GIS REGISTRY INFORMATION

SITE NAME:	Union Cemetery
BRRTS #:	03-41-107177
FID # (if appropriate):	
COMMERCE # (if appropriate):	53209-2200-75
CLOSURE DATE:	July 10, 2003
STREET ADDRESS:	3175 N Teutonia Ave
CITY:	Milwaukee

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	**X =**	687934	**Y =**	291970			
CONTAMINATED MEDIA:	Groundwater		Soil		Both	X	
OFF-SOURCE GW CONTAMINATION >ES:	**Yes**		**No**				
• **IF YES, STREET ADDRESS:**							
• **GPS COORDINATES** (meters in WTM91 projection):	**X =**		**Y =**				
OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):	**Yes**		**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 issued	X
Copy of most recent deed, including legal description, for all affected properties	
Certified survey map or relevant portion of the recorded plat map (*if referenced in the legal description*) for all affected properties	
County Parcel ID number, *if used for county*, for all affected properties	X
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.	X
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	X
Isoconcentration map(s), *if required for site investigation (SI)* (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. **If not available, include the latest extent of contaminant plume map.**	X
GW: Table of water level elevations, with sampling dates, and free product noted if present	X
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	X
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour	X
Geologic cross-sections, *if required for SI.* (8.5x14' if paper copy)	X
RP certified statement that legal descriptions are complete and accurate	
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*	X

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

July 10, 2003

Mr. Jim Erceg
Graceland & Union Cemeteries
6401 N. 43rd St.
Milwaukee, WI 53209

RE: **Final Closure**

Commerce # 53209-2200-75 WDNR BRRTS # 03-41-107177
Union Cemetery, 3175 N. Teutonia Ave., Milwaukee

Dear Mr. Erceg:

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. It is in your best interest to keep all documentation related to the environmental activities that were conducted.

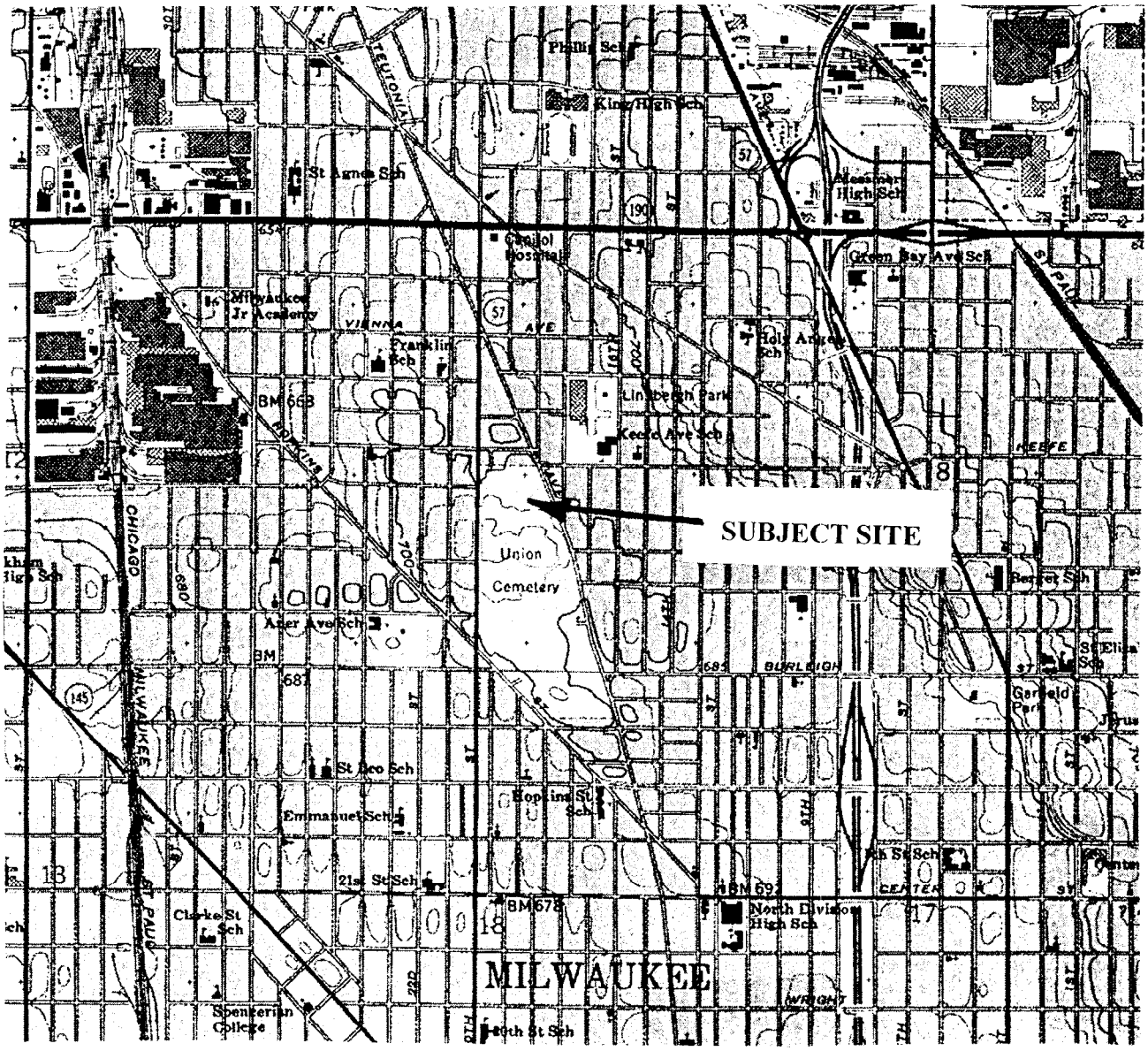
If residual contamination is encountered in the future, it must be managed in accordance with all applicable regulations. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required. If applicable, the PECFA claim 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) 220-5402.

