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**MPCA, Metro District  
Annual Monitoring Report Site Remediation**

Southtown Tire Center  
7901 Penn Avenue  
Bloomington, MN 55431 LEAK 7500

*Prepared for*

**Hennepin County**

Project No. CMXX-01-0069  
October 10, 2001

Braun Intertec Corporation





## Leaking Petroleum Storage Tanks

Minnesota Pollution Control Agency

[http://www.pca.state.mn.us/programs/lust\\_p.html](http://www.pca.state.mn.us/programs/lust_p.html)

### Annual Monitoring Report

Fact Sheet 3.26

After the Corrective Action Design (CAD) has been approved, update and submit this worksheet annually. If a remedial system has been installed, submit Fact Sheet 3.31 *CAD System Monitoring Worksheet* along with this worksheet.

Under certain circumstances Minnesota Pollution Control Agency (MPCA) staff may request submittal of the monitoring information on a quarterly schedule. This should be conducted according to Fact Sheet 3.25, *Quarterly Monitoring Report*.

MPCA Site ID: Leak0007500	Date: <b>October 10, 2001</b>
Responsible Party: <b>Hennepin County Transportation Department (volunteer)</b>	R.P. Phone No.: <b>(612) 348-4046</b>
Consultant: <b>Pat Terhaar, Braun Intertec Corporation</b>	Consultant Phone No.: <b>(952) 431-4493</b>
Facility Name: <b>Southtown Tire Center</b>	City: <b>Bloomington</b>
Facility Address: <b>7901 Penn Avenue</b>	Zip Code: <b>55431</b>
County: <b>Hennepin</b>	

Site location: The required coordinate scheme for reporting site location is Universal Transverse Mercator (UTM), Extended Zone 15, 1983 North American Datum (NAD83). Refer to [http://www.ot.state.mn.us/ot\\_files/handbook/standard/std17-1.html](http://www.ot.state.mn.us/ot_files/handbook/standard/std17-1.html) for Minnesota spatial data standards, or <http://mac.usgs.gov/mac/isb/pubs/factsheets/fs15799.html> for more information about UTM Coordinates.

East

North

X coordinate (Easting) 75,600 meters  
Y coordinate (Northing) 4,967,121 meters

What feature does the coordinate represent? (i.e., center of parcel, approximate center of source area, etc. Please describe)

*Center of site*



What method was used to determine the coordinate? (i.e., GPS receiver, map interpolation, address matching, etc. Please describe)

### *Map interpolation*

If a paper map, digital map, aerial photo or digital orthophotoquad was used to find the site location, please provide the scale of the map or photo (i.e., 1:24,000, etc.)

### *Bloomington Quadrangle 1:24,000*

## SECTION 1. GROUND WATER MONITORING

Discuss the groundwater monitoring results, including water level measurements and analytical results, performed since the remedial investigation (RI) report or the last progress report submitted. Indicate whether samples were purged or unpurged (see Fact Sheet 3.23). If purged, indicate purging method.

*Monitoring wells MW-1, MW-2, MW-3, and MW-8 were sampled on June 8 and June 12, 2001. Water levels were measured in these wells plus MW-7 and MW-10 on July 12, 2001. MW-10 was sampled on July 19, 2001. MW-11, a deep at-grade well that had been damaged, was sealed on June 15, 2001 as approved by the MPCAs. A copy of the well sealing record is attached. The top-of-riser elevations for the remaining wells were surveyed by a licensed surveyor on June 22, 2001. Survey results are attached, and the new elevations are provided in Table 1.*

*Analytical results are shown in Table 3, and graphs are provided in Appendix A. Laboratory reports are provided in Appendix B. Contaminant concentrations are consistent with previous sampling events and generally show stable or decreasing trends.*

*Water levels are also consistent with previous data. Using the new survey data, the groundwater flow direction for the current sampling event is toward the southeast (Figure 2), consistent with initial observations prior to the installation of MW-10. In addition, when using the new survey data, all of the historical data since installation of MW-10 show a consistent southeasterly flow direction for the water table wells. Figures 3 and 4 depict the water table surface and groundwater flow direction for the 1999 and 1996 water level data, respectively. Therefore, the apparent change in flow direction to the northwest, as discussed in previous reports, was a result of erroneous survey data.*



## SECTION 2. VAPOR IMPACT MONITORING

If vapor impacts were detected during previous assessments, discuss the results of follow-up vapor monitoring. Include in your discussion the sampling instrument and sampling method.

*Although vapor impacts were not detected during previous assessments, the MPCA requested a vapor risk assessment update in light of the recent redevelopment activities surrounding the site. Braun Intertec obtained and reviewed current maps of buried utilities from the City of Bloomington. No significant changes were apparent. A vapor risk survey was carried out at the locations shown in Figure 5. As indicated on this figure, no organic vapors were detected with a photoionization detector at any of the sampling locations. No basements are present near the site.*

NOTE: If vapor concentrations exceed 10 percent of the lower explosive limit, exit the building and contact the local fire department immediately. Then contact the Minnesota Duty Officer (24 hours) at 651/649-5451 (metro and outside Minnesota) or 1-800/422-0798 (Greater Minnesota). TTY users call 651/297-5353 (V/TTY) or 1-800/627-3529 (V/TTY).  
**Vapor mitigation is required.**

## SECTION 3. RECOMMENDATIONS

Discuss your recommendations. Your recommendation should be based on Fact Sheet #3.1, *Leaking Underground Storage Tank Program*.

