GIS REGISTRY INFORMATION

SITE NAME:	4th District Police Station		
BRRTS #:	03-41-174162	**FID #** (if appropriate):	
COMMERCE # (if appropriate):	53218-2925-29		
CLOSURE DATE:	June 24, 2003		
STREET ADDRESS:	6929 W. Silver Spring Dr.		
CITY:	Milwaukee		

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	**X =**	682846		**Y =**	295949	
CONTAMINATED MEDIA:	Groundwater		Soil		Both	X
OFF-SOURCE GW CONTAMINATION >ES:		**Yes**			**No**	X
• **IF YES, STREET ADDRESS:**						
• **GPS COORDINATES** (meters in WTM91 projection):	**X =**			**Y =**		
OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):		**Yes**		**No**	X	
• **IF YES, STREET ADDRESS 1:**						
• **GPS COORDINATES** (meters in WTM91 projection):	**X =**			**Y =**		
CONTAMINATION IN RIGHT OF WAY:	**Yes**	X		**No**		

DOCUMENTS NEEDED

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

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
101 West Pleasant Street, Suite 100A
Milwaukee, Wisconsin 53212-3963
TDD #: (608) 264-8777
Fax #: (414) 220-5374
http://www.commerce.state.wi.us
http://www.wisconsin.gov
Jim Doyle, Governor
Cory L. Nettles, Secretary

Wisconsin
Department of Commerce

June 24, 2003

Mr. Dennis Nelson
City of Milwaukee
DPW-Operations Division
841 N. Broadway, Room 602
Milwaukee, WI 53202-3613

RE: **Final Closure**

Commerce # 53218-2925-29 WDNR BRRTS # 03-41-174162
4th District Police Station, 6929 W. Silver Spring Dr., Milwaukee

Dear Mr. Nelson:

The Wisconsin Department of Commerce (Commerce) has received all items required as conditions for closure of the site referenced above. This case is now listed as "closed" on the Commerce database and will be included on the Wisconsin Department of Natural Resources (WDNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual soil and groundwater contamination. It is in your best interest to keep all documentation related to the environmental activities that were conducted.

If residual contamination is encountered in the future, it must be managed in accordance with all applicable regulations. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required. If applicable, the PECFA claim for this site would also be reopened and you may apply for assistance to the extent of remaining eligibility.

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 220-5403.

Sincerely,

Lee R. Delcore
Hydrogeologist
Site Review Section

cc: Giles Engineering Associates, Inc.
Case File

Form R E 3

Tax Roll No. D-15077

Description

Survey of City Property

Atlas Page: 188 Key: 3

1/4 section: NW 34-8-21

Assmt. Dist.: 2 Ward: 9

Lot 13, Block 1, Chevi-Park Subdivision

Grantor: Marvel Builders, Inc., & Fair Deal Investment Company

Type of Document: Warranty Deed Date: 3-2-54

Recorded: 3-2-54 Vol.3260 P. 169 No. 3275486

Consideration $ 14,700.00

Deed conditions:

Address: 6901 to 6999 West Silver Spring Drive

Title Judgment: Case No.

Size of Land: 293.82' x 220.68'

Former Owner:

Purchase Price: $ Resn. No. 53-1913 Adptd.: 11-17-53 Purpose: Fire and police station site

Part needed by City: All

Remnant: None

Present use of property: Fire and Police Station

Zoning:

Grade:

Appraisal of:

Land $ = $ per ft.

Bldgs. $_____ = $ per cu. foot

Total $

Date: Appraised by

Special Improvements

Water Main: Lateral:

San. Sewer: Lateral:

Storm Sewer: Lateral:

Type of Street:

Alley:

Curb:

Sidewalk:

Disposition recommended:

Bldgs. consist of:

Sale Price:

Assessed Value in 19 L. F. $ Bldg. $ TOTAL $

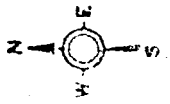
NW-34-8-21
ATLAS P. 188

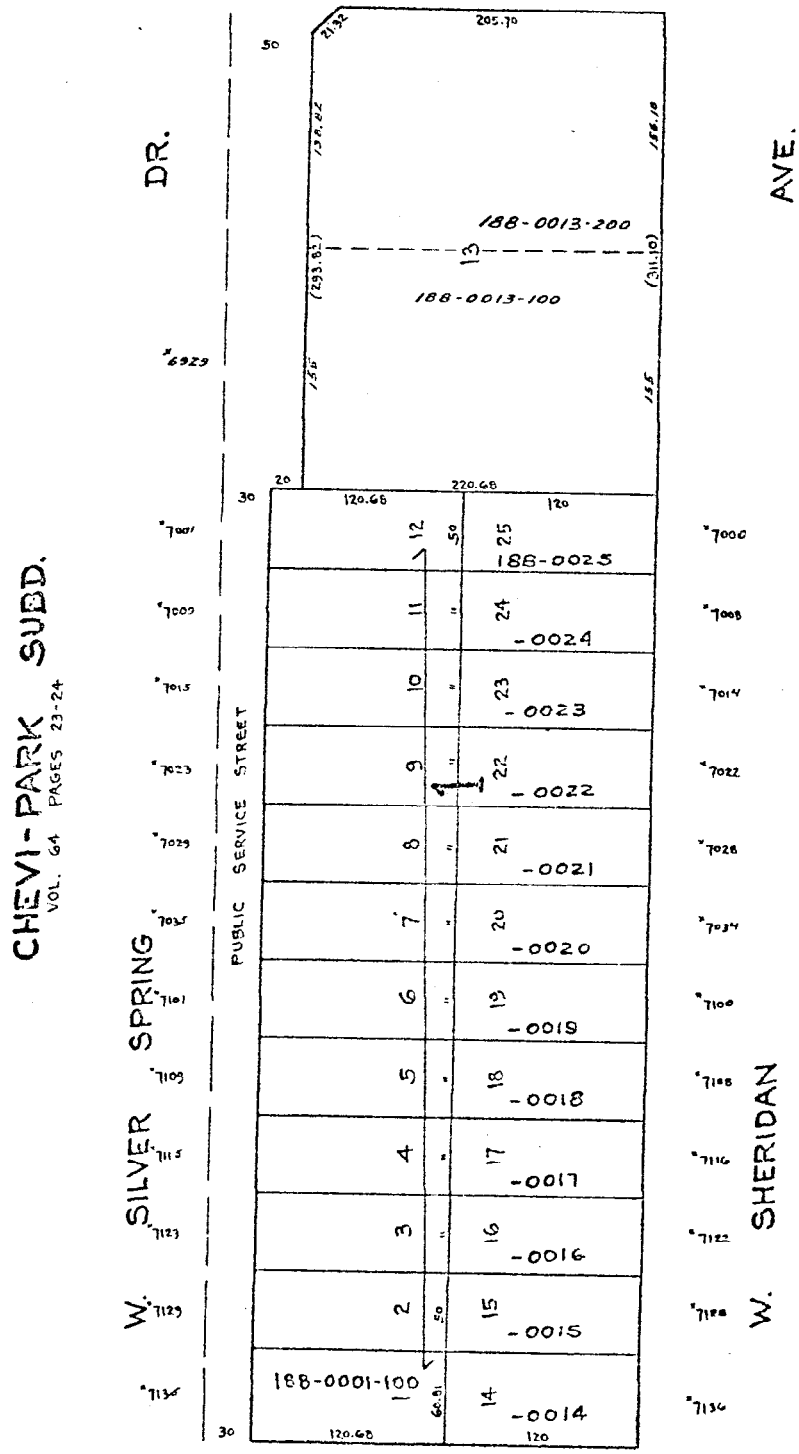
188

SCALE - 80' = 1 INCH

188-09

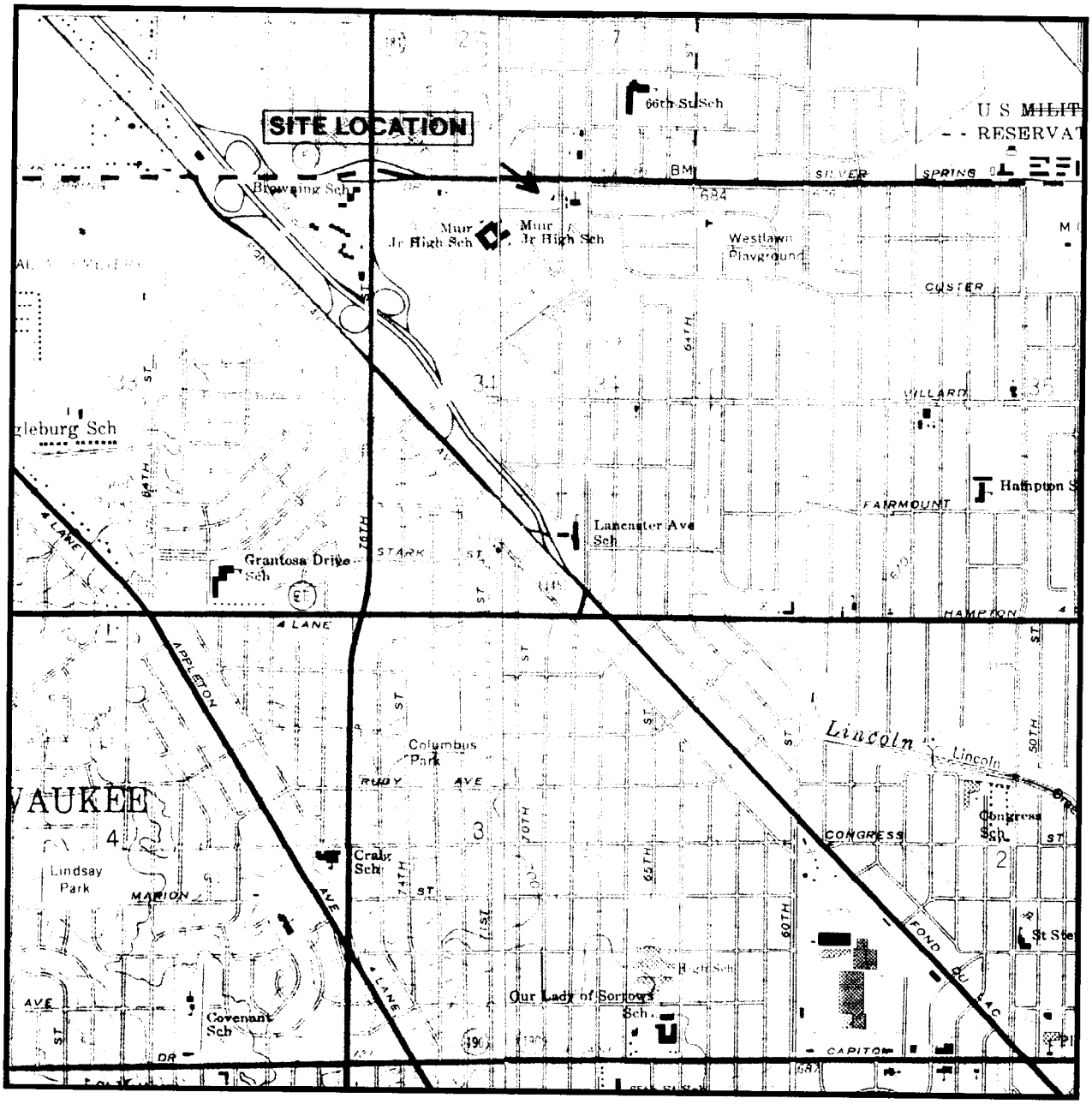
N. 69TH ST.





N. 72ND ST.

MICROFILMED 2-23-71



Source: USGS Milwaukee, Wisconsin 1958 (photorevised 1971) 7.5 Minute Series (topographic) Quadrangle Map

Scale: 1:24,000 (1"=2000')
Contour Interval: 10 Feet

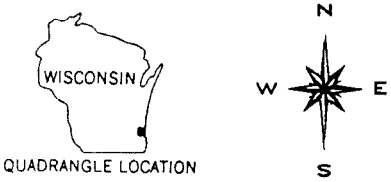
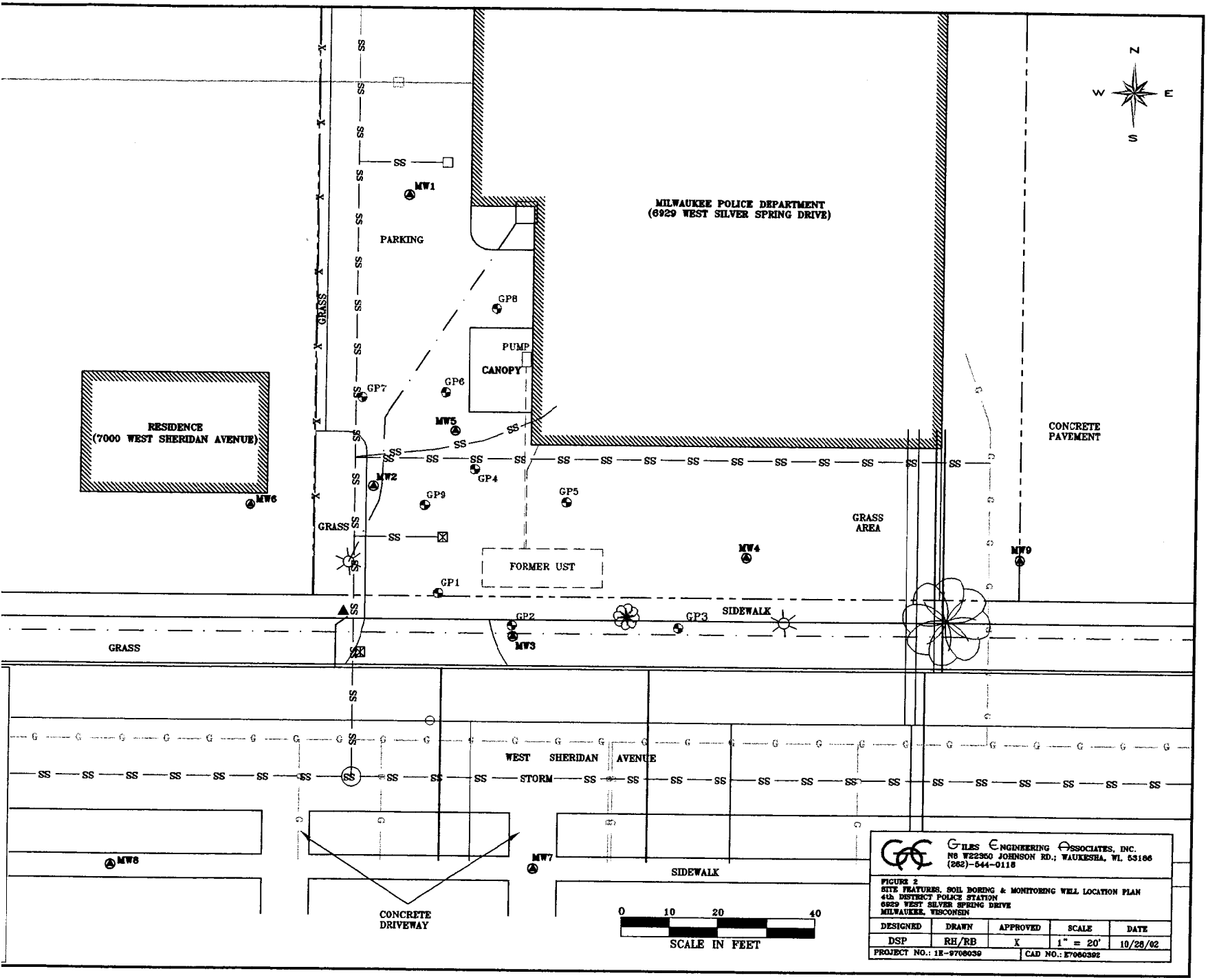


FIGURE 1
SUBJECT PROPERTY LOCATION

4th District Police Station
6929 West Silver Spring Drive
Milwaukee, Wisconsin
Project No. 1E-9708039

GILES
ENGINEERING ASSOCIATES, INC.