Sincerely,

Stephen D. Mueller
Hydrogeologist
Site Review Section

cc: Mr. Charles Zimney, Envirogen
Case File



(USGS [1958] 1971)
MILWAUKEE QUADRANGLE

SCALE
1:24000

1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET

N

LOCATION

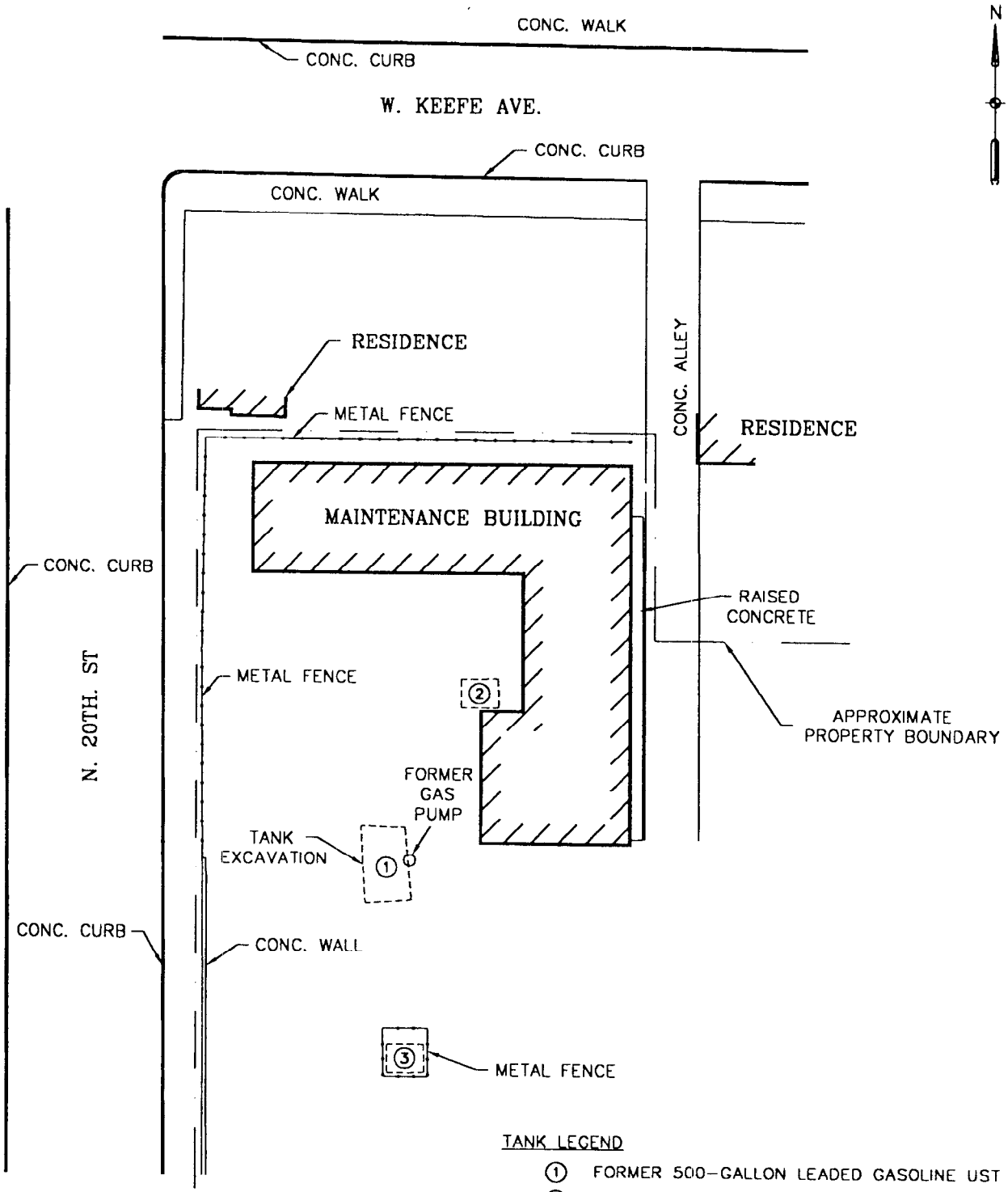
ENVIROGEN

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

2835 North Grandview Blvd.
Pewaukee, Wisconsin 53072-0090

SITE LOCATION MAP	FIGURE NO. 1
UNION CEMETERY SITE MILWAUKEE, WISCONSIN	

DRAWING NO.	96.757L1
DRAWN BY:	RRT
CHECKED BY:	07/10/00
APPROVED BY:	AS
REVISIONS:	
ENGINEER	DATE
ENGINEER	DATE



TANK LEGEND

① FORMER 500-GALLON LEADED GASOLINE UST
② FORMER 275-GALLON DIESEL AST
③ UPGRADED AST

ENVIROGEN

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

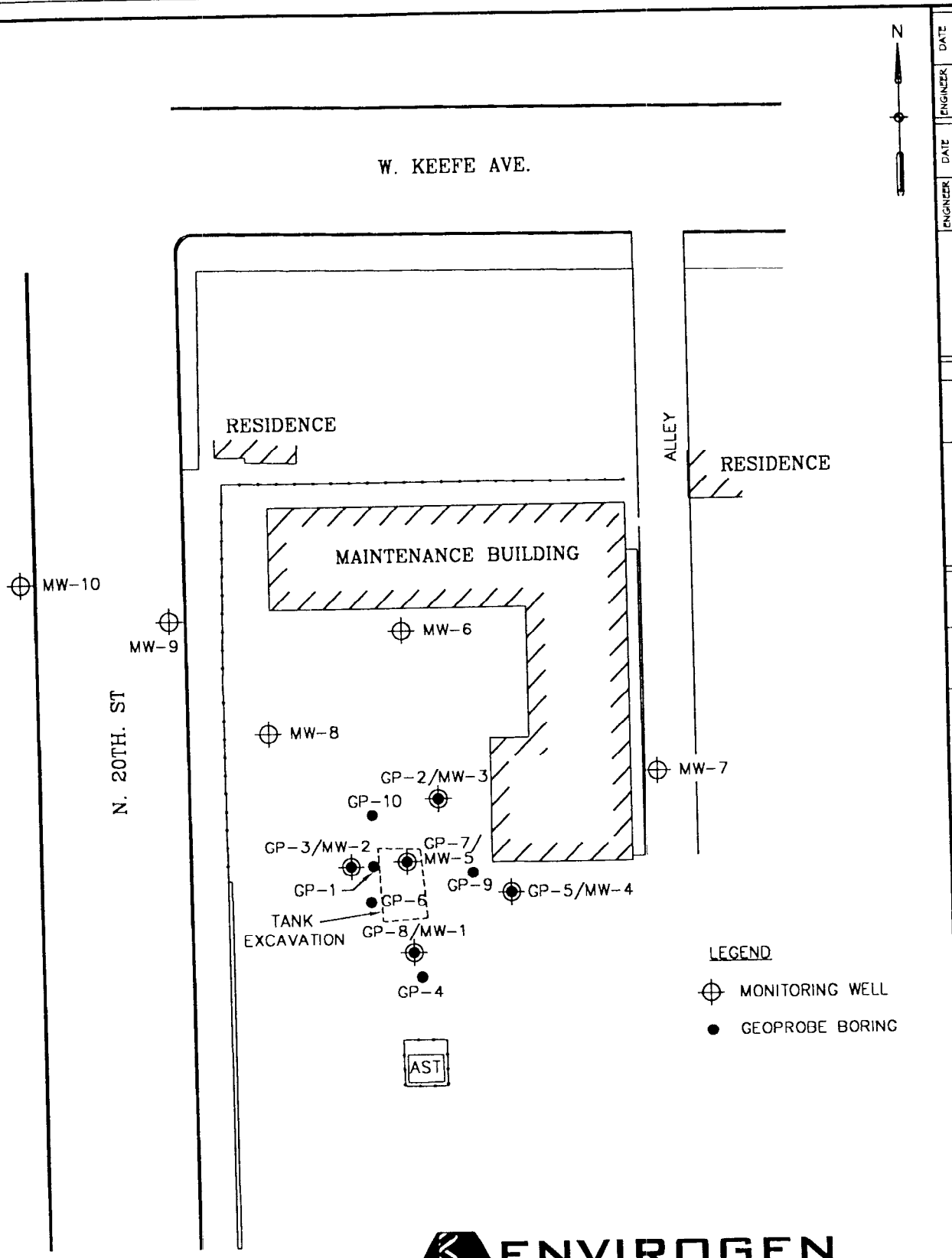
2835 North Grandview Blvd.
Pewaukee, Wisconsin 53072-0090

SCALE

0 10' 20' 30' 40'

SITE PLAN VIEW	FIGURE NO. 2
UNION CEMETERY SITE MILWAUKEE, WISCONSIN	

DRAWING NO.	96.757L2
DRAWN BY:	RRT
	07/10/00
CHECKED BY:	
	A
APPROVED BY:	
REVISIONS:	
ENGINEER	
DATE	
ENGINEER	
DATE	



DRAWING NO.	96.7571.5
DRAWN BY:	RRT
	10/04/00
CHECKED BY:	
APPROVED BY:	
REVISIONS:	
ENGINEER	DATE
ENGINEER	DATE

ENVIROGEN
COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT
2835 North Grandview Blvd.
Pewaukee, Wisconsin 53072-0090

SCALE
0 10' 20' 30' 40'

GEOPROBE BORING/MONITORING WELL CONFIGURATION
UNION CEMETERY SITE
MILWAUKEE, WISCONSIN

FIGURE NO.
5

TABLE 6

Groundwater Sample Laboratory Analytical Results
Union Cemetery Site
Milwaukee, Wisconsin

Well Number	Date	Parameter												
		Benzene	Ethyl-benzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naph-thalene	1,2-Dichloro-ethane	Isopropyl-benzene	n-Propyl-benzene	Lead	GRO
MW-1	7/10/97	<0.31	<0.38	<0.39	<1.1	<0.32	<0.33	<0.14	<0.35	<0.20	<0.36	<0.46	<0.89	<50
	6/8/99	<0.26	<0.24	<0.21	<1.34	<0.86	<0.54	<0.22	NA	NA	NA	NA	NA	NA
	4/11/00	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.20	NA	NA	NA	NA	NA	NA
MW-2	7/10/97	<0.31	<0.38	<0.39	<1.1	<0.32	<0.33	**2.1**	<0.35	**0.23**	<0.36	<0.46	<0.89	<50
	6/8/99	<0.27	<0.32	<0.27	<0.67	<0.22	<0.27	**0.50**	NA	<0.37	NA	NA	NA	NA
	4/11/00	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.20	NA	NA	NA	NA	NA	NA
MW-3	7/10/97	**550**	<1.9	**11**	**29**	**2.9**	<1.6	**110**	<1.8	<1.0	<1.8	<2.3	<0.89	**740**
	6/8/99	**69**	<0.24	**0.79**	<1.34	<0.86	<0.54	**43**	NA	NA	NA	NA	NA	NA
	4/11/00	<0.50	<0.50	<0.50	**0.564**	<1.0	<1.0	**13.3**	NA	NA	NA	NA	NA	NA
MW-4	7/10/97	**0.61**	<0.38	<0.39	<1.1	<0.32	<0.33	<0.14	<0.35	<0.20	<0.36	<0.46	<0.89	<50
	6/8/99	<0.26	<0.24	<0.21	<1.34	<0.86	<0.54	<0.22	NA	NA	NA	NA	NA	NA
	4/11/00	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.20	NA	NA	NA	NA	NA	NA
MW-5	7/10/97	**6,200**	**2,200**	**17,000**	**12,000**	**1,800**	**480**	**180**	**400**	<20	**58**	**180**	**2.4**	**57,000**
	6/8/99	**3,000**	**880**	**4,700**	**4,200**	**800**	**200**	**84**	**120**	<9.2	**24**	**69**	NA	NA
	4/11/00	**1,490**	**541**	**862**	**1,870**	**568**	**161**	**66.4**	<200	NA	NA	NA	<5.0	NA
NR 140PAL		0.5	140	200	1,000	96*		12	8	0.5	NS	NS	1.5	NS
NR 140 ES		5	700	1,000	10,000	480*		60	40	5	NS	NS	15	NS

Notes:

Concentrations in ppb unless otherwise noted.