*We recommend site closure based on the following: current and historical results for downgradient well MW-10 (which has exhibited only very minor impacts in the past, and none recently), the historical absence of contaminants in downgradient deep well MW-11, the absence of free product, no apparent vapor risks, the evidence of biodegradation, the absence of groundwater receptors, and the fact that contaminant concentrations in the other monitoring wells are generally stable or decreasing.*

If additional corrective action is recommended, please provide your justification.

If significant reduction of risk has been achieved at the site, recommendations and rationale for the reduction or termination of corrective actions may be presented.

If additional monitoring is recommended, indicate the proposed monitoring schedule and frequency.

If closure is recommended, summarize significant site investigative events and describe how site-specific risk issues have been adequately addressed or minimized to acceptable low-risk levels.





**SECTION 4: CONSULTANT (OR OTHER) INFORMATION**

*By signing this document, I/we acknowledge that we are submitting this document on behalf of and as agents of the responsible person or volunteer for this leaksite. I/we acknowledge that if information in this document is inaccurate or incomplete, it will delay the completion of remediation and may harm the environment and may result in reduction of reimbursement awards. In addition, I/we acknowledge on behalf of the responsible person or volunteer for this leaksite that if this document is determined to contain a false material statement, representation, or certification, or if it omits material information, the responsible person or volunteer may be found to be in violation of Minn. Stat. § 115.075 (1994) or Minn. Rules 7000.0300 (Duty of Candor), and that the responsible person or volunteer may be liable for civil penalties.*

**MPCA staff are instructed to reject unsigned monitoring reports or if the report form has been altered.**

**Name and Title:**

*Patricia M. Terhaar, PG*  
**Senior Consultant**

**Signature:**

  
\_\_\_\_\_  
\_\_\_\_\_

**Date signed:**

*10/11/01*

**Company and mailing address:**

**Braun Intertec Corporation**  
**Suite 128-131**  
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Upon request, this document can be made available in other formats, including Braille, large print and audio tape. TTY users call 651/282-5332 or Greater Minnesota 1-800/657-3864 (voice/TTY).

Printed on recycled paper containing at least 10 percent fibers from paper recycled by consumers.



**Attach Tables:**

- Table 1 - Monitoring Well Completion Information
- Table 2 - Summary of Water Levels Measurements
- Table 3 - Analytical Results of Water Samples
- Table 4 - Other Contaminants Detected in Water Samples (Petroleum or Non-petroleum Derived)
- Table 5 - Results of Natural Attenuation
- Table 6 - Results of Vapor Monitoring (*Vapor monitoring results are provided on Figure 5*)

**Table 1**  
**Monitoring Well Completion Information**

Well Number	Unique Well Number	Date Installed	Surface Elevation	Top of Riser Elevation	Bottom of Well (Elevation)	Screen Interval (Elev. - Elev.)
MW-1	541032	07/11/94	830.66	830.67	806.7	806.7-816.7
MW-2	541033	10/20/94	830.73	830.64	780.7	780.7-785.7
MW-3	541034	10/20/94	830.59	830.33	805.6	805.6-815.6
MW-7	557534	01/06/95	830.86	830.54	754.9	754.9-759.9
MW-8	557631	03/21/95	830.48	830.48	732.5	732.5-737.5
MW-10	574415	08/09/96	832.19	830.76	804.2	804.2-814.2

*Notes: Elevations in feet amsl. Mn/DOT Bench Mark 2785AM 1970 at southeast corner of bridge deck, Penn Ave. at 494. Elevation 834.51.*

**Table 2**  
**Water Level Measurements**

Well Number	Date	Depth of Water from Top of Casing	Product Thickness	Depth of Water Below Grade	Relative Groundwater Elevation
MW-1	10/23/95	17.61	NE	17.6	813.06
MW-2	10/23/95	19.77	NE	19.8	810.88
MW-3	10/23/95	17.30	NE	17.4	813.03
MW-5	10/23/95	18.55	NE	18.5	811.13
MW-7	10/23/95	19.75	NE	19.8	810.79
MW-8	10/23/95	20.30	NE	20.3	810.18
MW-9	10/23/95	21.34	NE	21.4	810.82
MW-1	8/13/96	17.77	NE	17.8	812.90
MW-2	8/13/96	20.22	NE	20.2	810.43
MW-3	8/13/96	17.47	NE	17.6	812.86
MW-7	8/13/96	20.21	NE	20.2	810.33
MW-8	8/13/96	20.49	NE	20.5	809.99
MW-10	8/13/96	23.46	NE	21.5	810.30
MW-11	8/13/96	21.27	NE	21.4	813.46
MW-2	1/13/97	21.11	NE	21.1	809.54
MW-3	1/13/97	18.25	NE	18.4	812.08
MW-7	1/13/97	21.01	NE	21.0	809.53



