

**REPORT
QUARTERLY GROUNDWATER SAMPLING
3rd Quarter 2006
MARYLAND SQUARE SHOPPING CENTER
3661 SOUTH MARYLAND PARKWAY
LAS VEGAS, NEVADA
FOR AL PHILLIPS THE CLEANER**

**URS Corporation
Job No. 26698724.00005
November 14, 2006**

November 13, 2006

National Drycleaners, Inc.
4510 W. 63rd Terrace
Prairie Village, KS 66208
Attn: Mr. Randy Jackson

Al Phillips the Cleaner
3250 Ali Baba Lane, Suites C-F
Las Vegas, NV 89118
Attn: Mr. Stephen Mailloux

Re: **Quarterly Groundwater Sampling, 3rd Quarter 2006**
Maryland Square Shopping Center
3661 South Maryland Parkway, Las Vegas, Nevada
Facility ID: H-000086

Gentlemen:

URS Corporation is pleased to submit the 3rd Quarter 2006 quarterly groundwater sampling event report for the Maryland Square Shopping Center. Groundwater from 25 monitoring wells was sampled during this quarterly sampling event and samples were submitted to the laboratory to test for volatile organic compounds. Analysis of total organic carbon, dissolved iron, and manganese, chloride, nitrate, sulfate, and alkalinity was also performed for selected groundwater samples.

The Nevada Division of Environmental Protection (NDEP) requires the following statements to be provided by the responsible Environmental Manager for this project (per NRS 459.500):

"I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein."

"I, Scott Ball, hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state, and local statutes, regulations and ordinances."

Sincerely,
URS Corporation

Scott Ball, CEM #1316
Expires Oct 15, 2007
Project Manager

cc: Shannon Harbour, NDEP

REPORT
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MARYLAND SQUARE SHOPPING CENTER
3661 SOUTH MARYLAND PARKWAY
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Prepared for:

Al Phillips the Cleaner
3250 W. Ali Baba Lane, Suites C-F
Las Vegas, Nevada 89118

and

National Drycleaners, Inc.
4510 W. 63rd Terrace
Prairie Village, KS 66208

Prepared by:

URS Corporation
811 Grier Drive
Las Vegas, Nevada 89119

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1.0 INTRODUCTION AND BACKGROUND

This report presents the results of the 3rd Quarter 2006 groundwater sampling event at the former Al Phillips the Cleaner (Al Phillips), Maryland Square Shopping Center located at 3661 South Maryland Parkway in Las Vegas, Nevada (Figure 1). This report includes the results of groundwater sampling of 25 monitoring wells during October 2006. URS Corporation (URS), on behalf of Al Phillips, conducted the work. As required by State law, this project is being performed under the supervision of a certified Environmental Manager.

Al Phillips took over control of assessment activities at the site from the Herman Kishner Trust in Spring 2004. Prior to URS site investigations, Converse Consultants (Converse) performed several subsurface assessments and groundwater sampling at the former Al Phillips facility from August 2000 through March 2004. Converse's findings indicate that tetrachloroethylene (PCE) was detected in soil beneath the former facility and in groundwater adjacent to, and downgradient from, the facility. URS reviewed eleven Converse reports (see References) and other documents obtained from Converse and the Nevada Department of Environmental Protection (NDEP). URS then evaluated the data to assess whether or not the PCE source area for the groundwater plume, the lateral and vertical extent of the groundwater plume, the geology of the site, and the nature of PCE concentrations in the groundwater plume, were characterized. Based upon Converse's reports, concentrations of PCE above regulatory levels are present in soil beneath the former facility and in groundwater. Al Phillips and URS met with NDEP on April 29, 2004 to discuss the transfer of site responsibility to Al Phillips from the Herman Kishner Trust. Following this meeting, a work plan for additional characterization was prepared, with a final revised plan issued September 10, 2004 as noted above.

In addition to the data provided by Converse, URS obtained findings from SECOR International Incorporated (SECOR, 2004) regarding the presence of a hydrocarbon plume in downgradient monitoring well MW-11. This monitoring well is located on the Boulevard Mall Property, east of the former Al Phillips site. This well was sampled on February 12, 2004 by representatives from both SECOR and Converse. Analysis of the samples determined that a phase-separated liquid, identified as a weathered gasoline, was present in the groundwater from the well. SECOR has undertaken remedial action at this well to remove hydrocarbon-contaminated water.