GILES ENGINEERING ASSOCIATES, INC.
N8 W22350 JOHNSON RD.; WAUKESHA, WI. 53186
(262)-544-0116

FIGURE 2
SITE FEATURES, SOIL BORING & MONITORING WELL LOCATION PLAN
4th DISTRICT POLICE STATION
6929 WEST SILVER SPRING DRIVE
MILWAUKEE, WISCONSIN

DESIGNED	DRAWN	APPROVED	SCALE	DATE
DSP	RH/RB	X	1" = 20'	10/28/02

PROJECT NO.: 1E-9706039 | CAD NO.: E7060392

TABLE 3

RESULTS OF GROUNDWATER CHEMICAL ANALYSIS

4th District Police Station

6929 West Silver Spring Drive

Milwaukee, Wisconsin

Project No. 1E-9708039

Sample Point	Date	GRO (ug/L)	Detected Volatile Organic Compounds (VOCs) (ug/L)						
			Benzene	Ethylbenzene	Xylenes	MTBE	Toluene	Napht	TMB
MW1	30-Sep-98	--	<0.2	<0.2	<0.6	<0.2	<0.3	<0.5	<0.5
	29-Apr-99	--	<0.4	<0.7	<2	<0.4	<0.7	<1.2	<1.4
	20-Sep-99	<14	<0.42	<0.66	<2.01	<0.35	<0.68	--	<1.34
	31-Jan-00	--	<0.42	<0.66	<2.01	<0.35	<0.68	--	<1.34
	1-Aug-00	<13	<0.44	<0.57	<1.48	<0.3	<0.44	--	<1.25
	18-Jun-01	--	<0.44	<0.57	<1.48	<0.3	<0.44	--	<1.25
	22-May-02	--	<0.44	<0.57	<1.48	<0.3	<0.44	--	<1.25
MW2	30-Sep-98	--	<38	<32	<108	**29300**	<66	<92	<104
	29-Apr-99	--	**515**	2.4	<2	**10200**	48	<1.2	<1.4
	20-Sep-99	6620	<42	<66	<201	**8880**	<68	--	<134
	31-Jan-00	--	<42	<66	<201	**8070**	<68	--	<134
	1-Aug-00	6370	**46j**	<28	<74	**11300**	<22	--	<63
	18-Jun-01	--	<22	<28	<74	**8460**	<22	--	<63
	22-May-02	--	**6.7**	<0.57	<1.48	**835**	0.54j	--	<1.25
	22-May-02	--	**7.6**	<0.57	1.5	**327**	0.55j	--	<1.25
MW3	30-Sep-98	--	<0.2	<0.2	<0.6	6	<0.3	<0.5	<0.5
	29-Apr-99	--	(1.2j)	0.7j	<2	**124**	1 j	<1.2	<1.4
	20-Sep-99	27j	<0.42	<0.66	<2.01	**75**	<0.68	--	<1.34
	31-Jan-00	--	<0.42	<0.66	<2.01	**67**	<0.68	--	<1.34
	1-Aug-00	16j	<0.44	<0.57	<1.48	**63**	<0.44	--	<1.25
	18-Jun-01	--	<1.8	<2.3	<5.9	**228**	<1.8	--	<3.13
	22-May-02	--	**7.6**	<0.57	1.7	**130**	<0.44	--	<1.25
MW4	30-Sep-98	--	<0.2	<0.2	<0.6	2.6	<0.3	<0.5	<0.5
	29-Apr-99	--	<0.4	<0.7	<2	(28)	<0.7	<1.2	<1.4
	20-Sep-99	<14	<0.42	<0.66	<2.01	(30)	<0.68	--	<1.34
	31-Jan-00	--	<0.42	<0.66	<2.01	**104**	<0.68	--	<1.34
	1-Aug-00	24j	<0.44	<0.57	<1.48	**84**	<0.44	--	<1.25
	18-Jun-01	--	<0.44	<0.57	<1.48	(23)	<0.44	--	<1.25
	22-May-02	--	<0.44	<0.57	<1.48	(19)	<0.44	--	<1.25
MW5	1-Oct-98	--	**36j**	31j	<54	**8400**	<33	<46	<52
	29-Apr-99	--	**40**	62	<10.1	**9540**	3.5j	<6.0	<6.7
	20-Sep-99	4910j	<84	<132	<402	**13400**	<136	--	<268
	31-Jan-00	--	**1240**	(221)	513j	**19700**	**1670**	--	<134
	1-Aug-00	55200	**8150**	**1990**	(7720)	**17900**	**10200**	--	**1529j**
	18-Jun-01	--	**104**	78	55j	**1160**	18j	--	29j
	22-May-02	--	**6.1j**	(200)	13	**2260**	22	--	(293)
MW6	18-Feb-99	--	<0.4	<0.7	<2	<0.4	<0.7	3j	<1.4
	29-Apr-99	--	<0.4	<0.7	<2	<0.4	<0.7	<1.2	<1.4
	20-Sep-99	<14	<0.42	<0.66	<2.01	<0.35	<0.68	--	<1.34
	31-Jan-00	--	<0.42	<0.66	<2.01	0.74j	<0.68	--	<1.34
	1-Aug-00	<13	<0.44	<0.57	<1.48	<0.3	<0.44	--	<1.25
	18-Jun-01	--	<0.44	<0.57	<1.48	<0.3	<0.44	--	<1.25
	22-May-02	--	<0.44	<0.57	<1.48	<0.3	<0.44	--	<1.25
MW7	24-Mar-00	--	<0.19	<0.16	<0.54	<0.21	<0.33	<0.46	<0.52
	1-Aug-00	<13	<0.44	<0.57	<1.48	<0.3	<0.44	--	<1.25
	18-Jun-01	--	<0.44	<0.57	<1.48	<0.3	<0.44	--	<1.25
	22-May-02	--	<0.44	<0.57	<1.48	<0.3	<0.44	--	<1.25
MW8	24-Mar-00	--	<0.19	<0.16	<0.54	<0.21	<0.33	<0.46	<0.52
	1-Aug-00	<13	<0.44	<0.57	<1.48	<0.3	<0.44	--	<1.25

TABLE 2b

OF SOIL CHEMICAL ANALYSIS - Monitoring Wells

4th District Police Station

6929 West Silver Spring Drive

MILWAUKEE, WISCONSIN

Project No. 1E-9708039

WDNR Direct Contact RCL	Test Boring Numbers									
	MW1	MW2	MW3		MW4	MW5		MW6	MW7	MW8
--	9-11	3-5	9-11	11-13	7-9	5-7	9-11	6-8	9.5-11	12-13.5
--	9-15-98	9-15-98	9-15-98	9-15-98	9-17-98	9-17-98	9-17-98	2-15-99	1-28-00	1-28-00
--	BDL	BDL	BDL	BDL	BDL	**171**	**2**	BDL	BDL	BDL
--	--	--	--	2500	--	--	1840	--	27100	17100
--	**1.2j**	<0.6	<0.6	--	<0.6	**68**	--	<0.6	--	--
NS	<29	<26	<28	--	<26	**8420**	--	<25	--	--
NS	<23	<21	<22	--	<21	**3810**	--	<25	--	--
1100	<19	<18	<19	--	<18	**561**	--	<25	--	--
NS	<19	<17	<18	--	<17	**2920**	--	<25	--	--
NS	<14	<13	<14	--	<13	**16500**	--	<25	--	--
NS	<21	<20	<21	--	<20	**202**	--	<25	--	--
NS	<62	<56	<60	--	<56	**2536**	--	**457**	--	--

ources

ls

parts per million (ppm)

parts per billion (ppb)

ory Limit of Detection (LOD) and the Limit of Quantification (LOQ)

Residual Contaminant Level (RCL) for soil set forth in NR720 or NR746

09/30/98	04/29/99	09/20/99
DETECTED VOCs MTBE = 29,300	DETECTED PVOCs B = 313 E = 2.4 MTBE = 10,200 T = 48	GRO = 6,620 DETECTED PVOC MTBE = 8,880