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Well Number	Date	Depth of Water from Top of Casing	Product Thickness	Depth of Water Below Grade	Relative Groundwater Elevation
MW-8	1/13/97	21.55	NE	21.5	808.93
MW-10	1/13/97	24.32	NE	22.3	809.44
MW-11	1/13/97	22.15	NE	22.3	812.58
MW-1	1/26/98	17.79	NE	17.8	812.88
MW-2	1/26/98	19.16	NE	19.2	811.49
MW-3	1/26/98	17.48	NE	17.6	812.85
MW-7	1/26/98	19.05	NE	19.1	811.49
MW-10	1/26/98	22.32	NE	20.3	811.44
MW-11	1/26/98	20.20	NE	20.3	814.53
MW-1	4/30/98	17.86	NE	17.9	812.81
MW-2	4/30/98	18.94	NE	18.9	811.71
MW-3	4/30/98	17.53	NE	17.7	812.80
MW-7	4/30/98	18.83	NE	18.9	811.71
MW-8	4/30/98	19.88	NE	19.9	810.60
MW-10	4/30/98	22.14	NE	20.1	811.62
MW-11	4/30/98	19.97	NE	20.1	814.76
MW-1	4/16/99	17.77	NE	—	812.90
MW-2	4/16/99	19.02	NE	—	811.63
MW-3	4/16/99	17.43	NE	—	812.90
MW-7	4/16/99	18.92	NE	—	811.62
MW-8	4/16/99	19.69	NE	—	810.79
MW-10	4/16/99	22.25	NE	—	811.51
MW-11	4/16/99	20.07	NE	—	814.66
MW-1	4/20/00	17.65	NE	—	813.02
MW-2	4/19/00	19.06	NE	—	811.59
MW-3	4/19/00	17.23	NE	—	813.10
MW-7	4/19/00	19.96	NE	—	810.58
MW-8	4/19/00	19.73	NE	—	810.75
MW-10	4/19/00	22.27	NE	—	811.49
MW-11	4/19/00	—	NE	—	—
MW-1	7/12/01	17.84	NE	17.8	812.83
MW-2	7/12/01	19.27	NE	19.3	811.37
MW-3	7/12/01	17.53	NE	17.7	812.80
MW-7	7/12/01	19.15	NE	19.2	811.39
MW-8	7/12/01	20.14	NE	18.1	810.34
MW-10	7/12/01	22.45	NE	22.5	811.31

Notes: Water levels were measured with an electronic tape measure. The water level in MW-1 was not measured on 1/13/97 because a stalled vehicle blocked access to the well. The water level in MW-8 was not measured on 1/26/98 because the well cover was frozen shut. On 4/19/00, the water level in MW-11 was not measured because the well was damaged.



**Table 3**  
**Analytical Results of Water Samples**

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	GRO
MW-1	7/22/94	3600	11000	3100	14700	5.0	64
	12/14/94	980	5200	1300	5700	NA	23
	8/8/95	2200	12000	2700	11700	260	50
	10/23/95	2700	14000	2300	5400	280	53
	8/14/96	2700	14000	2500	12400	150	51
	1/30/97	2800	14000	3000	12900	<1.0	46
	1/26/98	1400	11000	2000	10400	150	43
	4/30/98	2000	12000	3000	12400	<100	52
	4/16/99	1300	8100	2700	11100	240	46
	4/20/00	920	5800	2100	9200	150	36
6/12/01	1600/1500	8300/7900	2200/2000	9700/9300	<50/<50	37/35	
MW-2	11/16/94	1800	420	61	292	12	4.0
	12/14/94	1900	350	20	87	NA	3.1
	8/8/95	1400	210	10	37	<1.0	2.1
	10/23/95	1200	270	24	73	16	2.4
	8/14/96	810	360	46	97	14	2.5
	1/13/97	1000	660	45	165	<1.0	2.1
	1/26/98	280	61	14	51	4.1	0.52
	5/1/98	350	77	10	36	<1.0	0.71
	4/16/99	120	35	10	32	4.5	0.41
	4/19/00	64	16	3.8	10.9	1.6	0.19
6/8/01	120	9.1	7.8	20.1	<1.0	0.23	
MW-3	11/16/94	9100	4100	1900	6900	80	40
	12/14/94	10000	7400	1900	8700	NA	40
	8/8/95	7400	3600	1600	5800	180	32
	10/23/95	7500	4500	1600	6000	200	34
	8/13/96	4800	3500	1200	6300	83	29
	1/13/97	4900	5700	910	4000	74	19
	1/26/98	5700	6000	1600	7100	83	30
	4/30/98	10000	10000	2500	11400	<100	52
	4/16/99	9500	9900	2500	11900	180	52
	4/19/00	9000	6200	2400	11900	70	46
6/12/01	5100	5200	2000	8900	<20	34	
MW-4	11/16/94	<1.0	<1.0	<1.0	<2.0	<1.0	<0.1
	12/14/97	<1.0	<1.0	<1.0	<2.0	NA	<0.1
	8/7/95	<1.0	<1.0	<1.0	<2.0	<1.0	<0.1
MW-5	11/16/94	<1.0	<1.0	<1.0	<2.0	<1.0	<0.1
	12/14/94	<1.0	<1.0	<1.0	<2.0	NA	0.22
	8/7/95	<1.0	<1.0	<1.0	<2.0	<1.0	<0.1
	10/23/95	<1.0	<1.0	<1.0	<2.0	1.6	0.28

Notes: All samples analyzed in fixed-base laboratory. BETX/MTBE in ppb and GRO in ppm  
Shaded cells indicate the Health Risk Limits (HRLs) were exceeded.