In April 2005, URS drilled seven boreholes in and around the site of the former Al Phillips the Cleaner facility. URS drilled three boreholes (B-6, B-7, and B-8) around the area where the dry cleaning equipment was formerly located. The other five boreholes (B-9 through B-12) were drilled in areas surrounding the location. Soil samples were taken at five-foot intervals from each borehole, except for B-11 and B-12. Based on analytical results from the soil samples collected during the

April 2005 drilling and sampling event, only three soil samples (B-8-5', B-10-10', and B-10-15') exceeded the maximum soil primary remediation goal (PRG) for PCE of 3,400 micrograms per kilogram ($\mu\text{g}/\text{kg}$) for soil located on an industrial parcel. The highest concentration detected was 120,000 $\mu\text{g}/\text{kg}$ in borehole B-10-10'.

In addition to the boreholes, six new groundwater monitoring wells were installed by URS in March 2005. These wells are MW-17, MW-18, MW-22, MW-23, MW-24, and MW-25. Well MW-17 is located in the parking area east of the building formerly occupied by Al Phillips. Monitoring wells MW-18, MW-22, MW-23, MW-24, and MW-25 were installed in the residential area downgradient (east) of the Boulevard Mall and Al Phillips. Two additional groundwater monitoring wells were installed by URS in March 2006. These wells are MW-26 and MW-27. Well MW-26 is located downgradient (east) of well MW-25 on Seneca Lane. Well MW-27 is located downgradient (east) of MW-26 on Ottawa Circle.

2.0 GROUNDWATER SAMPLING PROCEDURES

Groundwater samples from 25 existing monitoring wells (MW-1 to MW-3, MW-5 to MW-10, and MW-12 to MW-27) were collected during this sampling event on October 23 through 27, 2006. Shallow monitoring well MW-4 was unable to be sampled this event due to it being clogged with debris. An electronic water level meter, accurate to the nearest ± 0.01 feet, was used to measure depth to water in each well. Total well depths were also measured by lowering the weighted probe to the bottom of the well and recording the depth to the nearest 0.1 foot.

Monitoring wells were then purged prior to sampling. A minimum of three casing volumes of groundwater was purged using a submersible pump and/or a dedicated bailer. When used, the pump was decontaminated before use in each well. Casing volumes were calculated based on total well depth, standing water level, and casing diameter. Water quality parameters were monitored during well purging to evaluate when stable values had been attained. Temperature, pH, and specific conductance (SC), dissolved oxygen (DO), turbidity, and oxidation reduction potential (ORP) were monitored during well purging. The depth to water, water quality measurements, and purge volumes were entered in the purge log.

Purge water and decontamination water was placed in DOT-approved 55-gallon drums. The drums were labeled and stored at the former Al Phillips facility, prior to disposal in accordance with regulations.

Monitoring wells were sampled using a clean disposable bailer. Groundwater samples were collected in five different types of containers based on the selected analysis. Water samples to be analyzed for VOCs were collected in three 40-milliliter clear glass VOA vials pre-preserved with hydrochloric acid. Three VOA vials were collected in case one was to break during transport. The VOA vials were filled so that there was no headspace. Water samples to be analyzed for total organic carbon (TOC) were collected in 250-milliliter amber glass bottles pre-preserved with sulfuric acid. Groundwater samples to be analyzed for dissolved iron and manganese were collected in 250-milliliter clear plastic bottles pre-preserved with nitric acid. These samples were filtered by the laboratory prior to analysis. Groundwater samples to be analyzed for chloride, nitrate, sulfate, and alkalinity were also collected in 500-milliliter clear plastic bottles that contained no preservative. Due to the 48-hour holding time for the nitrate, groundwater samples were collected in 500-milliliter clear plastic bottles and pre-preserved with sulfuric acid in case the samples could not be analyzed within 48 hours. Groundwater samples were transferred from the disposable bailer directly into the appropriate sample containers and were numbered by well number on the sample container.