09/30/98	04/29/99
VOCs < LOD	PVOCs <

02/16/99	04/29/99	09/20/99
PVOCs < LOD Naph1 = 3j	PVOCs < LOD	GRO < LOD PVOCs < LOD

09/30/98	04/29/99	09/20/99
DETECTED VOCs MTBE = 6	DETECTED PVOCs B = (1.2j) MTBE = 124 E = 0.7j T = 1j	GRO = 27 DETECTED PVOCs MTBE = 75

CHEMICAL KEY:

-B: BENZENE
-E: ETHYLBENZENE
-MTBE: METHYL TERT BUTYL ETHER
-T: TOLUENE
-Naph1: NAPTHTHALENE
-TMBs: TRIMETHYLBENZENE
-X: TOTAL XYLENES

ABBREVIATIONS:

-VOC: VOLATILE ORGANIC COMPOUNDS
-LOD: LIMIT OF DETECTION
-GRO: GASOLINE RANGE ORGANICS
-PVOC: PETROLEUM VOLATILE ORGANIC COMPOUND

NOTES:

ALL RESULTS EXPRESSED IN MICROGRAMS PER LITER (ug/l) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS INDICATED IN CYAN/ (PARENTESES) EXCEE WISCONSIN ADMINISTRATIVE CODE PREVENTIVE ACTIO

RESULTS INDICATED IN RED/UNDERLINED EXCEED T WISCONSIN ADMINISTRATIVE CODE ENFORCEMENT ST

-j: CONCENTRATION BETWEEN LABORATORY LIMIT OF AND QUANTITATION LIMIT.

TABLE 1

GROUNDWATER TABLE ELEVATIONS

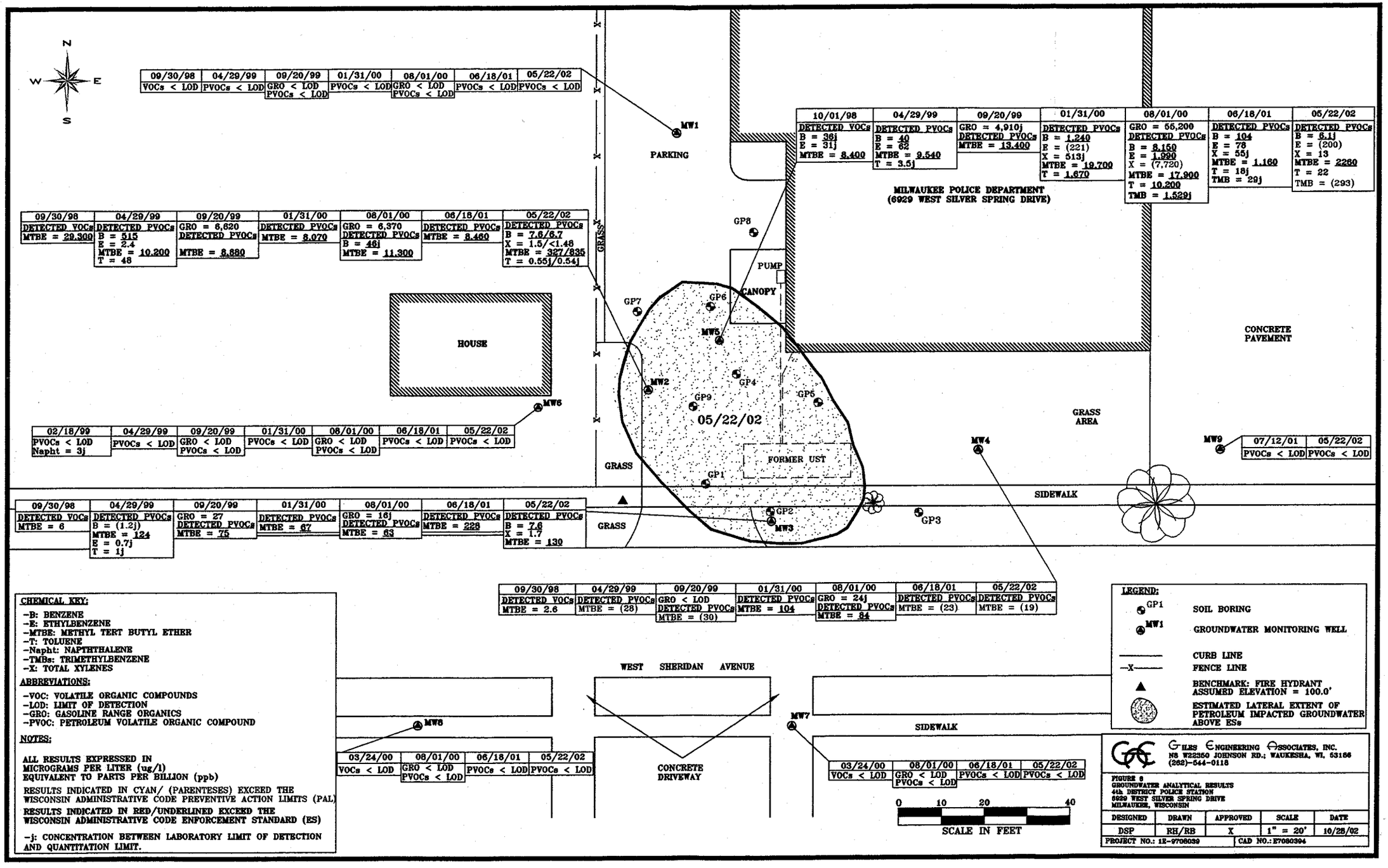
4th District Police Station
6929 West Silver Spring Drive
Milwaukee, Wisconsin
Project No. 1E-9708039

Groundwater Monitoring Wells	MW1	MW2	MW3	MW4	MW5	MW6
Ground Elevation	100.15	98.91	96.81	97.31	99.63	99.56
Top of PVC Riser	99.75	98.41	96.44	97.16	98.85	99.12
Top of PVC Screen	95.15	95.91	91.81	92.31	94.63	95.56
Bottom of PVC Screen	85.15	85.91	81.81	82.31	84.63	85.56
Groundwater Elevations						
30-Sep-98	94.64 (5.11)	93.46 (4.95)	90.92 (5.52)	91.31 (5.85)	94.26 (4.59)	Not Installed
29-Apr-99	95.75 (4.00)	94.96 (3.45)	94.32 (2.12)	92.01 (5.15)	95.38 (3.47)	94.38 (4.74)
20-Sep-99	95.29 (4.46)	93.28 (5.13)	92.08 (4.36)	91.76 (5.40)	94.07 (4.78)	92.62 (6.50)
31-Jan-00	94.51 (5.24)	92.80 (5.61)	91.56 (4.88)	91.91 (5.25)	93.50 (5.35)	92.02 (7.10)
31-Jul-00	95.56 (4.19)	94.21 (4.20)	93.56 (2.88)	92.49 (4.67)	94.80 (4.05)	94.46 (4.66)
18-Jun-01	--	95.10 (3.31)	92.94 (3.50)	93.64 (3.52)	95.48 (3.37)	95.43 (3.69)
Top of PVC Riser (resurveyed)	100.24	98.80	96.91	97.56	99.30	100.06
Groundwater Elevations						
22-May-02	96.29 (3.95)	94.73 (4.07)	94.17 (2.74)	93.15 (4.41)	95.36 (3.94)	94.83 (5.23)

Benchmark: Top bolt of fire hydrant in West Sheridan Avenue right-of-way, southwest of the subject property
( ): Depth to water level measured in feet from the top of PVC pipe
--: Not Measured
*: Measurement not representative of the static water level. Monitoring Well MW9 was installed on June 18

LEGEND:

MW1	GROUNDWATER MONITORING WELL
———	CURB LINE
▲	BENCHMARK: TOP BOLT OF FIRE HYDRA ASSUMED ELEVATION = 100.0'
93	GROUNDWATER ELEVATION CONTOUR LINE
93.15	GROUNDWATER ELEVATION ON 07/31/00



CHEMICAL KEY:

- -B: BENZENE
- -E: ETHYLBENZENE
- -MTBE: METHYL TERT BUTYL ETHER
- -T: TOLUENE
- -Napht: NAPTHTHALENE
- -TMBs: TRIMETHYLBENZENE
- -X: TOTAL XYLENES

ABBREVIATIONS:

- -VOC: VOLATILE ORGANIC COMPOUNDS
- -LOD: LIMIT OF DETECTION
- -GRO: GASOLINE RANGE ORGANICS
- -PVOC: PETROLEUM VOLATILE ORGANIC COMPOUND

NOTES:

ALL RESULTS EXPRESSED IN MICROGRAMS PER LITER (ug/l) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS INDICATED IN CYAN/ (PARENTESES) EXCEED THE WISCONSIN ADMINISTRATIVE CODE PREVENTIVE ACTION LIMITS (PAL)

RESULTS INDICATED IN RED/UNDERLINED EXCEED THE WISCONSIN ADMINISTRATIVE CODE ENFORCEMENT STANDARD (ES)

-j: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.