**Table 3 (continued)**

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	GRO
MW-6	12/14/94	<1.0	<1.0	<1.0	<2.0	NA	<0.1
	8/7/95	<1.0	<1.0	<1.0	<2.0	<1.0	<0.1
MW-7	1/10/95	1.4	3.6	1.2	4.4	<1.0	<0.1
	8/7/95	<1.0	1.4	<1.0	3.6	<1.0	<0.1
	10/23/95	<1.0	<1.0	<1.0	<2.0	<1.0	<0.1
	8/13/96	<1.0	<1.0	<1.0	<2.0	<1.0	<0.1
	1/13/97	<1.0	2.8	<1.0	1.9	<1.0	<0.1
	1/26/98	<1.0	3.7	1.3	6.9	<1.0	<0.1
	4/30/98	<1.0	<1.0	<1.0	<2.0	<1.0	<0.1
	4/16/99	<1.0	<1.0	<1.0	1.5	<1.0	<0.1
MW-8	3/27/95	7.9	2.9	1.3	4.9	<1.0	<0.1
	8/7/95	2.7	1.0	<1.0	1.5	<1.0	<0.1
	10/23/95	2.2	<1.0	<1.0	<2.0	<1.0	<0.1
	8/14/96	23	11	2.7	7.8	<1.0	<0.1
	1/30/97	9.7	3.0	<1.0	1.9	<1.0	<0.1
	5/1/98	74	69	5.2	21.5	<1.0	0.24
	4/16/99	79	83	13	61	3.4	0.35
	4/19/00	8.6	5.1	1.5	6.6	<1.0	<0.1
6/12/01	6.0	2.0	1.5	4.6	<1.0	<0.1	
MW-9	3/27/95	<1.0	<1.0	<1.0	<2.0	<1.0	<0.1
	8/7/95	<1.0	<1.0	<1.0	<2.0	<1.0	<0.1
	10/23/95	<1.0	<1.0	<1.0	<2.0	<1.0	<0.1
MW-10	8/13/96	4.5	1.7	1.1	1.2	<1.0	<0.1
	1/13/97	3.4	8.4	1.5	5.4	<1.0	<0.1
	1/26/98	<1.0	<1.0	<1.0	<2.0	<1.0	<0.1
	4/30/98	<1.0	<1.0	<1.0	<2.0	<1.0	<0.1
	4/16/99	<1.0	<1.0	<1.0	<2.0	<1.0	<0.1
	7/19/01	<1.0	<1.0	<1.0	<1.0	<1.0	<0.1
MW-11	8/13/96	<1.0	1.4	<1.0	<2.0	<1.0	<0.1
	1/13/97	4.1	9.9	1.5	5.8	<1.0	<0.1
	1/26/98	1.3	5.7	<1.0	4.6	<1.0	<0.1
	4/30/98	1.3	1.3	<1.0	<2.0	<1.0	<0.1
	4/16/99	<1.0	<1.0	<1.0	1.5	<1.0	<0.1
HRL		10	1000	700	10000		

Notes: All samples analyzed in fixed-base laboratory. BETX/MTBE in ppb and GRO in ppm. Shaded cells indicate HRLs exceeded.

Report results in ug/L. Use less than symbols to show detection limit. Indicate mobile or fixed based in the lab-type column. Notes



**Table 4**  
**Other Contaminants Detected in Water Samples**  
**(Petroleum or Non-petroleum Derived)**

Well Number	Date Sampled	1,2 DCA	EDB		
MW-1					
MW-2					
MW-3					
Field Blank					
Trip Blank					
Lab Blank					
HRL (ug/L)		4	0.004		

*Report results in ug/L. Indicate other contaminants (either petroleum or non-petroleum-derived) detected in water samples collected from the borings, temporary wells or push probes.*

*Notes:*



**Table 5**  
**Natural Attenuation Parameters**

Well #	Date	Dissolved Oxygen mg/L	Sulfate mg/L	Nitrate mg/L	Ferrous (mg/L)
MW-1	10/23/95	0.87	--	--	--
	08/13/96	1.48	16	<0.02	>10
	01/26/98	NA	<50	NR	>10
	04/30/98	1.97	<50	--	>10
	04/16/99	1.96	<50	--	>10
	04/20/00	3.4	<50	NR	>10
MW-2	10/23/95	0.87	--	--	--
	08/13/96	1.02	24	<0.02	>10
	01/13/97	1.10	<50	NR	>10
	01/26/98	NA	<50	NR	>10
	05/01/98	1.15	<50	--	>10
	04/16/99	1.24	<50	--	>10
MW-3	04/19/00	3.87	<50	NR	>10
	10/23/95	3.18	--	--	--
	08/13/96	3.43	19	<0.02	>10
	01/13/97	1.86	<50	NR	>10
	01/26/98	NA	70	2	>10
	04/30/98	4.59	<50	--	>10
MW-4	04/16/99	5.46	<50	--	>10
	04/19/00	4.04	<50	NR	>10
	08/07/95	1.7	--	--	--
	08/07/95	1.8	--	--	--
	10/23/95	8.34	--	--	--
	08/07/95	1.7	--	--	--
MW-5	08/07/95	1.4	--	--	--
	10/23/95	1.66	--	--	--
	08/13/96	1.06	70	<0.02	1.8
	01/13/97	1.4	80	NR	3.6
	01/26/98	NA	65	NR	0.8
	04/30/98	1.16	70	--	1.4
MW-6	04/16/99	1.65	70	NR	1.0
	08/07/95	2.3	--	--	--
	10/23/95	1.15	--	--	--
	08/13/96	NA	<10	<0.02	--
	05/01/98	4.41	<50	--	1.3
	04/16/99	3.50	<50	--	1.0
MW-7	04/19/00	4.80	<50	NR	20.0
	08/07/95	1.4	--	--	--
	10/23/95	9.12	--	--	--
	08/13/96	1.68	42	<0.02	>10
	01/13/97	1.92	70	NR	3.5
	01/26/98	NA	65	NR	7.2
MW-8	04/30/98	1.21	80	--	6.68
	04/16/99	1.86	100	--	4.8
	08/13/96	1.06	37	<0.02	1.6
	01/13/97	2.21	100	NR	1.0
	01/26/98	NA	<50	NR	1.5
	04/30/98	1.31	90	--	1.2
MW-9	04/16/99	1.06	100	--	1.4
	08/07/95	1.7	--	--	--
	10/23/95	8.34	--	--	--
	08/13/96	1.06	37	<0.02	1.6
	01/13/97	2.21	100	NR	1.0
	01/26/98	NA	<50	NR	1.5
MW-10	04/30/98	1.31	90	--	1.2
	04/16/99	1.06	100	--	1.4
	08/07/95	1.7	--	--	--
	10/23/95	8.34	--	--	--
	08/13/96	1.06	37	<0.02	1.6
	01/13/97	2.21	100	NR	1.0
MW-11	01/26/98	NA	<50	NR	1.5
	04/30/98	1.31	90	--	1.2
	04/16/99	1.06	100	--	1.4
	08/07/95	1.7	--	--	--
	10/23/95	8.34	--	--	--
	08/13/96	1.06	37	<0.02	1.6