Dark shading indicates value exceeds the NR 140 ES

Light shading indicates value exceeds the NR 140 PAL

PAL: Preventive Action Limit established in NR 140 WAC
GRO: gasoline range organics
NA: Not analyzed
TMB: Trimethylbenzene
Checked by: _____ Approved by: _____

ES: Enforcement Standard established in NR 140 WAC
MTBE: methyl t-butyl ether
NS: No Standard
(*): 1,2,4 TMB and 1,3,5 TMB combined standard

TABLE 6 (cont'd)

Groundwater Sample Laboratory Analytical Results
Union Cemetery Site
Milwaukee, Wisconsin

Well Number	Date	Parameter												
		Benzene	**Ethyl-benzene**	**Toluene**	**Xylenes**	**1,2,4-TMB**	**1,3,5-TMB**	**MTBE**	**Naph-thalene**	**1,2-Dichloro-ethane**	**Isopropyl-benzene**	**n-Propyl-benzene**	**Lead**	**GRO**
MW-6	12/19/97	<0.31	<0.38	<0.39	<1.1	<0.32	<0.33	<0.14	<0.35	<0.20	<0.36	<0.46	NA	<50
	6/8/99	<0.26	<0.24	<0.21	<1.34	<0.86	<0.54	<0.22	NA	NA	NA	NA	NA	NA
	4/11/00	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.20	NA	NA	NA	NA	NA	NA
MW-7	12/19/97	<0.31	<0.38	<0.39	<1.1	<0.32	<0.33	<0.14	**0.93**	<0.20	<0.36	<0.46	NA	<50
	6/8/99	<0.26	<0.24	<0.21	<1.34	<0.86	<0.54	<0.22	NA	NA	NA	NA	NA	NA
	4/11/00	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.20	NA	NA	NA	NA	NA	NA
MW-8	12/19/97	<0.31	<0.38	<0.39	<1.1	<0.32	<0.33	**1.7**	**1.7**	<0.20	<0.36	<0.46	NA	<50
	6/8/99	<0.26	<0.24	<0.21	<1.34	<0.86	<0.54	**0.51**	NA	NA	NA	NA	NA	NA
	4/11/00	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.20	NA	NA	NA	NA	NA	NA
MW-9	12/19/97	<0.31	<0.38	<0.39	<1.1	<0.32	<0.33	**98**	<0.35	**6.7**	<0.36	<0.46	NA	<50
	6/8/99	<0.27	<0.32	<0.27	<0.67	<0.22	<0.27	**110**	NA	**1.7**	NA	NA	NA	NA
	4/11/00	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**91.5**	NA	**4.3**	NA	NA	NA	NA
MW-10	12/19/97	<0.31	<0.38	<0.39	<1.1	<0.32	<0.33	<0.14	<0.35	<0.20	<0.36	<0.46	NA	<50
	6/8/99	<0.26	<0.24	<0.21	<1.34	<0.86	<0.54	<0.22	NA	NA	NA	NA	NA	NA
	4/11/00	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.20	NA	NA	NA	NA	NA	NA
NR 140 PAL		0.5	140	200	1,000	96*		12	8	0.5	NS	NS	1.5	NS
NR 140 ES		5	700	1,000	10,000	480*		60	40	5	NS	NS	15	NS

Notes:

Concentrations in ppb unless otherwise noted.

Dark shading indicates value exceeds the NR 140 ES

Light shading indicates value exceeds the NR 140 PAL

PAL: Preventive Action Limit established in NR 140 WAC
GRO: gasoline range organics
NA: Not analyzed
TMB: Trimethylbenzene

ES: Enforcement Standard established in NR 140 WAC
MTBE: methyl t-butyl ether
NS: No Standard
(*): 1,2,4 TMB and 1,3,5 TMB combined standard

Checked by: _____ Approved by: _____

TABLE 4

Soil Sample Laboratory Analytical Results
Union Cemetery Site
Milwaukee, Wisconsin

Parameter	Sample Number (Depth feet-bls)										NR 720 Generic Soil Standard	COMM 46.06 Table 1
	GP-1 (9'-13')	GP-2 (10')	GP-2 (13'-17')	GP-3 (5'-9')	GP-3 (13'-17')	GP-5 (13')	GP-5 (16')	GP-7 (6')	GP-7 (9-13')	GP-7 (16'-18')		
Sample Date	07/02/97											
GRO (ppm)	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	100	NS
Lead (ppm)	9.9	8.5	8.8	7.5	9.3	7.9	9.0	13	8.6	9.5	50	NS
VOCs												
Benzene	<11	27	12	<11	<12	<11	<11	3,220	331	100	5.5	8,500
Ethylbenzene	<28	<28	<28	<28	<29	<28	<27	5,640†	1,050	271	2,900	4,600
Toluene	<28	<28	<28	<28	<29	<28	<27	9,200	2,280	769	1,500	38,000
Xylenes	<84	<84	84	<85	<86	<85	<81	31,100	5,600	1,240	4,100	42,000
1,2,4-TMB	<28	<28	64	<28	61	<28	86	13,800	2,860	441	NS	83,000
1,3,5-TMB	<28	<28	<28	<28	<29	<28	<27	4,490	903	147	NS	11,000
MTBE	<28	29	<28	<28	<29	<28	<27	<290	<28	<28	NS	NS
Naphthalene	NA	NA	NA	NA	NA	NA	NA	2,190	343	50	NS	2,700
1,2 dichloroethane	NA	NA	NA	NA	NA	NA	NA	<150	<15	<15	4.9	600
n-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	1,150	297	52	NS	NS
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	<290	<28	<28	NS	NS
tert-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	1,500	320	56	NS	NS
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	506	110	<28	NS	NS
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA	<290	50	<28	NS	NS
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA	2,070	423	78	NS	NS

Notes to Table 4: Concentrations in ppb unless otherwise noted.

Shading indicates value equals or exceeds the NR 720 generic soil standard

†: Indicates value exceeds COMM 46.06 Table 1 Value

VOC: Volatile organic compounds

GRO: Gasoline range organics

TMB: Trimethylbenzene

NA: Not analyzed

MTBE: Methyl tert-butyl ether

NS: No standard

Bls: Below land surface

Checked by:_____ Approved by:_____

TABLE 4 (cont'd)

Soil Sample Laboratory Analytical Results
Union Cemetery Site
Milwaukee, Wisconsin