LEGEND:

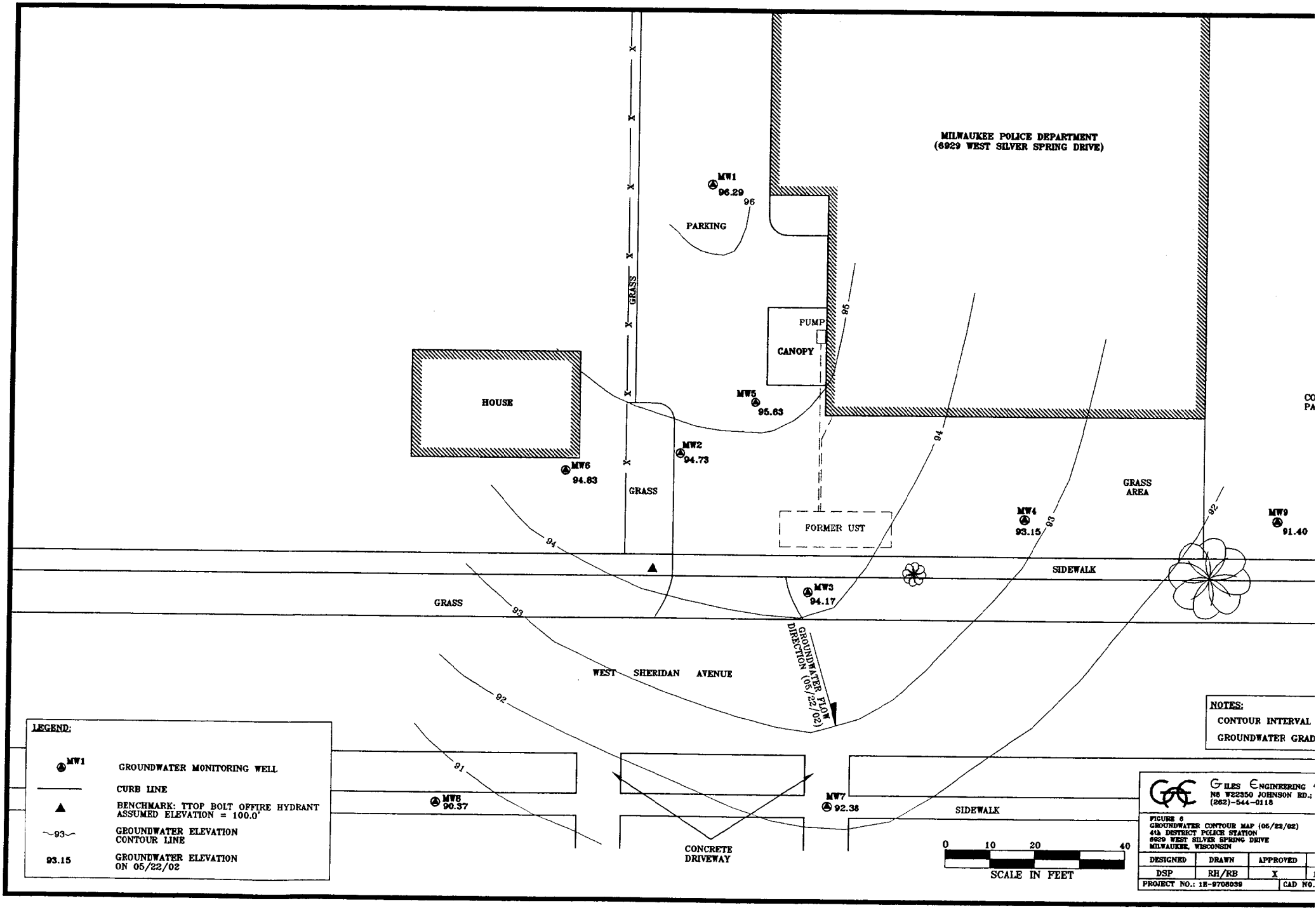
- GP1 — SOIL BORING
- MW1 — GROUNDWATER MONITORING WELL
- CURB LINE
- —X— FENCE LINE
- ▲ BENCHMARK: FIRE HYDRANT ASSUMED ELEVATION = 100.0'
- ESTIMATED LATERAL EXTENT OF PETROLEUM IMPACTED GROUNDWATER ABOVE ESs

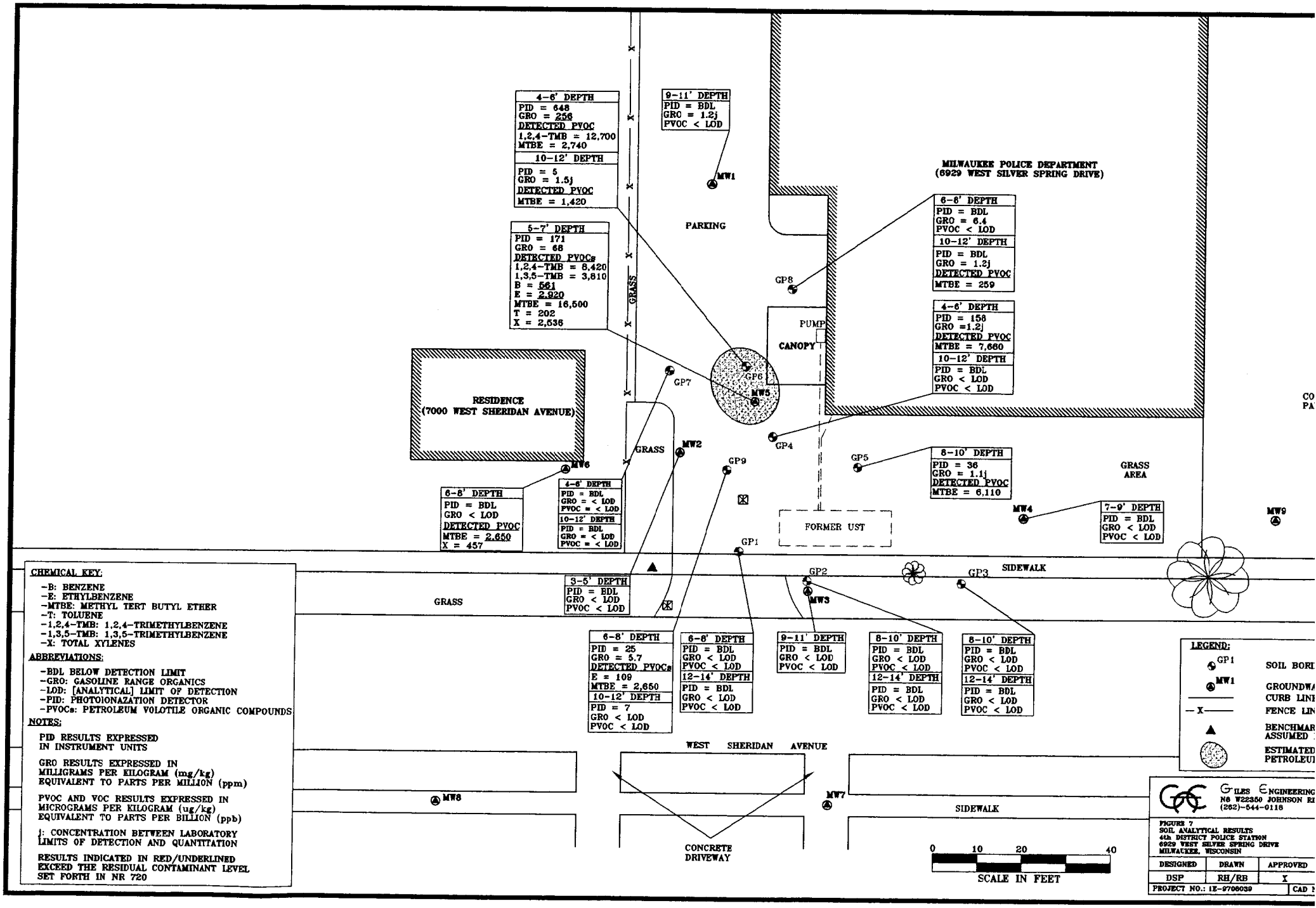
GILES ENGINEERING ASSOCIATES, INC.
N8 W22350 JOHNSON RD.; WAUKESHA, WI, 53186
(262)-544-0118