-- = Not Analyzed

NR = No reaction measured by field nitrate instrument









**Attach Figures:**

Figures - (all maps are to include a north arrow, scale and legend) *Approximate scales are not acceptable.*

- Site location map. Adapt this map from a U.S. Geological Survey 7.5-minute quadrangle and identify the name of the 7.5-minute quadrangle.
- Site map showing the locations of all ground water and vapor monitoring points.
- Updated ground water contour maps, using water level elevations from all rounds of water level measurements since the last report. Show all wells at the site, and differentiate wells constructed in different aquifers. Label ground water contours and elevations at each data point used for contouring.
- Hydrograph for all monitoring and recovery wells.
- Graph(s) showing contaminant concentrations over time for all monitoring and recovery wells.

**Attach Appendices:**

The appendix section of the report contains sufficient information to document all activities completed since the last report. All reproduced data must be legible.

- Copies of most recent laboratory reports for ground water analyses, including a copy of the Chain-of-Custody and the MDH laboratory certification number.
- Sample collection information, including procedure, equipment, and decontamination.
- Field or sampling data sheets.

**Web pages and phone numbers**

MPCA staff	<a href="http://data.pca.state.mn.us/pca/emplsearch.html">http://data.pca.state.mn.us/pca/emplsearch.html</a>
MPCA toll free	<b>1-800-657-3864</b>
LUST web page	<a href="http://www.pca.state.mn.us/programs/lust_p.html">http://www.pca.state.mn.us/programs/lust_p.html</a>
MPCA Infor. Request	<a href="http://www.pca.state.mn.us/about/inforequest.html">http://www.pca.state.mn.us/about/inforequest.html</a>
PetroFund Web Page	<a href="http://www.commerce.state.mn.us/mainpf.htm">http://www.commerce.state.mn.us/mainpf.htm</a>
PetroFund Phone	<b>651-297-1119, or 1-800-638-0418</b>
State Duty Officer	<b>651-649-5451 or 1-800-422-0798</b>



**Attach Figures:**

Figures - (all maps are to include a north arrow, scale and legend) *Approximate scales are not acceptable.*