Parameter	Sample Number									NR 720 Generic Soil Standard	COMM 46.06 Table 1
	GP-8 (8'-10')	GP-8 (10'-14')	GP-9 (10'-13')	GP-10 (9'-13')	MW-6 (8'-10')	MW-7 (8'-10')	MW-8 (6'-8')	MW-9 (8'-10')	MW-10 (6'-8')		
Sample Date					12/09/97						
GRO (ppm)	NA	NA	NA	NA	<2.9	<2.9	<2.9	<2.8	<3.1	100	NS
Lead (ppm)	**9.0**	**13**	**8.6**	**9.0**	NA	NA	NA	NA	NA	50	NS
VOCs											
Benzene	<11	<11	<11	<11	<25	<25	<25	<25	<25	5.5	8,500
Ethylbenzene	<28	**53**	<28	<28	<25	<25	<25	<25	<25	2,900	4,600
Toluene	<28	<28	<28	<28	<25	<25	<25	<25	<25	1,500	38,000
Xylenes	<85	**156**	<83	<83	<25	<25	<25	<25	<25	4,100	42,000
1,2,4-TMB	**48**	**178**	**35**	**36**	<25	<25	<25	<25	<25	NS	83,000
1,3,5-TMB	<28	**69**	<28	<28	<25	<25	<25	<25	<25	NS	11,000
MTBE	**44**	<28	<28	<28	<25	<25	<25	<25	<25	NS	NS
Naphthalene	NA	NA	NA	NA	<25	<25	<25	<25	<25	NS	2,700
1,2 Dichloroethane	NA	NA	NA	NA	<25	<25	<25	<25	<25	4.9	600
n-Butylbenzene	NA	NA	NA	NA	<25	<25	<25	<25	<25	NS	NS
sec-Butylbenzene	NA	NA	NA	NA	<25	<25	<25	<25	<25	NS	NS
tert-Butylbenzene	NA	NA	NA	NA	<25	<25	<25	<25	<25	NS	NS
Isopropylbenzene	NA	NA	NA	NA	<25	<25	<25	<25	<25	NS	NS
p-Isopropyltoluene	NA	NA	NA	NA	<25	<25	<25	<25	<25	NS	NS
n-Propylbenzene	NA	NA	NA	NA	<25	<25	<25	<25	<25	NS	NS

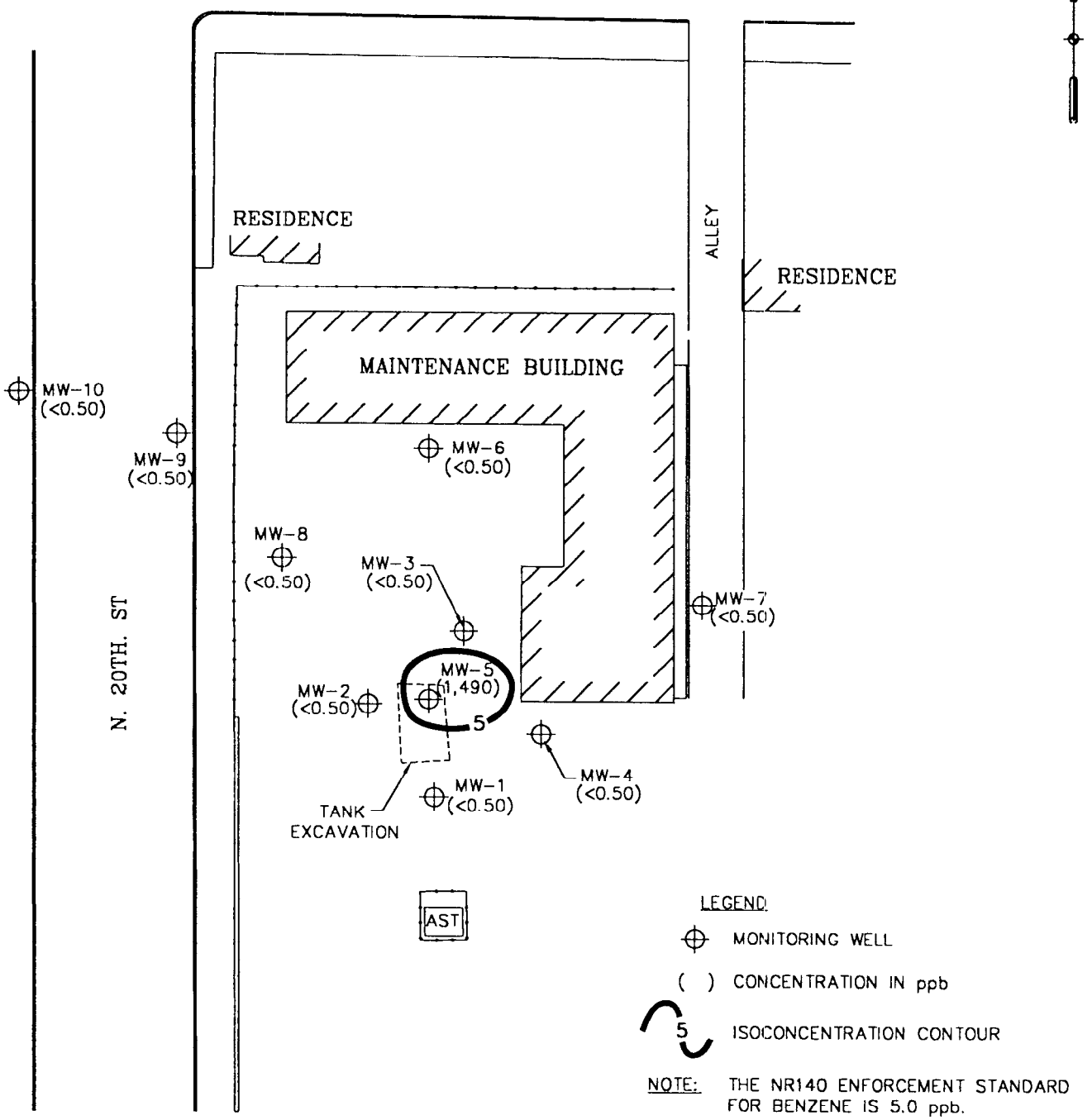
Notes to Table 4:

Concentrations in ppb unless otherwise noted.

Shading indicates value equals or exceeds the NR 720 generic soil standard

GRO: Gasoline range organics
TMB: Trimethylbenzene
NA: Not analyzed
Bls: Below land surface
VOC: Volatile organic compounds
MTBE: Methyl tert-butyl ether
NS: No standard

Checked by:_____ Approved by:_____



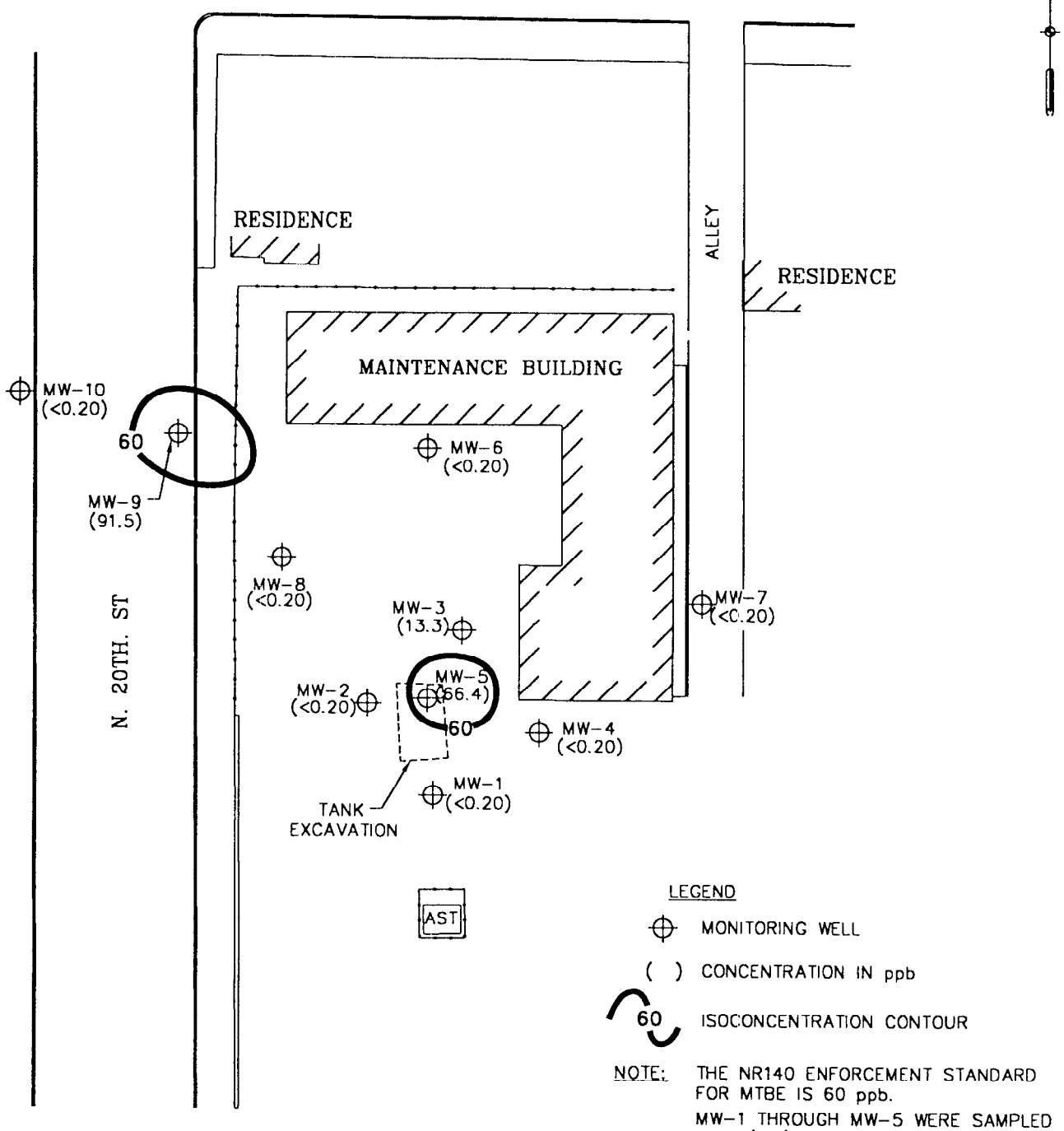
DATE | ENGINEER | DATE | ENGINEER | REVISIONS: | APPROVED BY: | CHECKED BY: | 10/04/00 | RRT | DRAWN BY: | 96.757L16 | DRAWING NO.