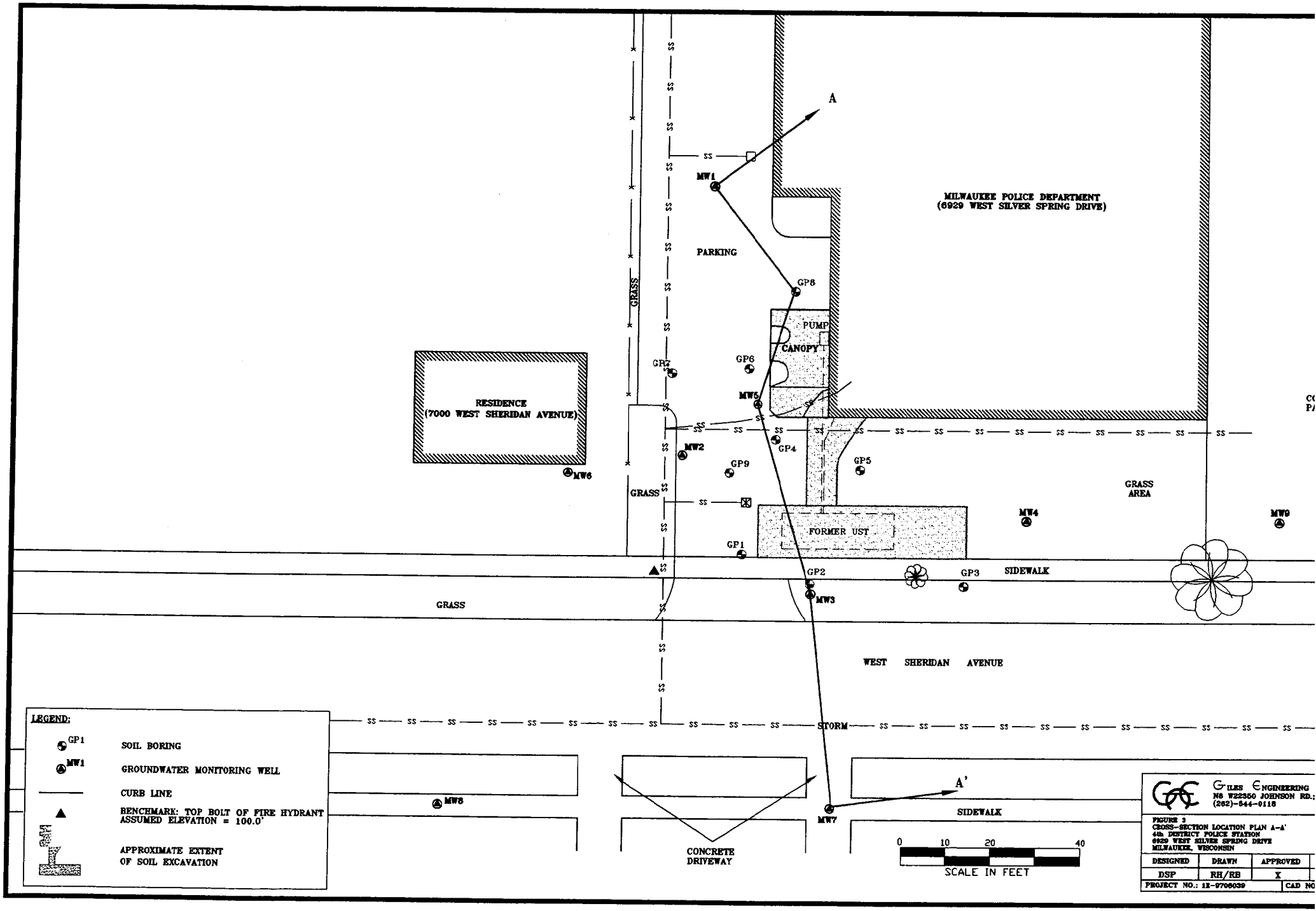
FIGURE 8
GROUNDWATER ANALYTICAL RESULTS
44th DISTRICT POLICE STATION
6929 WEST SILVER SPRING DRIVE
MILWAUKEE, WISCONSIN