- Site location map. Adapt this map from a U.S. Geological Survey 7.5-minute quadrangle and identify the name of the 7.5-minute quadrangle.
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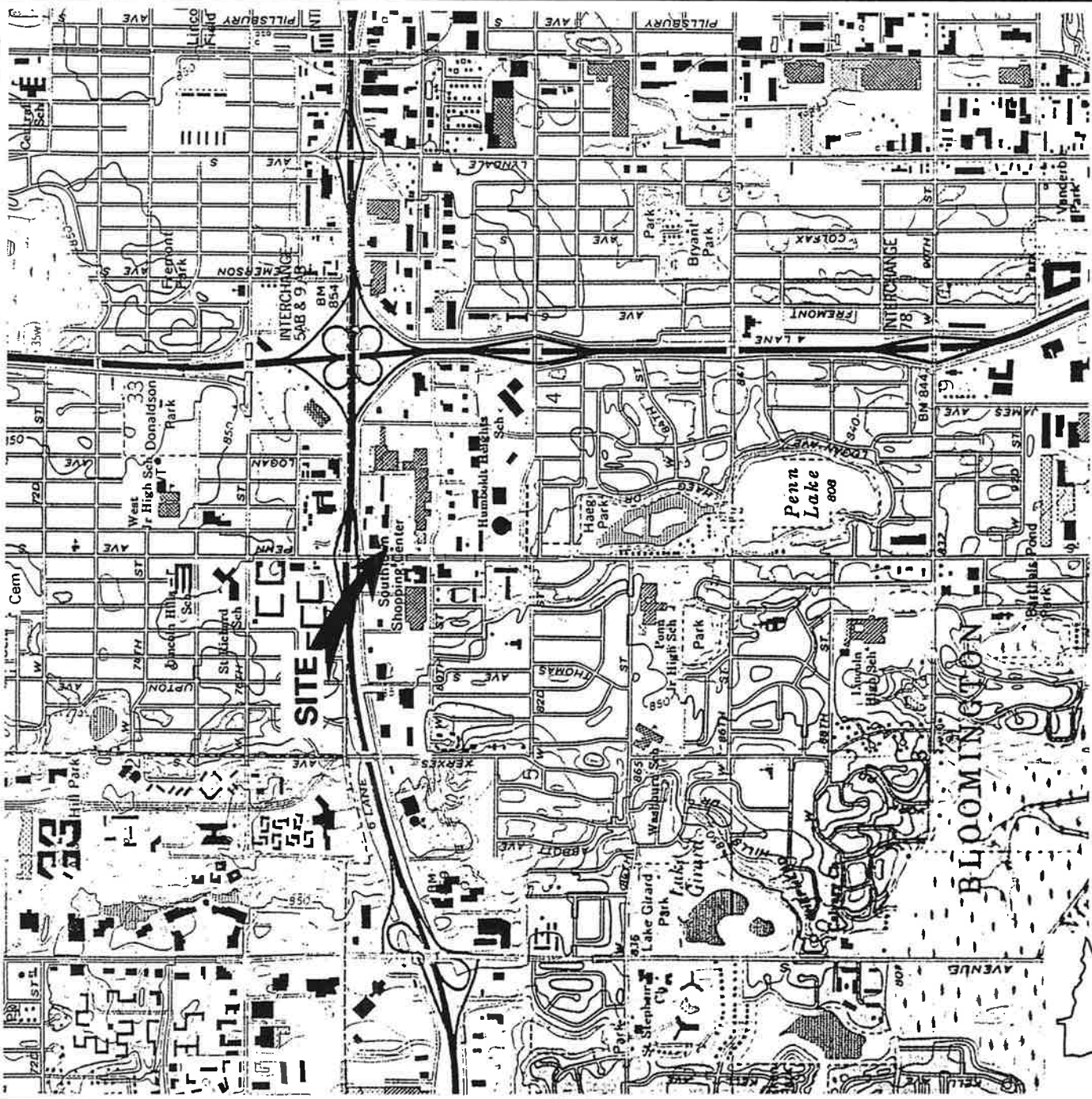
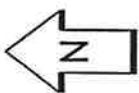
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MPCA Infor. Request	<a href="http://www.pca.state.mn.us/about/inforequest.html">http://www.pca.state.mn.us/about/inforequest.html</a>
PetroFund Web Page	<a href="http://www.commerce.state.mn.us/mainpf.htm">http://www.commerce.state.mn.us/mainpf.htm</a>
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BLOOMINGTON QUADRANGLE  
MINNESOTA  
7.5 MINUTE SERIES (TOPOGRAPHIC)



SCALE 1:24000



QUADRANGLE LOCATION

**BRAUN**  
**INTERTEC**

SITE LOCATION MAP  
ANNUAL MONITORING REPORT  
SOUTHTOWN TIRE CENTER  
BLOOMINGTON, MINNESOTA

INT	REVISION	SHEET
DRAWN BY: JAG	9-9-96	
APP'D BY: EJJ	9-9-96	OF
JOB No. CMXX-94-0427		
DWG. No. MX40427		FIGURE NO.
SCALE 1:24,000		1