ENVIROGEN
COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT
2835 North Grandview Blvd.
Pewaukee, Wisconsin 53072-0090

SCALE
0 10' 20' 30' 40'

GROUNDWATER BENZENE DISTRIBUTION
(04/11/00)
UNION CEMETERY SITE
MILWAUKEE, WISCONSIN

FIGURE NO.
16



ENVIROGEN

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

2835 North Grandview Blvd.
Pewaukee, Wisconsin 53072-0090

SCALE

0 10' 20' 30' 40'

GROUNDWATER MTBE DISTRIBUTION
(04/11/00)
UNION CEMETERY SITE
MILWAUKEE, WISCONSIN

FIGURE NO. 18

DRAWING NO.	96.757L18
DRAWN BY:	RRT
	10/04/00
CHECKED BY:	
APPROVED BY:	
REVISIONS:	
ENGINEER	DATE
ENGINEER	DATE

TABLE 5

Groundwater Elevation Data
Union Cemetery Site
Milwaukee, Wisconsin

Date	MW-1		MW-2		MW-3		MW-4		MW-5	
	TOC Elev = 696.53		TOC Elev = 696.14		TOC Elev = 695.87		TOC Elev = 696.91		TOC Elev = 696.21	
	ft to water	Elevation	ft to water	Elevation	ft to water	Elevation	ft to water	Elevation	ft to water	Elevation
07/10/97	2.25	694.28	3.45	692.69	5.40	690.47	4.25	692.66	3.82	692.39
12/19/97	NM	-	NM	-	NM	-	NM	-	NM	-
02/04/98	3.72	692.81	4.12	692.02	5.07	690.80	5.23	691.68	4.90	691.31
06/08/99	2.37	694.16	3.58	692.56	6.70	689.17	4.23	692.68	4.14	692.07
04/11/00	2.86*	693.67	4.01	692.13	4.95	690.92	4.77	692.14	4.60	691.61

Notes:

Elevations in feet relative to mean sea level (msl)

TOC: Top of casing

NM: Not Measured

* : MW-1 continued to recharge during water level measurement

Checked by:_____

Approved by:_____

TABLE 5
(Continued)

Groundwater Elevation Data
Union Cemetery Site
Milwaukee, Wisconsin

Date	MW-6		MW-7		MW-8		MW-9		MW-10	
	TOC Elev = 695.81		TOC Elev = 695.31		TOC Elev = 695.93		TOC Elev = 693.17		TOC Elev = 693.09	
	ft to water	Elevation	ft to water	Elevation	ft to water	Elevation	ft to water	Elevation	ft to water	Elevation
07/10/97	NA		NA		NA		NA		NA	
12/19/97	9.61	686.20	5.74	689.57	10.49	685.44	10.64	682.53	9.36	683.73
02/04/98	6.11	689.70	5.09	690.22	NA		7.26	685.91	7.32	685.77
06/08/99	5.92	689.89	4.21	691.10	6.84	689.09	8.18	684.99	7.63	685.46
04/11/00	7.00	688.81	4.41	690.90	6.35	689.58	7.96	685.21	7.15	685.94

Notes:

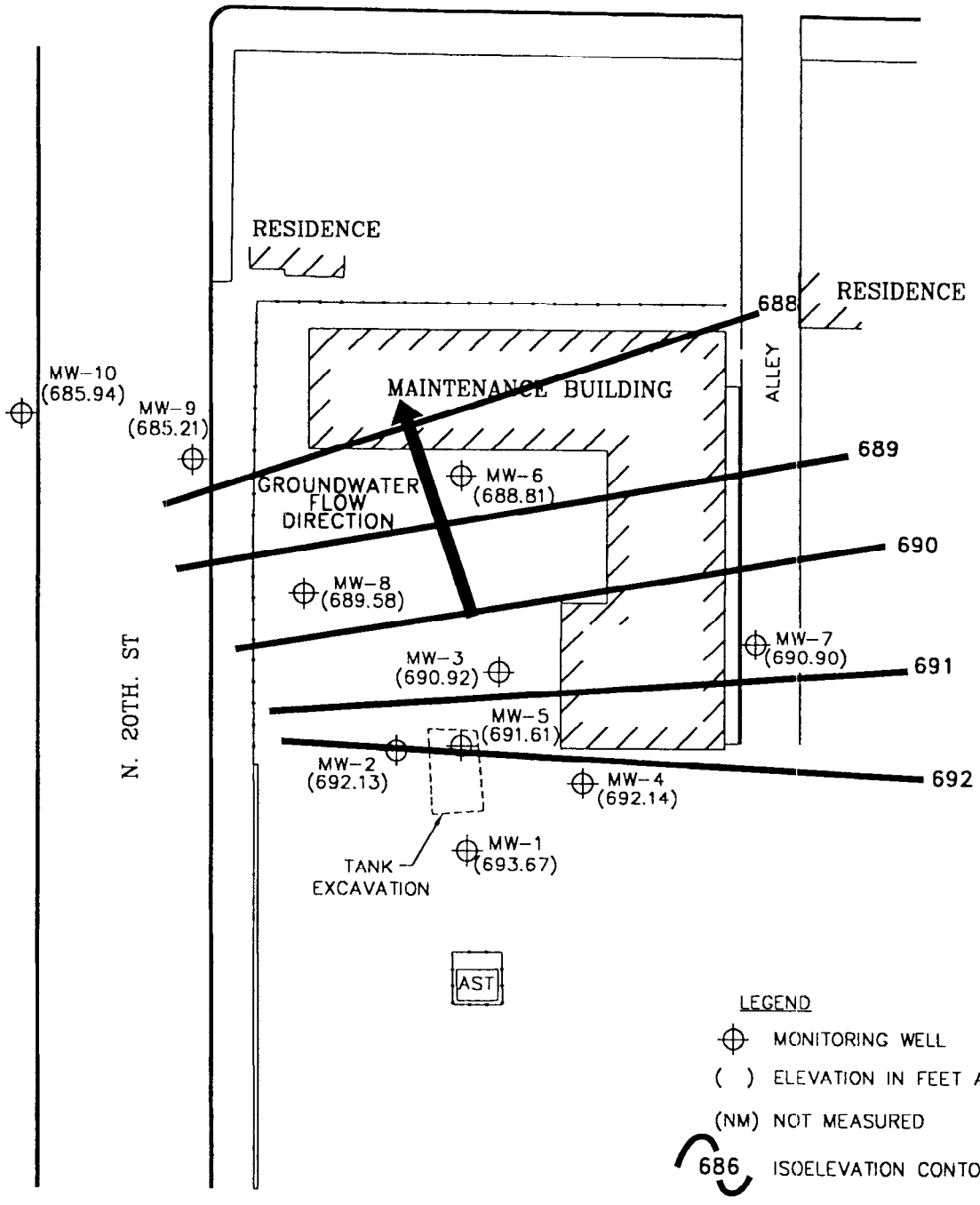
Elevations in feet relative to mean sea level (msl)

TOC: Top of casing

NA: Not Available; wells MW-6, MW-7, MW-8, MW-9 and MW-10 were installed 12/09/97. On 02/04/98, MW-8 was not accessible.