Groundwater samples were labeled with the date and time the sample was collected, the sample and well number, and name of the firm and signature of the individual collecting the sample. The sample containers were sealed, labeled, and stored in a cooler with ice. Chain-of-custody forms (Appendix) were filled out with all the appropriate sample information, and accompanied the samples to the analytical laboratory. Field meter probes were decontaminated before use at each well.

3.0 FIELD DATA AND TEST RESULTS

3.1 WATER LEVELS AND GRADIENT

The depths to water in each of the 25 selected monitoring wells were measured October 23 through 27, 2006 and are listed in Table 1 along with historical data. The depth to groundwater in these twenty-five wells ranged from approximately 11.21 feet below top of casing in well MW-18 to 25.79 feet in well MW-22. Figure 2 shows hydrographs for the shallow wells during the last five years. In general, groundwater elevation has decreased by less than one half foot since the June 2006 sampling event. This is likely indicative of seasonal groundwater fluctuation. Monitoring wells MW-26 and MW-27 had not been surveyed for elevation at the time of this sampling event. An elevation survey will be performed before the end of 2006 so that groundwater contours in the eastern portion of the plume can be evaluated. The general flow direction for the shallow aquifer is eastward, as indicated by the groundwater contours and flow directions shown on Figure 3.

3.2 GROUNDWATER ANALYSES AND CHEMISTRY

The groundwater samples were analyzed for VOCs by U.S. EPA method 8260B. Selected samples from monitoring wells MW-1, MW-13, MW-18, and MW-25 were analyzed for total iron and manganese; chloride, nitrate, and sulfate; alkalinity; and TOC, by U.S. EPA methods 200.8, 300.0 and 310.1, and 415.1, respectively. The laboratory analytical reports and chain-of-custody forms are provided in Appendix A.

Table 2 summarizes field measurements of groundwater temperature, pH, SC, DO, ORP, and turbidity in the monitoring wells. Groundwater temperatures ranged from 22.2 to 27.1 degrees Centigrade (°C). Groundwater pH in shallow groundwater wells ranged from 6.3 to 5.9. Groundwater SC in shallow groundwater wells ranged from 1.37 to 3.94 microSiemens per cubic meter ($\mu\text{S}/\text{cm}$). Field measurements of DO concentration in the groundwater are used to monitor the extent of natural attenuation occurring within the aquifer. DO concentrations below 0.5 milligrams per liter (mg/L) are considered characteristic of anaerobic conditions (Wiedemeier et al, 1998). DO concentrations during this sampling event in shallow groundwater wells ranged from 1.22 to 7.36 mg/L. ORP values for shallow wells ranged from -272 to 297 millivolts (mV).

The Nevada Drinking Water Standards Maximum Contaminant Level (MCL) for PCE in groundwater is 5 micrograms per liter ($\mu\text{g}/\text{L}$). Analytical results for groundwater collected during this sampling event from shallow wells MW-1, MW-2, MW-5, MW-6, MW-13, MW-14, MW-17 through MW-21, and MW-23 through MW-27 exceeded the PCE MCL. Table 3 summarizes the analytical data for PCE detected in the wells. Figures 4A and 4B show the PCE concentrations vs. time in the shallow and intermediate wells, respectively. The highest concentration of PCE detected

this quarter was 2,800 µg/L in shallow well MW-13. Well MW-13 is located down gradient from the site on the Boulevard Mall property near the northeast corner of the front parking garage. PCE was not detected in shallow wells MW-3, MW-10, MW-12, MW-16, and MW-22. PCE was detected in quantities below the PCE MCL in shallow wells MW-7, MW-8, and MW-15. The PCE concentration in well MW-27, which is the furthest downgradient well at the site, was 380 µg/L. Figure 5 shows the monitoring well locations, respective PCE concentrations for selected shallow and intermediate wells, and the estimated PCE plume area for the shallow aquifer for this current sampling event.

Trichloroethene (TCE), a degradation compound of PCE, was not detected in groundwater this sampling event. TCE is a first order reductive dechlorination (anaerobic conditions) degradation compound of PCE. Based on prior groundwater analytical results, TCE has been detected in low concentrations in wells MW-2, MW-6, and MW-22 in prior sampling events.

A secondary degradation compound, cis-1,2-dichloroethene, was not detected this sampling event. This compound has been detected at low concentrations in samples from prior sampling events and is potentially derived from breakdown of the PCE impact.