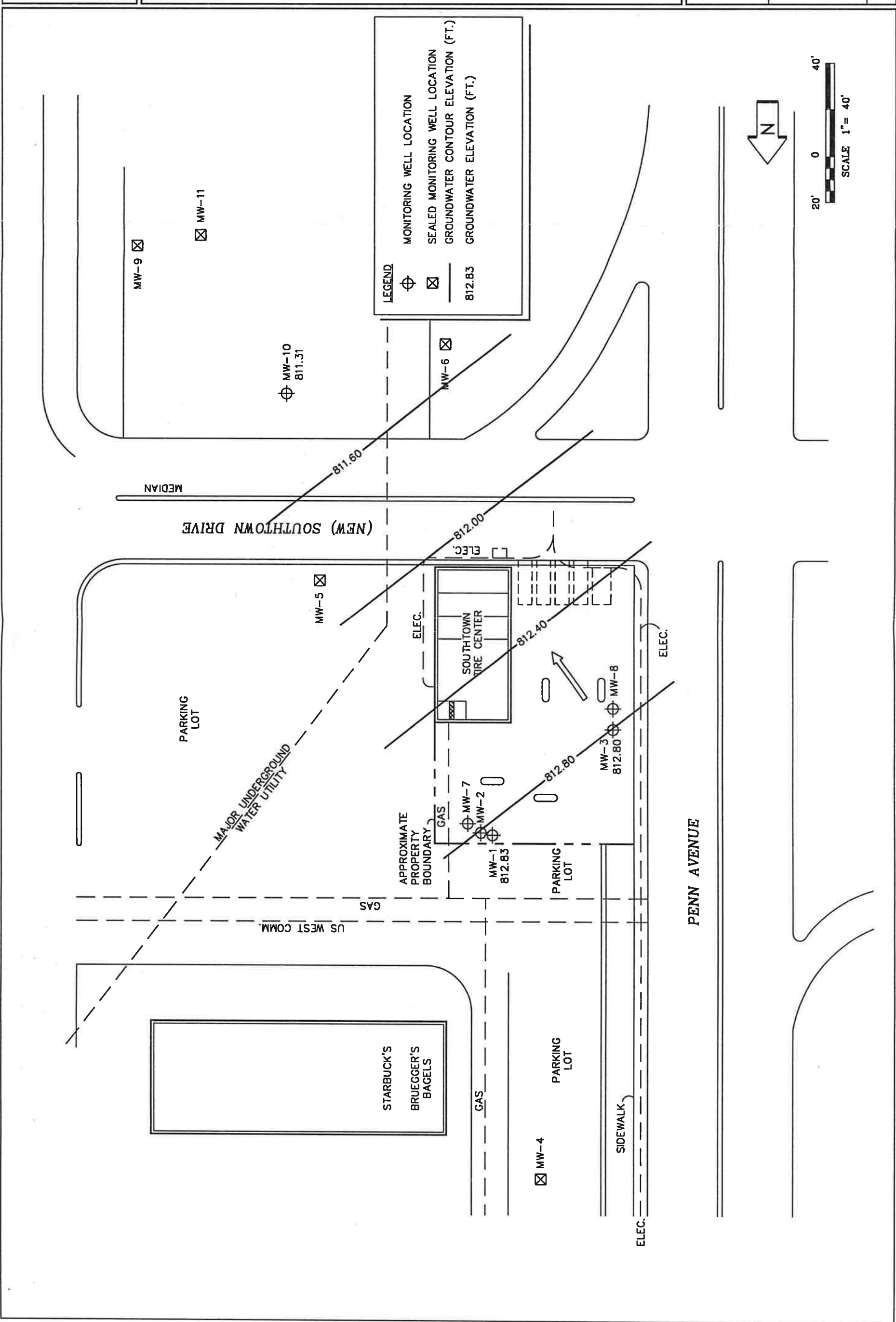


DATE	INT
11-12-94	JAG
7-23-01	AMB
CMXX-01-0069	JOB No.
DWG. No. MX40427E	SHEET OF
SCALE 1" = 40'	

FIGURE NO. 2

WATER TABLE CONTOUR MAP (7-12-01)  
 VAPOR RISK ASSESSMENT SURVEY  
 SOUTHTOWN TIRE CENTER  
 BLOOMINGTON, MINNESOTA

**BRAUN**  
**INTERTEC**



INT	DATE	11-12-94	DRAWN BY: JAG
	APP'D BY: AMB	7-23-01	JOB No. CMXX-01-0069
			DWG. No. MX40427E
			SHEET OF
			SCALE 1" = 40'