Checked by:_____

Approved by:_____



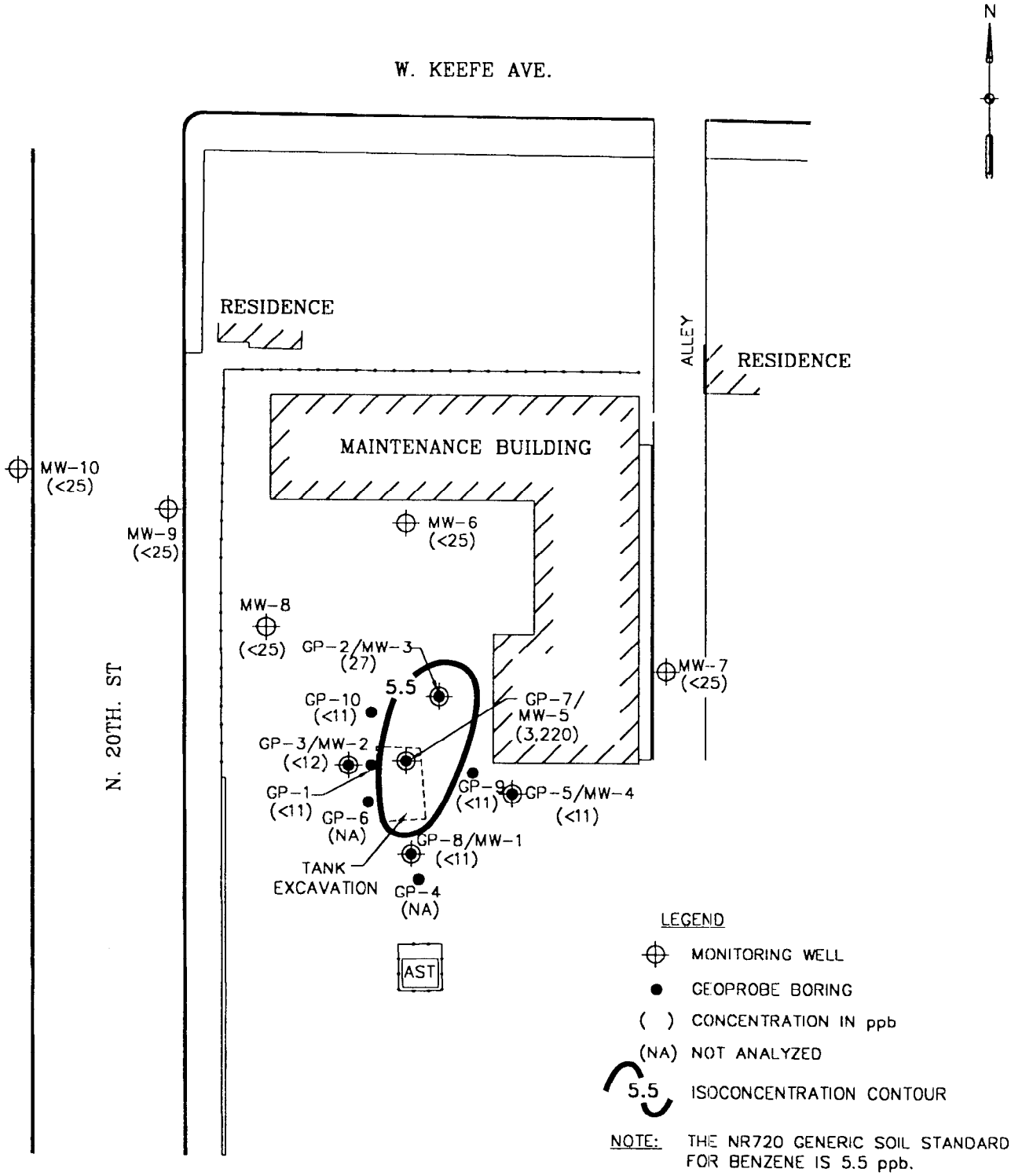
DRAWING NO.	96.757L13
DRAWN BY:	RRT
	10/09/00
CHECKED BY:	
APPROVED BY:	
REVISIONS:	
ENGINEER	DATE
ENGINEER	DATE

ENVIROGEN
COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT
2835 North Grandview Blvd.
Pewaukee, Wisconsin 53072-0090

SCALE
0 10' 20' 30' 40'