DESIGNED	DRAWN	APPROVED	SCALE	DATE
DSP	RH/RB	X	1" = 20'	10/28/02

PROJECT NO.: 1E-9706039 | CAD NO.: E7060394

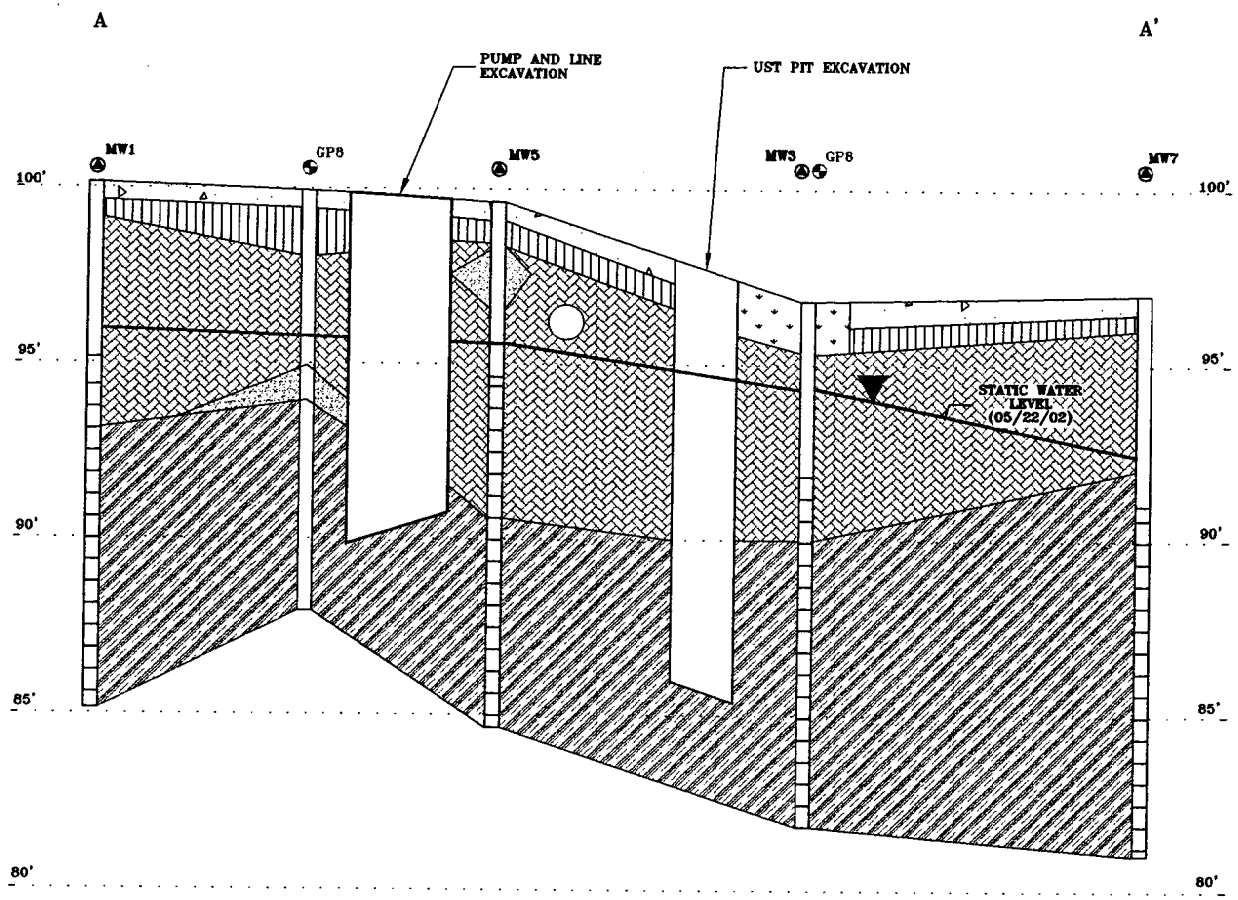

MILWAUKEE POLICE DEPARTMENT
(6929 WEST SILVER SPRING DRIVE)
MW1
96.29
96
PARKING
GRASS
PUMP
CANOPY
95
HOUSE
MW5
95.63
MW2
94.73
MW6
94.63
GRASS
94
GRASS
AREA
FORMER UST
MW4
93.15
93
92
MW9
91.40
SIDEWALK
MW3
94.17
GRASS
93
GROUNDWATER FLOW DIRECTION (05/22/02)
WEST SHERIDAN AVENUE
92
91
MW8
90.37
MW7
92.38
SIDEWALK
CONCRETE
DRIVEWAY
0 10 20 40
SCALE IN FEET
LEGEND:
MW1 GROUNDWATER MONITORING WELL
CURB LINE
BENCHMARK: TTOP BOLT OFFIRE HYDRANT
ASSUMED ELEVATION = 100.0'
93 GROUNDWATER ELEVATION
CONTOUR LINE
93.15 GROUNDWATER ELEVATION
ON 05/22/02
NOTES:
CONTOUR INTERVAL
GROUNDWATER GRAD
GILES ENGINEERING
N5 W22350 JOHNSON RD.;
(262)-544-0118
FIGURE 6
GROUNDWATER CONTOUR MAP (05/22/02)
41h DESTRICT POLICE STATION
6929 WEST SILVER SPRING DRIVE
MILWAUKEE, WISCONSIN
DESIGNED
DRAWN
APPROVED
DSP
RH/RB
X
PROJECT NO.: 1E-9708039
CAD NO.


4-6' DEPTH
PID = 648
GRO = 256
DETECTED PVOC
1,2,4-TMB = 12,700
MTBE = 2,740
10-12' DEPTH
PID = 5
GRO = 1.5j
DETECTED PVOC
MTBE = 1,420
9-11' DEPTH
PID = BDL
GRO = 1.2j
PVOC < LOD
MW1
PARKING
MILWAUKEE POLICE DEPARTMENT
(6929 WEST SILVER SPRING DRIVE)
6-8' DEPTH
PID = BDL
GRO = 6.4
PVOC < LOD
10-12' DEPTH
PID = BDL
GRO = 1.2j
DETECTED PVOC
MTBE = 259
5-7' DEPTH
PID = 171
GRO = 68
DETECTED PVOCs
1,2,4-TMB = 8,420
1,3,5-TMB = 3,810
B = 561
E = 2,920
MTBE = 16,500
T = 202
X = 2,536
GRASS
GP8
PUMP
CANOPY
4-6' DEPTH
PID = 158
GRO =1.2j
DETECTED PVOC
MTBE = 7,660
10-12' DEPTH
PID = BDL
GRO < LOD
PVOC < LOD
GP6
MW5
GP7
RESIDENCE
(7000 WEST SHERIDAN AVENUE)
GP4
GRASS
MW2
GP9
GP5
8-10' DEPTH
PID = 36
GRO = 1.1j
DETECTED PVOC
MTBE = 6,110
GRASS
AREA
MW6
6-8' DEPTH
PID = BDL
GRO < LOD
DETECTED PVOC
MTBE = 2,650
X = 457
4-6' DEPTH
PID = BDL
GRO = < LOD
PVOC = < LOD
10-12' DEPTH
PID = BDL
GRO = < LOD
PVOC = < LOD
FORMER UST
MW4
7-9' DEPTH
PID = BDL
GRO < LOD
PVOC < LOD
MW9
GP1
SIDEWALK
GP2
GP3
GRASS
3-5' DEPTH
PID = BDL
GRO < LOD
PVOC < LOD
MW3
6-8' DEPTH
PID = 25
GRO = 5.7
DETECTED PVOCs
E = 109
MTBE = 2,650
10-12' DEPTH
PID = 7
GRO < LOD
PVOC < LOD
6-8' DEPTH
PID = BDL
GRO < LOD
PVOC < LOD
12-14' DEPTH
PID = BDL
GRO < LOD
PVOC < LOD
9-11' DEPTH
PID = BDL
GRO < LOD
PVOC < LOD
8-10' DEPTH
PID = BDL
GRO < LOD
PVOC < LOD
12-14' DEPTH
PID = BDL
GRO < LOD
PVOC < LOD
8-10' DEPTH
PID = BDL
GRO < LOD
PVOC < LOD
12-14' DEPTH
PID = BDL
GRO < LOD
PVOC < LOD
WEST SHERIDAN AVENUE
MW8
MW7
SIDEWALK
CONCRETE
DRIVEWAY
0 10 20 40
SCALE IN FEET
CHEMICAL KEY:
-B: BENZENE
-E: ETHYLBENZENE
-MTBE: METHYL TERT BUTYL ETHER
-T: TOLUENE
-1,2,4-TMB: 1,2,4-TRIMETHYLBENZENE
-1,3,5-TMB: 1,3,5-TRIMETHYLBENZENE
-X: TOTAL XYLENES
ABBREVIATIONS:
-BDL BELOW DETECTION LIMIT
-GRO: GASOLINE RANGE ORGANICS
-LOD: [ANALYTICAL] LIMIT OF DETECTION
-PID: PHOTOIONAZATION DETECTOR
-PVOCs: PETROLEUM VOLOTILE ORGANIC COMPOUNDS
NOTES:
PID RESULTS EXPRESSED IN INSTRUMENT UNITS
GRO RESULTS EXPRESSED IN MILLIGRAMS PER KILOGRAM (mg/kg) EQUIVALENT TO PARTS PER MILLION (ppm)
PVOC AND VOC RESULTS EXPRESSED IN MICROGRAMS PER KILOGRAM (ug/kg) EQUIVALENT TO PARTS PER BILLION (ppb)
j: CONCENTRATION BETWEEN LABORATORY LIMITS OF DETECTION AND QUANTITATION
RESULTS INDICATED IN RED/UNDERLINED EXCEED THE RESIDUAL CONTAMINANT LEVEL SET FORTH IN NR 720
LEGEND:
GP1 SOIL BORI
MW1 GROUNDWA
CURB LIN
FENCE LIN
BENCHMAR ASSUMED
ESTIMATED PETROLEU
GILES ENGINEERING
N8 W22350 JOHNSON RI
(262)-544-0116
FIGURE 7
SOIL ANALYTICAL RESULTS
44th DISTRICT POLICE STATION
6929 WEST SILVER SPRING DRIVE
MILWAUKEE, WISCONSIN
DESIGNED
DRAWN
APPROVED
DSP
RH/RB
X
PROJECT NO.: 1E-9706039
CAD