Table 4 summarizes the results of laboratory testing for ionic compounds for the October 2006 sampling event. This is the sixth sampling event during which these parameters have been monitored. Iron concentrations ranged from 2.1 to 20.0 mg/L and manganese concentrations ranged from 0.011 to 0.480 mg/L. The anions (chloride, nitrate, and sulfate) ranged from 180 to 210 mg/L, 5.2 to 8.4 mg/L and 1,700 to 1,900 mg/L, respectively. Total alkalinity laboratory concentrations ranged from 210 to 280 mg/L. Total organic carbon (TOC) concentrations ranged from 1.7 to 2.8 mg/L.

4.0 CONCLUSIONS

4.1 GROUNDWATER SAMPLING CONCLUSIONS

In general, historical laboratory analytical data indicates that PCE concentration levels in monitoring wells have fluctuated over time, dating back to the first analysis by Converse in August 2000. PCE concentrations increased in twelve of the 25 monitoring wells samples this quarter compared to that detected in March 2006 and June 2006. The PCE concentration in the most easterly down gradient well MW-27 (installed in March 2006) was 380 µg/L.

Based on the groundwater monitoring and analytical results obtained during the last three sampling events, it appears that the PCE groundwater plume is approximately 550 feet wide and a minimum of 3,300 feet long. The groundwater plume is relatively narrow and may follow an old paleochannel within the alluvial sediments of the valley.

4.2 REMEDIAL EFFORTS

AI Phillips will focus future remedial efforts on the PCE source area. A 'Proposed Remedial Pilot Study Letter' was submitted to NDEP on December 27, 2005. This letter proposed, based on analysis of site conditions and remedial conditions in the Las Vegas valley, the installation of a groundwater air-sparging (AS) pilot remedial system at the facility. A source removal Corrective Action Plan has been prepared by AI Phillips and will be submitted to NDEP in early December 2006.

Maryland Square LLC (MS), owner of the former Maryland Square Shopping Center site, proceeded with demolition of the buildings at the site in July 2006. According to MS' property management firm, CB Richard Ellis, plans for development of the property have not been selected. Ongoing discussions with MS could change the proposed plans for installations of an AS remedial system.

5.0 REFERENCES

- Converse Consultants, 2000. Offsite Investigation, Maryland Square Shopping Center, Las Vegas, NV dated November 28, 2000.
- , 2001. A through K Data Research Report, dated August 22, 2001.
- , 2002a. Work Plan – Additional Site Investigation, dated January 11, 2002.
- , 2002b. Additional Soil and Groundwater Investigation, dated November 13, 2002.
- , 2003a. Additional Soil and Groundwater Investigation, dated May 16, 2003.
- , 2003b. Preliminary Corrective Action Plan (CAP), dated June 27, 2003.
- , 2003c. Work Plan – Additional Site Activities, dated September 12, 2003.
- , 2003d. Groundwater Monitoring Report – 3rd Quarter 2003, dated October 31, 2003.
- , 2004. Well Installation/Slug Testing/Groundwater Monitoring Report – 4th Quarter 2003 and 1st Quarter 2004, dated March 2004.
- SECOR International Incorporated, 2004. Preliminary Well Assessment, Monitoring Well MW-11, West of Dillard's Boulevard Mall Property, Las Vegas, NV, dated March 29, 2004.
- URS, 2004. Revised Work Plan, Proposed Subsurface Investigation, Former Al Phillips the Cleaner Site, Maryland Square Shopping Center, Las Vegas, NV, dated September 10, 2004.
- URS, 2005. Subsurface Investigation, Former Al Phillips the Cleaner Site, Maryland Square Shopping Center, Las Vegas, NV, dated July 11, 2005 .
- URS, 2005. Quarterly Groundwater Sampling, Former Al Phillips the Cleaner Site, Maryland Square Shopping Center, Las Vegas, NV, dated September 26, 2005.
- URS, 2005. Proposed Remedial Pilot Study, Former Al Phillips the Cleaner Site, Maryland Square Shopping Center, Las Vegas, NV, dated December 27, 2005.
- URS, 2006. Quarterly Groundwater Sampling, Former Al Phillips the Cleaner Site, Maryland Square Shopping Center, Las Vegas, NV, dated February 6, 2006.
- URS, 2006. Quarterly Groundwater Sampling, Former Al Phillips the Cleaner Site, Maryland Square Shopping Center, Las Vegas, NV, dated April 25, 2006.
- Wiedemeier, T. H., et al. 1998. Technical protocol for evaluating natural attenuation of chlorinated solvents in ground water. U.S. Environmental Protection Agency, Office of Research and Development, Publication U.S. EPA/600/R-98/128.