POTENTIOMETRIC SURFACE
(04/11/00)
UNION CEMETERY SITE
MILWAUKEE, WISCONSIN

FIGURE NO.
13



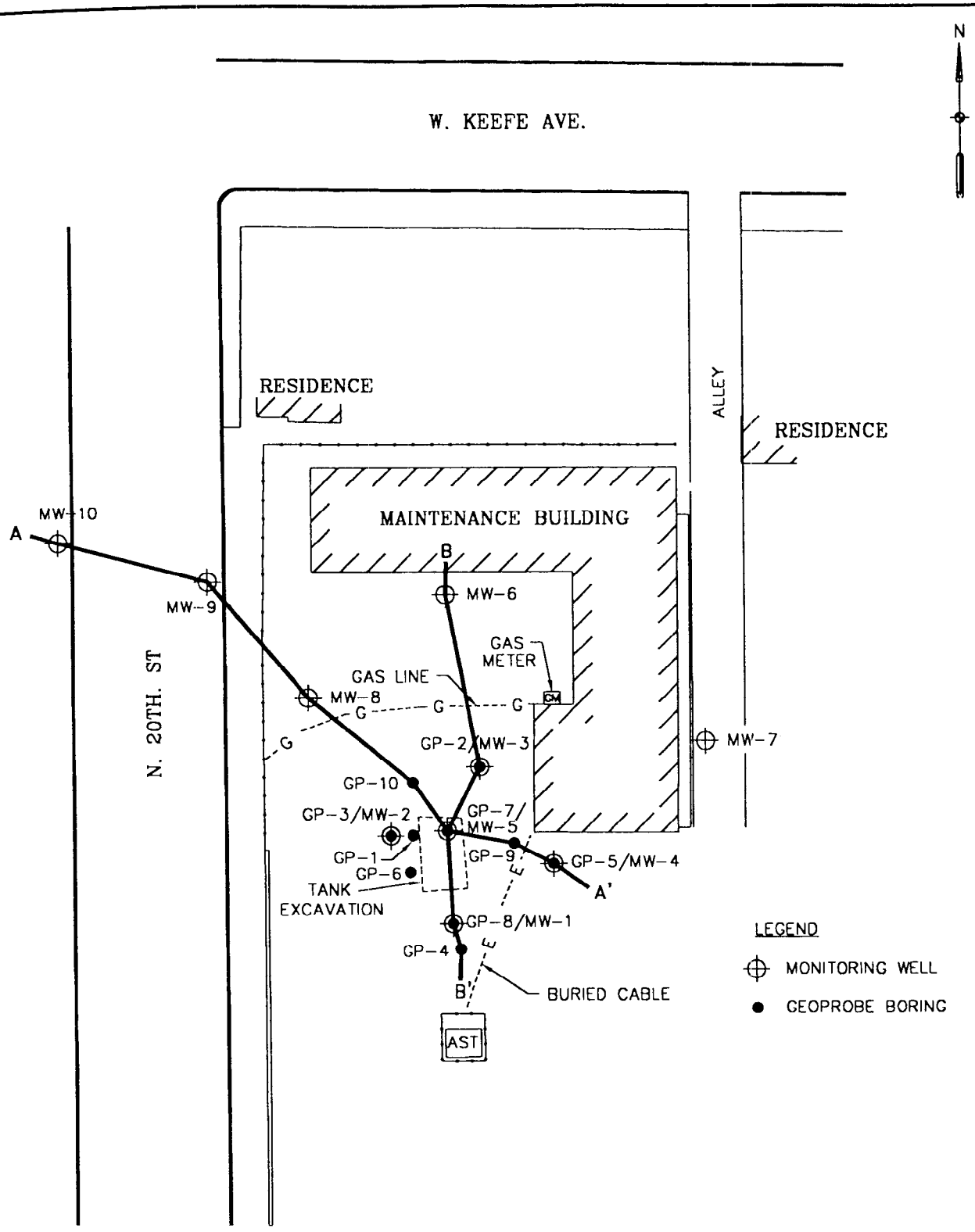
ENVIROGEN

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

2835 North Grandview Blvd.
Pewaukee, Wisconsin 53072-0090

SOIL BENZENE DISTRIBUTION 0-10 FEET BLS UNION CEMETERY SITE MILWAUKEE, WISCONSIN	FIGURE NO. 9

DRAWING NO.	
96.7571.9	
DRAWN BY:	RRT
10/09/00	
CHECKED BY:	
APPROVED BY:	
REVISIONS:	
ENGINEER	DATE
ENGINEER	DATE



ENVIROGEN

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

2835 North Grandview Blvd.
Pewaukee, Wisconsin 53072-0090

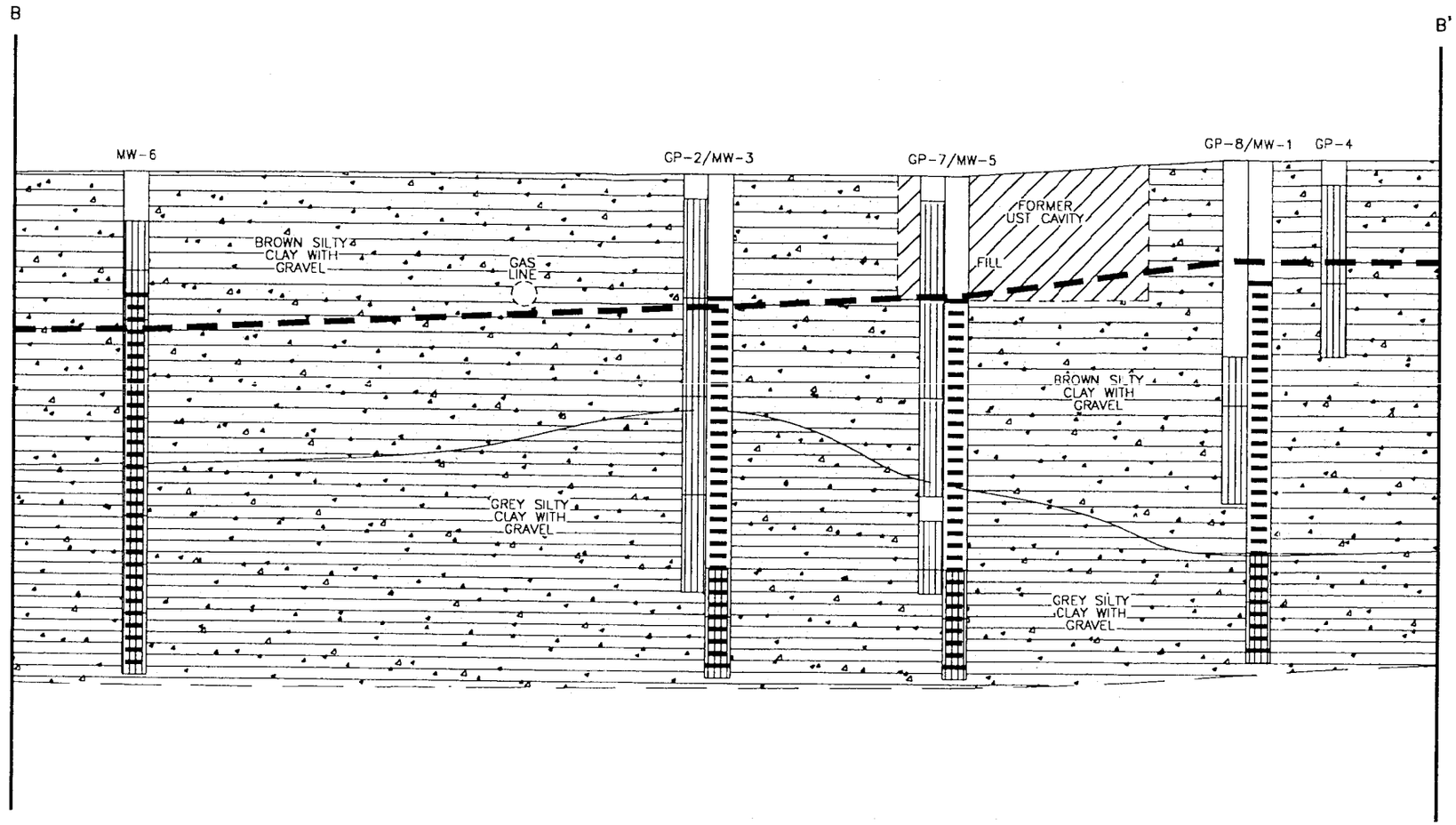
SCALE

0 10' 20' 30' 40'

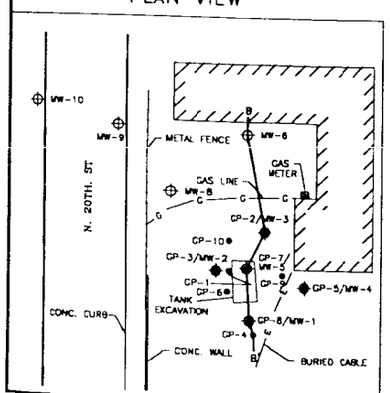
CROSS-SECTION PLAN VIEW	FIGURE NO. 6
UNION CEMETERY SITE MILWAUKEE, WISCONSIN	

DRAWING NO.	96.7576
DRAWN BY:	RRT
	07/10/00
CHECKED BY:	
APPROVED BY:	
REVISIONS:	
ENGINEER	DATE
ENGINEER	DATE

TABLES



PLAN VIEW



LEGEND

SAMPLE INTERVAL

SCREENED INTERVAL

GROUNDWATER TABLE (2/4/98)

SCALE

HORIZONTAL: 1" = 10'

VERTICAL: 1" = 5'

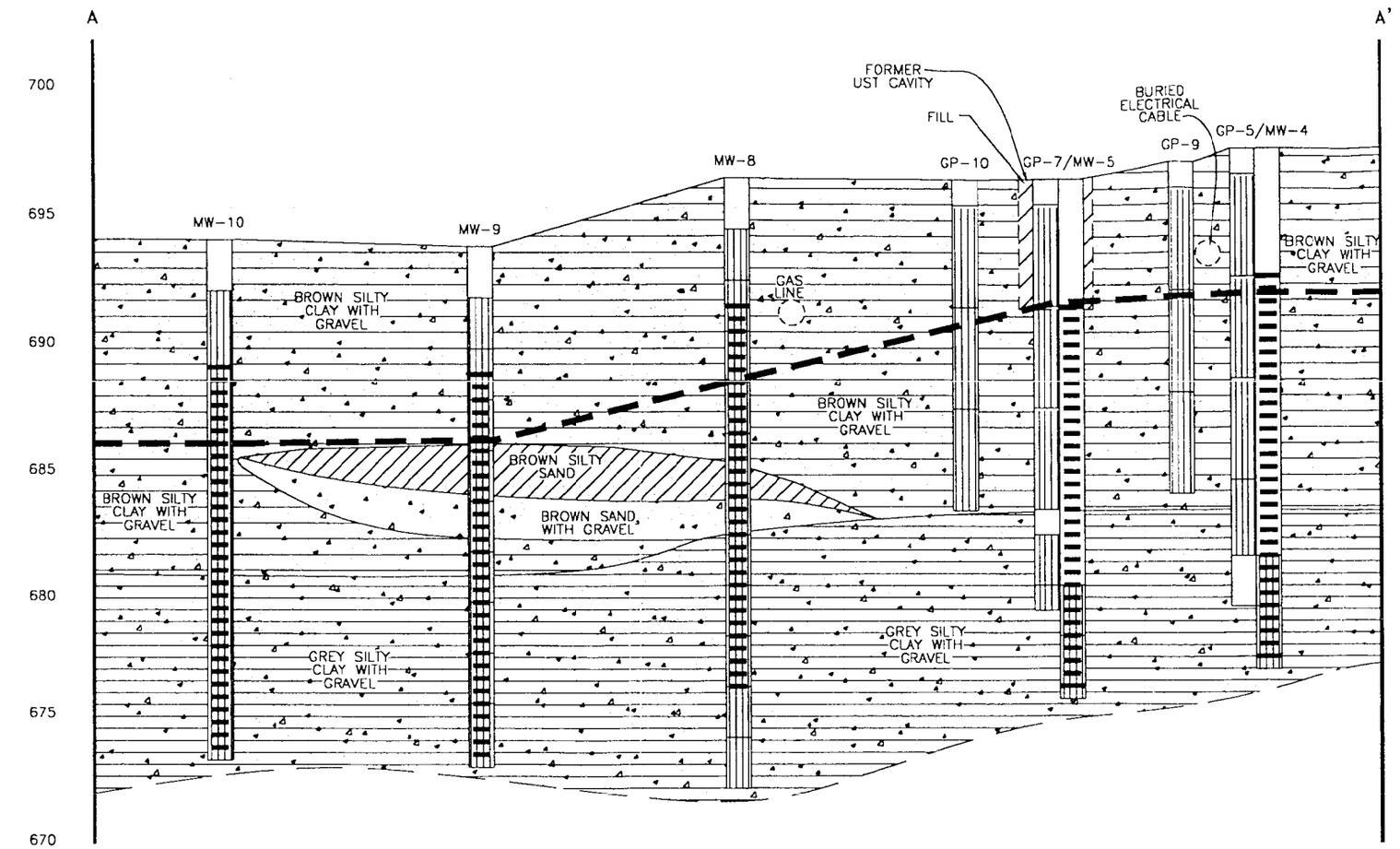
ENVIROGEN
COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT
2835 North Grandview Blvd.
Pewaukee, Wisconsin 53072-0090