WATER TABLE CONTOUR MAP (4-16-99)  
 VAPOR RISK ASSESSMENT SURVEY  
 SOUTHTOWN TIRE CENTER  
 BLOOMINGTON, MINNESOTA

**BRAUN**  
 INTL

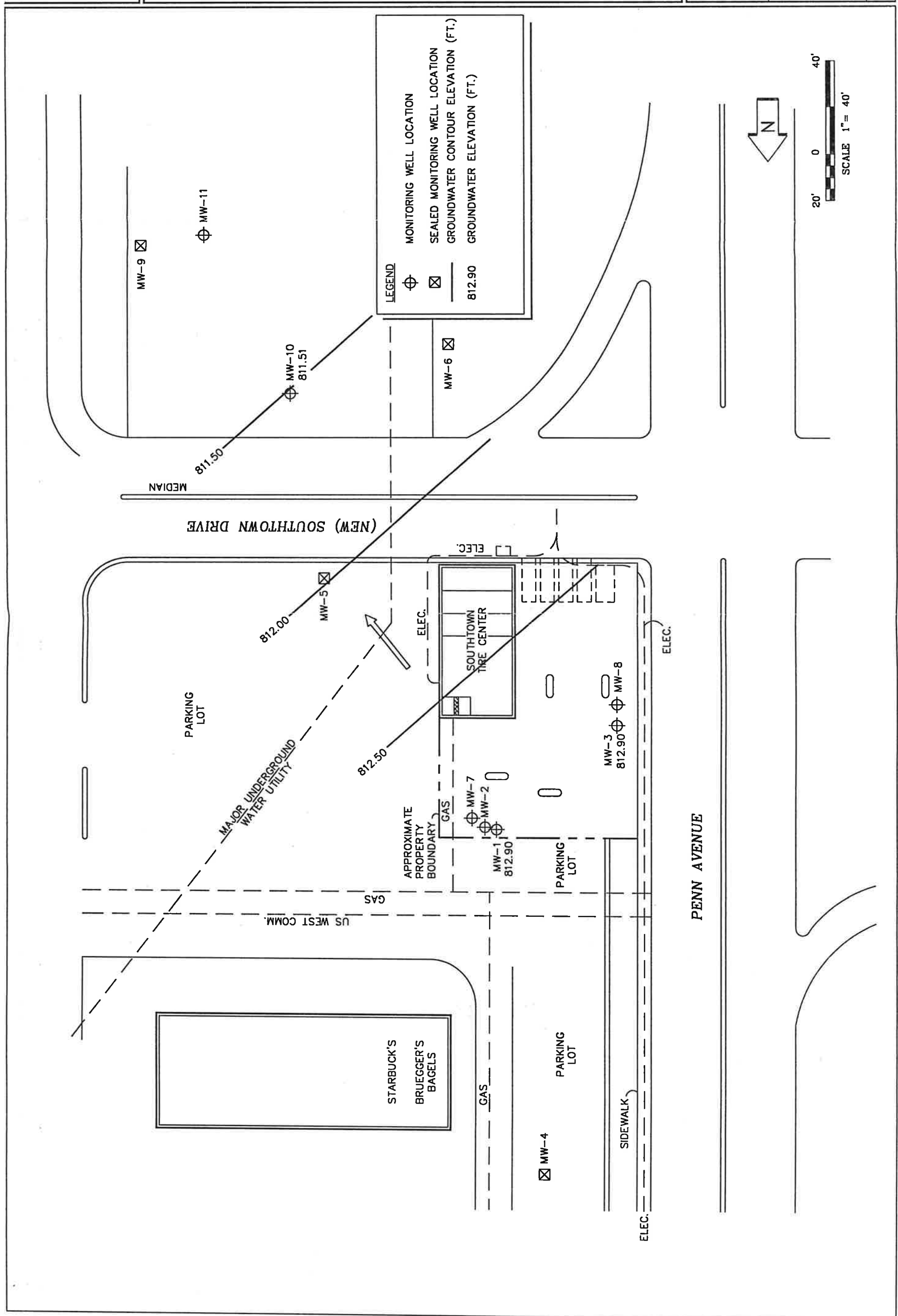




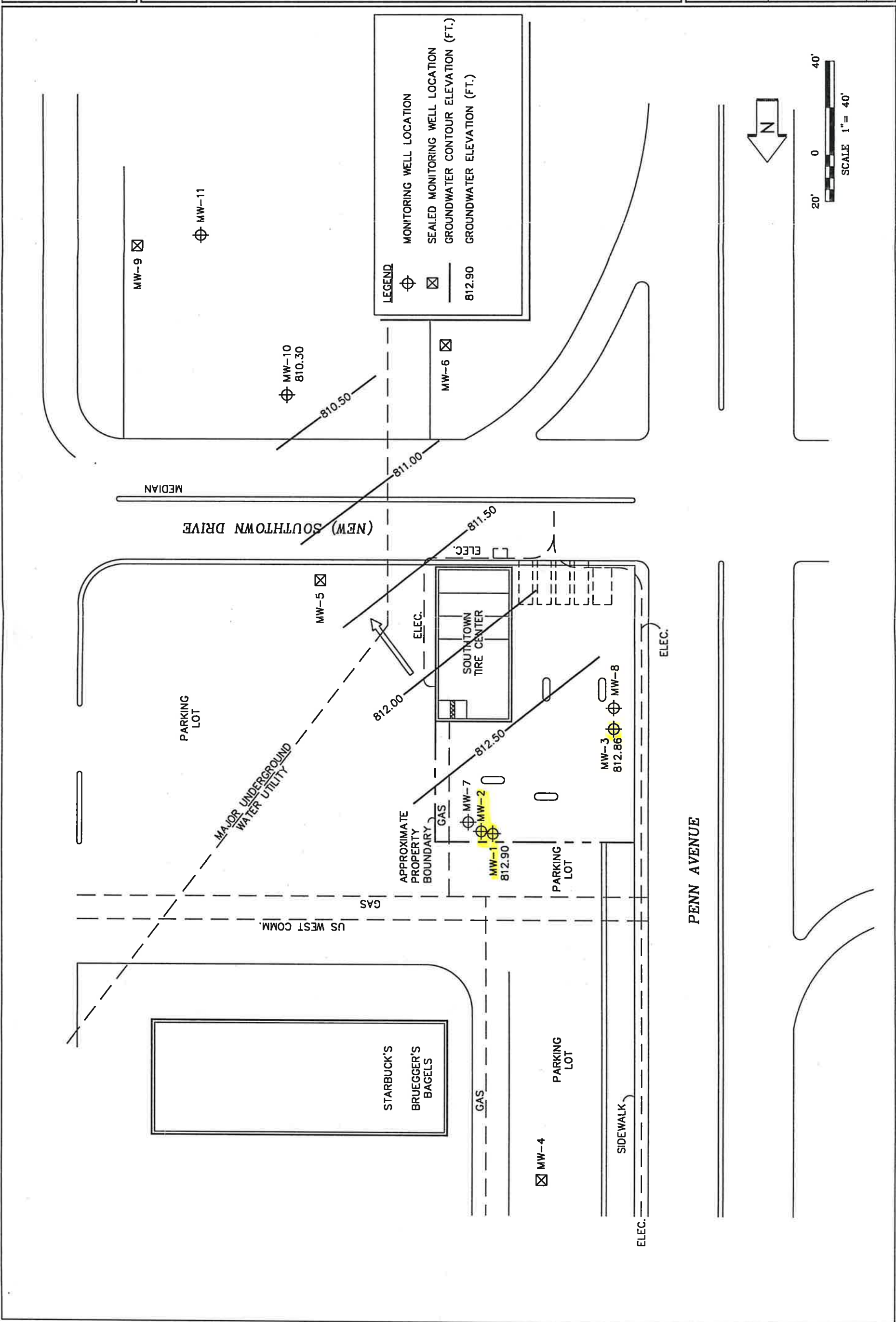


FIGURE NO. 4

INT	DATE	11-12-94	JAG	11-12-94
DRAWN BY:	AMB	7-23-01	CMXX-01-0069	JOB No.
DWG. No.	MX40427E	SHEET OF		SCALE 1" = 40'

WATER TABLE CONTOUR MAP (8-13-96)  
 VAPOR RISK ASSESSMENT SURVEY  
 SOUTHTOWN TIRE CENTER  
 BLOOMINGTON, MINNESOTA

**BRAUN**  
**INTERTEC**





INT	DATE	11-12-94	DRAWN BY: JAG
	APP'D BY: AMB	7-23-01	JOB No. CMXX-01-0069
			DWG. No. MX40427E
			SCALE 1" = 40'

SITE MAP  
 VAPOR RISK ASSESSMENT SURVEY  
 SOUTHTOWN TIRE CENTER  
 BLOOMINGTON, MINNESOTA

**BRAUN**  
**INTERTEC**