A
MW1
MILWAUKEE POLICE DEPARTMENT
(6929 WEST SILVER SPRING DRIVE)
PARKING
GP8
PUMP
CANOPY
GRASS
GP7
GP6
MW5
RESIDENCE
(7000 WEST SHERIDAN AVENUE)
MW2
GP4
GP9
GP5
MW6
GRASS
GRASS
AREA
MW4
MW0
FORMER UST
GP1
GP2
GP3
SIDEWALK
MW3
GRASS
WEST SHERIDAN AVENUE
STORM
A'
MW8
MW7
SIDEWALK
CONCRETE
DRIVEWAY
0 10 20 40
SCALE IN FEET
LEGEND:
GP1 SOIL BORING
MW1 GROUNDWATER MONITORING WELL
CURB LINE
BENCHMARK: TOP BOLT OF FIRE HYDRANT
ASSUMED ELEVATION = 100.0'
APPROXIMATE EXTENT
OF SOIL EXCAVATION
GILES ENGINEERING
N6 W22350 JOHNSON RD.
(262)-544-0118
FIGURE 3
CROSS-SECTION LOCATION PLAN A-A'
44th DISTRICT POLICE STATION
6929 WEST SILVER SPRING DRIVE
MILWAUKEE, WISCONSIN
DESIGNED
DRAWN
APPROVED
DSP
RH/RB
X
PROJECT NO.: 1E-9706039
CAD NO

CROSS SECTION A–A'

SCALE: HORIZONTAL 1" = 20'
VERTICAL 1" = 4'



LEGEND:

- GP8 — BORING NUMBER AND LOCATION
- MW1 — MONITORING WELL NUMBER AND LOCATION
- WELL SCREEN
- STORM SEWER
- LIGHT BROWN TO BROWN SILTY/SANDY CLAY TO CLAYEY SILT TRACE TO SOME SAND AND GRAVEL
- BROWN–GRAY TO GRAY SILTY CLAY TO CLAYEY SILT TRACE TO LITTLE FINE TO COARSE SAND
- BLACK CLAYEY SILT TRACE FINE TO COARSE SAND
- GRAY TO BLACK SILTY FINE TO MEDIUM SAND TRACE COARSE SAND
- GRASS COVER
- CONCRETE COVER & BASE COURSE

0 10 20 40
SCALE IN FEET

GILES ENGINEERING &
N8 W22350 JOHNSON RD.;
(262)-544-0118

FIGURE 4
CROSS-SECTION A-A'
4th DISTRICT POLICE STATION
6629 WEST SILVER SPRING DRIVE
MILWAUKEE, WISCONSIN

DESIGNED	DRAWN	APPROVED
DSP	RH/RB	X

PROJECT NO.: 1E-9706039 CAD NO.:

I, Gregory J. Shelko, Special Deputy Commissioner of the Department of City Development, state that the City of Milwaukee is the fee owner of the property at 6901 to 6999 West Silver Spring Drive, Milwaukee, Wisconsin. The City acquired the property by a Warranty Deed dated March 2, 1954.

The legal descriptions in this document completely and accurately describe the parcel within the contaminated site boundaries associated with BRRTS No. 03-41-1744162.

City of Milwaukee

By: _____

Gregory J. Shelko
Special Deputy Commissioner
Department of City Development

Date: _____

GILES
ENGINEERING ASSOCIATES, INC.

GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

- Atlanta, GA
- Dallas, TX
- Los Angeles, CA
- Madison, WI
- Milwaukee, WI
- Orlando, FL
- Washington, D.C.

November 4, 2002

Mr. Ronald Leonhardt
City Clerk, City of Milwaukee
200 E. Wells Street, Rm 205
Milwaukee, WI 53202

RE: **Notice of Residual Petroleum Impacts Within Public Street or Right-of-Way**
4th District Police Station
6929 West Silver Spring Road
Milwaukee, Wisconsin
FID No. 241683090
BRRTS No. 03-41-174162
PECFA Claim No. 53218-2925-29
Project No. 1E-9708039

Dear Mr. Leonhardt:

Enclosed please find a copy of the Notice of Residual Petroleum Impacts letter, which was submitted to the City of Milwaukee - Department of Public Works. Chapter NR 726.05 (2)(b)(4) of the Wisconsin Administrative Code requires the Municipal Clerk and Municipal Department responsible for maintaining the street or highway be given written notification of the presence of petroleum impacts within the right-of-way. The attached letter serves as this notification. Please place a copy of this notification in the appropriate files.

If you have any questions or comments regarding this notification, please feel free to contact me at (262) 544-0118.

Sincerely,

GILES ENGINEERING ASSOCIATES, INC.

Dobrogniewa (Dobra) S. Payant, P.E.
Project Engineer

Richard A. Kormanik. P.E.
Senior Project Engineer

Distribution: City Clerk, City of Milwaukee
Attn: Mr. Ronald Leonhardt (1)
City of Milwaukee, Department of City Development
Attn: Mr. Dennis Nelson (1)
Wisconsin Department of Commerce
Attn: Ms. Linda Michalets (1)

1e-9708039-citynot.let/97env3/DSP/hmo

N8 W22350 Johnson Drive • Suite A1 • Waukesha, WI 53186
262 / 544-0118 • Fax 262 / 549-5868 • E-Mail milwauke@gilesengr.com

GILES
ENGINEERING ASSOCIATES, INC.
GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

• Atlanta, GA
• Dallas, TX
• Los Angeles, CA
• Madison, WI
• Milwaukee, WI
• Orlando, FL
• Washington, D.C.

November 4, 2002

Mr. Jeffrey Polenske
City Engineer, City of Milwaukee
Department of Public Works
Infrastructure Services Division
841 North Broadway
Milwaukee, WI 53202

RE: **Notice of Residual Petroleum Impacts Within Public Street or Right-of-Way**
4th District Police Station
6929 West Silver Spring Road
Milwaukee, Wisconsin
FID No. 241683090
BRRTS No. 03-41-174162
PECFA Claim No. 53218-2925-29
Project No. 1E-9708039

Dear Mr. Polenske:

On behalf of the City of Milwaukee, Department of City Development, Giles Engineering Associates, Inc. (Giles) is notifying the City of Milwaukee Department of Public Works regarding the potential presence of residual petroleum hydrocarbon impacts within groundwater located along the south property line (adjacent to West Sheridan Avenue) at the above-referenced site. Giles has petitioned the Wisconsin Department of Commerce (WDOC) for case closure, conditional upon filing of the appropriate GIS registry information and notifying municipal authorities of petroleum impacts extending into public right-of-ways.

Pursuant to Wisconsin Administrative Code, Chapter NR 726.05 (2)(b)(4), Giles is herein notifying your department of the presence of groundwater impacts beneath the right-of-way of West Sheridan Avenue, which exceed applicable Wisconsin Administrative Code (WAC) NR 140 standards. Giles has enclosed a copy of "Groundwater Analytical Results" figure showing monitoring well locations and historical groundwater quality.

If future construction activities require dewatering, or if groundwater is to be otherwise extracted in the vicinity of the above-referenced site, the groundwater shall be managed in compliance with all applicable regulations.

N8 W22350 Johnson Drive • Suite A1 • Waukesha, WI 53186
262 / 544-0118 • Fax 262 / 549-5868 • E-Mail milwauke@gilesengr.com

If you have any questions or comments, please contact me at (262) 544-0118.

Sincerely,

GILES ENGINEERING ASSOCIATES, INC.

Dobrogniewa (Dobra) S. Payant, P.E.
Project Engineer

Richard A. Kormanik, P.E.
Senior Project Manager

Enclosure: "Groundwater Analytical Results" (1);
(Figure 8 copied from Giles *Site Investigation, Groundwater Monitoring, and Request for Case Closure Report*)

Distribution: City Engineer, City of Milwaukee
Attn: Mr. Jeffrey Polenske (1)
City of Milwaukee, Department of City Development
Attn: Mr. Dennis Nelson (1)
Wisconsin Department of Commerce
Attn: Ms. Linda Michalets (1)
City of Milwaukee City Clerk
Attn: Mr. Ronald Leonhardt (1)