GEOLOGIC CROSS-SECTION B-B'

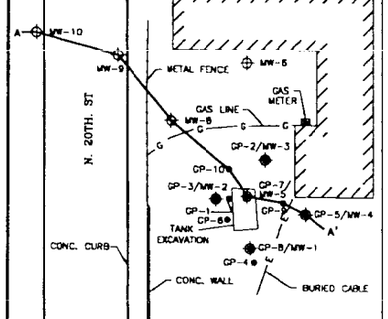
UNION CEMETERY SITE
MILWAUKEE, WISCONSIN

FIGURE NO. 8

DRAWING NO.	DRAWN BY:	CHECKED BY:	APPROVED BY:	REVISIONS:	ENGINEER	DATE	ENGINEER	DATE
96.7157L8	RRT	07/10/00						



PLAN VIEW



LEGEND

SAMPLE INTERVAL

SCREENED INTERVAL

GROUNDWATER TABLE (2/4/98)

SCALE

HORIZONTAL: 1" = 20'

VERTICAL: 1" = 5'

ENVIROGEN

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

2835 North Grandview Blvd.
Waukee, Wisconsin 53072-0090

GEOLOGIC CROSS-SECTION A-A'

UNION CEMETERY SITE
MILWAUKEE, WISCONSIN

FIGURE NO. 7

DRAWING NO.	96.7571.7
DRAWN BY:	RST
	07/10/00
CHECKED BY:	
APPROVED BY:	
REVISIONS:	
ENGINEER	DATE
ENGINEER	DATE

ENVIROGEN

2835 N. Grandview Blvd.
Post Office Box 90
Pewaukee, Wisconsin 53072-0090

Tel: (414) 549-6898
Fax: (414) 549-6938
www.envirogen.com

March 12, 2001

Mr. Jeffery S. Polenske
Milwaukee City Engineering
Room 612, Frank P. Ziedler Municipal Bldg.
841 North Broadway Street
Milwaukee, Wisconsin 53202

Re: Case Closure for Union Cemetery
3175 Teutonia Avenue, Milwaukee, Wisconsin

Dear Mr. Polenske:

On behalf of Mr. Jim Erceg, owner of the above listed site, Envirogen Inc. (Envirogen) has been granted "conditional closure" for remedial activities conducted at the site by the Wisconsin Department of Commerce (COMM). As a condition of the closure, we are required to notify the City of Milwaukee that residual contaminated groundwater remains in the right-of-way (sidewalk and road) of N. 20th Street, directly west of the property boundary. The attached Figure 1 shows the site location and Figure 18 shows the extent of groundwater contamination. Table 6 outlines the groundwater sample analytical results. The COMM contact person is Mr. Steve Mueller. A copy of Envirogen's closure report for the site can be obtained from the COMM.

Please call me at 549-6898 if you have any questions.

Sincerely,
ENVIROGEN, INC.

Travis W. Peterson
Environmental Scientist / Project Manger

TWP:ltc

Attachment

cc: Jim Erceg
cc: Mr. Steve Mueller (COMM)

ENVIROGEN

2835 N. Grandview Blvd.
Post Office Box 90
Pewaukee, Wisconsin 53072-0090

Tel: (414) 549-6898
Fax: (414) 549-6938
www.envirogen.com

March 12, 2001

Mr. Robert Harvey
Milwaukee City Clerk
200 E. Wells Street, Room 205
Milwaukee, Wisconsin 53201

Re: Case Closure for Union Cemetery
3175 Teutonia Avenue, Milwaukee, Wisconsin

Dear Mr. Harvey:

On behalf of Mr. Jim Erceg, owner of the above listed site, Envirogen Inc. (Envirogen) has been granted "conditional closure" for remedial activities conducted at the site by the Wisconsin Department of Commerce (COMM). As a condition of the closure, we are required to notify the City of Milwaukee that residual contaminated groundwater remains in the right-of-way (sidewalk and road) of N. 20th Street, directly west of the property boundary. The attached Figure 1 shows the site location and Figure 18 shows the extent of groundwater contamination. Table 6 outlines the groundwater sample analytical results. The COMM contact person is Mr. Steve Mueller. A copy of Envirogen's closure report for the site can be obtained from the COMM.

Please call me at 549-6898 if you have any questions.

Sincerely,
ENVIROGEN, INC.

Travis W. Peterson
Environmental Scientist / Project Manger

TWP:ltc

Attachment

cc: Jim Erceg
cc: Mr. Steve Mueller (COMM)

Document Number	NOTICE OF CONTAMINATION TO PROPERTY

8356102

REGISTER'S OFFICE) SS
Milwaukee County, WI)
RECORDED AT 9:15 AM
10-02-2002
IGNATIAS J. NIEBCZYK
REGISTER OF DEEDS
AMOUNT 25.00

REEL 5425 IMAGE 1153

Legal Description of the Property: In re:

(as it appears on the most recent deed)

UNION CEMETERY

PLAT MAP 284-25 NEIGHBORHOOD 6240
LANDS IN SE 1/4 SEC 7-7-22 & NE 1/4 18-7-22
BETW W.H ROADS SUB 4, N TRUTNOV AVE, HERMANS SUBD)

Recording Area

Name and Return Address

PAUL M. MURPHY
ATTORNEY AT LAW
2230 S. 108th ST.
WEST ALLIS, WISCONSIN 53227

284-9999-8
Parcel Identification Number (PIN)

STATE OF WISCONSIN)
) ss
COUNTY OF Milwaukee)

Section 1. UNION CEMETERY is the owner of the above-described property.

Section 2. One or more petroleum discharges have occurred at this property. Contaminants included, but were not limited to, Benzene, Ethylbenzene, Methyl tert butyl ether (MTBE), Naphthalene, Toluene and Xylene in groundwater at concentrations above ch. NR 140, Wis. Admin Code enforcement standards and in soils at concentrations above ch. NR 720, Wis. Admin. Code residual contaminant levels. Remediation of the site entailed groundwater quality monitoring to evaluate and substantiate natural attenuation of residual petroleum contamination.

Section 3. The owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitations and/or restrictions:

Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific prohibitions or requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed or reconstructed on this property unless applicable requirements are met.

Residual petroleum contamination in soil and groundwater remains on this property in the area of the former 500-gallon leaded gasoline underground storage tank (UST), as shown on Figures 9 & 16 and Tables 4 & 6 [include appropriate figure(s)/table(s)]. Residual soil contamination remains on this site near the former gasoline UST location. The depths of residual soil contamination range from about 6 feet to 18 feet below ground surface. Residual groundwater contamination remains near the former gasoline UST location and may extend northwestward to N. 20th Street. It has been shown that these residual soil and groundwater contamination levels are protective of health and the environment, if left in place. However, if the residual

6

contaminated soil is excavated or the groundwater is removed in the future, they may be considered a solid or liquid waste and **must** be disposed in accordance with all applicable laws.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Commerce, or its successor, issue a determination that the restrictions set forth in this covenant are no longer required. That property owner shall provide any and all necessary information to the Department in order for the Department to be able to make a determination. Upon receipt of such a request, the Department shall determine whether or not the restrictions contained herein can be extinguished. Conditions under which a restriction may be extinguished will be determined in accordance with the site specific standards, rules and laws for this property. If the Department determines that the restrictions can be extinguished, an affidavit, with a copy of the Department's written determination, may be recorded to give notice that this restriction, or portions of this restriction are no longer binding. Any restriction placed upon this property shall not be extinguished without the Department's written determination.

IN WITNESS WHEREOF, the owner of the property has executed this document, this 23rd day of January, 2001.

[When appropriate use the following clause]:

By signing this document, [he/she] acknowledges that [he/she] is duly authorized to sign this document on behalf of Union Cemetery.

Signature: William J. Hoffman

Printed Name: William J. Hoffman

Title: Asst. Manager

Subscribed and sworn to before me
this 23 day of January, 2001.

Notary Public, State of Wisconsin
My commission expires MAR 9, 2003

This document was drafted by the Wisconsin Department of Commerce.

REEL 5425 IMAGE 1154