	NT	< 25.0	NT	ug/kg D.W.	EPA 8082	---	50,000
PCB-1260	NT	< 25.0	NT	ug/kg D.W.	EPA 8082	---	50,000
Pesticides							
Aldrin	NT	< 6.20	NT	ug/kg D.W.	EPA 8081A	---	---
alpha-BHC	NT	< 5.13	NT	ug/kg D.W.	EPA 8081A	---	---
beta-BHC	NT	< 7.48	NT	ug/kg D.W.	EPA 8081A	---	---
delta-BHC	NT	< 7.89	NT	ug/kg D.W.	EPA 8081A	---	---
gamma-BHC (Lindane)	NT	< 5.82	NT	ug/kg D.W.	EPA 8081A	---	---
4,4'-DDD	NT	< 11.0	NT	ug/kg D.W.	EPA 8081A	---	---
4,4'-DDE	NT	< 8.17	NT	ug/kg D.W.	EPA 8081A	---	---
4,4'-DDT	NT	< 3.56	NT	ug/kg D.W.	EPA 8081A	---	---
Dieldrin	NT	< 8.42	NT	ug/kg D.W.	EPA 8081A	---	---
Endosulfan I	NT	< 7.94	NT	ug/kg D.W.	EPA 8081A	---	---
Endosulfan II	NT	< 9.14	NT	ug/kg D.W.	EPA 8081A	---	---
Endosulfan sulfate	NT	< 8.96	NT	ug/kg D.W.	EPA 8081A	---	---
Endrin	NT	< 9.34	NT	ug/kg D.W.	EPA 8081A	---	---
Endrin Aldehyde	NT	< 6.77	NT	ug/kg D.W.	EPA 8081A	---	---
Heptachlor	NT	< 4.97	NT	ug/kg D.W.	EPA 8081A	---	---
Heptachlor epoxide	NT	< 7.42	NT	ug/kg D.W.	EPA 8081A	---	---
2,4-D	NT	< 2.55	NT	mg/kg D.W.	EPA 8151	---	---
2,4,5-TP (Silvex)	NT	< 0.283	NT	ug/kg D.W.	EPA 8151	---	---
Semivolatile Organic Compounds (SVOCs)							
o-Cresol	NT	< 200	NT	mg/kg D.W.	EPA 8270C	---	4,000 **
m,p-Cresols	NT	< 200	NT	mg/kg D.W.	EPA 8270C	---	4,000 **
1,4-Dichlorobenzene	NT	< 7.50	NT	mg/kg D.W.	EPA 8270C	---	150 **
2,4-Dinitrotoluene	NT	< 0.130	NT	mg/kg D.W.	EPA 8270C	---	2.6 **
Hexachlorobenzene	NT	< 0.130	NT	mg/kg D.W.	EPA 8270C	---	2.6 **
Hexachlorobutadiene	NT	< 0.500	NT	mg/kg D.W.	EPA 8270C	---	10 **
Hexachloroethane	NT	< 3.00	NT	mg/kg D.W.	EPA 8270C	---	60 **
Nitrobenzene	NT	< 2.00	NT	mg/kg D.W.	EPA 8270C	---	40 **
Pentachlorophenol	NT	< 100	NT	mg/kg D.W.	EPA 8270C	---	2,000 **
Pyridine	NT	< 5.00	NT	mg/kg D.W.	EPA 8270C	---	100 **
2,4,5-Trichlorophenol	NT	< 400	NT	mg/kg D.W.	EPA 8270C	---	8,000 **
2,4,6-Trichlorophenol	NT	< 2.00	NT	mg/kg D.W.	EPA 8270C	---	40 **
Volatile Organic Compounds (VOCs)							
Benzene	< 25.0	< 250	NT	ug/kg D.W.	EPA 8260B	5.5	10,000 **
Bromobenzene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---

KSA K. SINGH & ASSOCIATES, INC.