TABLES

TABLE 1
SUMMARY OF WELL CHARACTERISTICS AND GROUNDWATER ELEVATIONS
Maryland Square Shopping Center

Well ID	Install Date	Top of Casing (Elevation)	Screen Depth (in ft)	Sample Date	GROUNDWATER DEPTH/ELEVATION DATA		
					Depth to Water (in ft.)	Elevation (in ft.)	
SHALLOW WELLS							
MW-1	Aug-00	1,991.81	10-30	Oct 00	17.54	1974.27	
		1,992.04		Sep 02	17.90	1974.14	
				May 03	18.70	1973.34	
				Sept 03	18.97	1973.07	
				Jan 04	19.30	1972.74	
				May 05	15.24	1976.80	
				Sept 05	16.74	1975.30	
				Dec 05	17.61	1974.43	
				Mar 06	18.42	1973.62	
				Jun 06	NM	NM	
				Oct 06	18.30	1973.74	
MW-2	Oct-00	1,983.79	10-32	Oct 00	15.52	1968.27	
		1,983.99		Sep 02	16.62	1967.37	
				May 03	17.15	1966.84	
		1,983.97		Sept 03	17.70	1966.27	
				Jan 04	18.25	1965.72	
				May 05	14.65	1969.32	
				Dec 05	16.00	1967.97	
				Jun 06	17.55	1966.42	
				Oct 06	17.25	1966.72	
				MW-3	Oct-00	1,984.19	10-32
1,984.46	Sep 02		17.20			1967.26	
	May 03	17.70	1966.76				
1,984.43	Sept 03	18.35	1966.08				
	Jan 04	19.25	1965.18				
	May 05	15.22	1969.21				
	Dec 05	16.45	1967.98				
	Jun 06	18.38	1966.05				
	Oct 06	17.88	1966.55				
	MW-4	Oct-00	1,989.68			10-32	
			1,989.87	Sep 02	NM		NM
May 03				18.71	1971.16		
1,989.85			Sept 03	19.05	1970.80		
			Jan 04	19.86	1969.99		
			May 05	15.83	1974.02		
			Dec 05	17.62	1972.23		
			Jun 06	18.36	1971.49		
			Oct 06	18.34	1971.51		

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Well ID	Install Date	Top of Casing (Elevation)	Screen Depth (in ft)	Sample Date	GROUNDWATER DEPTH/ELEVATION DATA					
					Depth to Water (in ft.)	Elevation (in ft.)				
MW-5	Oct-00	1,988.93	10-32	Oct 00	16.20	1972.73				
		1,989.18		Sep 02	17.00	1972.18				
				May 03	17.80	1971.38				
				Oct 06	17.46	1971.72				
				Sept 03	18.07	1971.11				
				Jan 04	18.65	1970.53				
				May 05	14.87	1974.31				
				Dec 05	16.80	1972.38				
				Jun 06	17.40	1971.78				
				Oct 06	17.46	1971.72				
MW-6	Oct-00	1,988.72	10-32	Oct 00	17.41	1971.31				
		1,989.01		Sep 02	18.26	1970.75				
				May 03	18.87	1970.14				
				Sept 03	19.25	1969.76				
				Jan 04	19.74	1969.27				
				May 05	16.21	1972.80				
				Sept 05	17.26	1971.75				
				Dec 05	17.88	1971.13				
				Jun 06	18.80	1970.21				
				Oct 06	18.73	1970.28				
MW-7	Sep 02	1,990.28	10-30	Sep 02	18.27	1972.01				
		1,990.25		May 03	16.60	1973.68				
				Sept 03	16.79	1973.46				
				Jan 04	17.32	1972.93				
				May 05	13.86	1976.39				
				Sept 05	14.97	1975.28				
				Dec 05	15.45	1974.80				
				Mar 06	16.41	1973.84				
				Jun 06	16.50	1973.75				
				Oct 06	16.50	1973.75				
MW-8	Sep 02	1,994.25	10-30	Sep 02	18.55	1975.70				
		1,994.23		May 03	19.50	1974.75				
				Sept 03	19.55	1974.68				
				Jan 04	19.91	1974.32				
				May 05	15.51	1978.72				
				Dec 05	18.48	1975.75				
				Jun 06	18.89	1975.34				
				Oct 06	19.12	1975.11				
				MW-10	Sep 02	1,983.81	10-30	Sep 02	18.51	1965.30
						1,983.80		May 03	18.65	1965.16
Sept 03	19.45	1964.35								
Jan 04	20.32	1963.48								
May 05	16.76	1967.04								
Sept 05	16.95	1966.85								
Dec 05	17.64	1966.16								
Mar 06	19.25	1964.55								
Jun 06	17.90	1965.90								
Oct 06	19.00	1964.80								