Table 5-2

Summary of Soil Quality Test Results, First Street Siphon Improvement, Milwaukee, WI (Continued)

Parameter	FS-B16	Waste Comp.	Soil Cuttings	Units	Method	RCL Limit	Acceptance Limit
Date	8/28/01	8/28/01	7/12/02	---	---	---	---
Depth	6-7.5	---	---	(feet)	---	---	---
Bromochloromethane	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
Bromodichloromethane	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
n-Butylbenzene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
sec-Butylbenzene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
tert-Butylbenzene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
Carbon tetrachloride	< 25.0	< 250	NT	ug/kg D.W.	EPA 8260B	---	10,000 **
Chlorobenzene	< 25.0	< 50,000	NT	ug/kg D.W.	EPA 8260B	---	2,000,000 **
Chloroethane	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
Chloroform	< 25.0	< 3,000	NT	ug/kg D.W.	EPA 8260B	---	120,000 **
Chloromethane	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
2-Chlorotoluene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
4-Chlorotoluene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
Dibromochloromethane	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
1,2-Dibromo-3-chloropropane	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
1,2-Dibromoethane	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
1,2-Dichlorobenzene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
1,3-Dichlorobenzene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
1,4-Dichlorobenzene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
Dichlorodifluoromethane	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
1,1-Dichloroethane	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
1,2-Dichloroethane	< 25.0	< 250	NT	ug/kg D.W.	EPA 8260B	4.9	10,000 **
1,1-Dichloroethene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
cis-1,2-Dichloroethene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
trans-1,2-Dichloroethene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
1,1-Dichlororethylene	< 25.0	< 350	NT	ug/kg D.W.	EPA 8260B	---	14,000 **
1,2-Dichloropropane	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
1,3-Dichloropropane	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
2,2-Dichloropropane	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
Di-isopropyl ether	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
Ethylbenzene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	2,900	---
Hexachlorobutadiene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
Isopropylbenzene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
p-Isopropyltoluene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
Methylene chloride	< 100	NR	NT	ug/kg D.W.	EPA 8260B	---	---
Methyl ethyl ketone	NR	< 100,000	NT	ug/kg D.W.	EPA 8260B	---	4,000,000 **
Methyl-tert-butyl-ether	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
Naphthalene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
n-Propylbenzene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
1,1,2,2-Tetrachloroethane	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
Tetrachloroethene	< 25.0	< 350	NT	ug/kg D.W.	EPA 8260B	---	14,000 **
Toluene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	1,500	---
1,2,3-Trichlorobenzene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
1,2,4-Trichlorobenzene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
1,1,1-Trichloroethane	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
1,1,2-Trichloroethane	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---

KSA K. SINGH & ASSOCIATES, INC.

Table 5-2

Summary of Soil Quality Test Results, First Street Siphon Improvement, Milwaukee, WI (Continued)

Parameter	FS-B16	Waste Comp.	Soil Cuttings	Units	Method	RCL Limit	Acceptance Limit
Date	8/28/01	8/28/01	7/12/02	---	---	---	---
Depth	6-7.5	---	---	(feet)	---	---	---
Trichloroethene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
Trichloroethylene	< 25.0	< 250	NT	ug/kg D.W.	EPA 8260B	---	10,000 **
Trichlorofluoromethane	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
1,2,4-Trimethylbenzene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
1,3,5-Trimethylbenzene	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	---	---
Vinyl chloride	< 25.0	< 100	NT	ug/kg D.W.	EPA 8260B	---	4,000 **
Total Xylenes	< 25.0	NR	NT	ug/kg D.W.	EPA 8260B	4,100	---

KSA K. SINGH & ASSOCIATES, INC.

Legal Description Certification
Lincoln Warehouse, LLC. – Milwaukee, Wisconsin

Mr. Richard Gold
Lincoln Warehouse, LLC

"I certify that the attached legal description for the Lincoln Warehouse Site is, to the best of my knowledge, complete and accurate."