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Maryland Square Shopping Center

Well ID	Install Date	Top of Casing (Elevation)	Screen Depth (in ft)	Sample Date	GROUNDWATER DEPTH/ELEVATION DATA	
					Depth to Water (in ft.)	Elevation (in ft.)
MW-11	Sep 02	1,980.24	13.5-33.5	Sep 02	24.22	1956.02
				May 03	24.25	1955.99
				Sept 03	25.62	1954.62
				Jan 04	26.22	1954.02
				May 05	22.55	1957.69
				Oct 06	NM	NM
MW-12	Sep 02	1,996.59	13.5-33.5	Sep 02	14.90	1981.69
		1,996.50		May 03	15.07	1981.52
				Sept 03	15.30	1981.20
				Jan 04	15.40	1981.10
				May 05	12.34	1984.16
				Sept 05	13.45	1983.05
				Dec 05	14.20	1982.30
				Mar 06	15.00	1981.50
				Jun 06	NM	NM
				Oct 06	14.71	1981.79
MW-13	May-03	1,984.23	9-29	May 03	17.25	1966.98
		1,984.20		Sept 03	17.60	1966.60
				Jan 04	18.00	1966.20
				May 05	14.76	1969.44
				Sept 05	15.60	1968.60
				Dec 05	16.05	1968.15
				Mar 06	17.24	1966.96
				Jun 06	17.40	1966.80
				Oct 06	17.15	1967.05
MW-14	Nov-03	1,987.89	15-40	Jan 04	18.35	1969.54
				May 05	15.02	1972.87
				Dec 05	16.50	1971.39
				Mar 06	17.54	1970.35
				Jun 06	17.61	1970.28
				Oct 06	17.42	1970.47
MW-15	Nov-03	1,983.28	15-32	Jan 04	15.60	1967.68
				May 05	12.59	1970.69
				Sept 05	13.45	1969.83
				Dec 05	13.77	1969.51
				Mar 06	15.00	1968.28
				Jun 06	15.15	1968.13
				Oct 06	14.91	1968.37
MW-16	Nov-03	1,980.63	19-32	Jan 04	26.22	1954.41
				May 05	23.41	1957.22
				Sept 05	24.12	1956.51
				Dec 05	24.21	1956.42
				Mar 06	25.06	1955.57
				Jun 06	26.05	1954.58
Oct 06	25.67	1954.96				

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Maryland Square Shopping Center

Well ID	Install Date	Top of Casing (Elevation)	Screen Depth (in ft)	Sample Date	GROUNDWATER DEPTH/ELEVATION DATA	
					Depth to Water (in ft.)	Elevation (in ft.)
MW-17 (4-inch)	Apr-05	1,990.92	15-20	May 05	15.07	1975.85
				Dec 05	17.05	1973.87
				Jun 06	NM	NM
				Oct 06	17.91	1973.01
MW-18 (4-inch)	Apr-05	1,962.87	15-20	May 05	8.71	1954.16
				Sept 05	9.69	1953.18
				Dec 05	9.70	1953.17
				Mar 06	10.21	1952.66
				Jun 06	11.64	1951.23
				Oct 06	11.21	1951.66
MW-19	Nov-03	1,980.26	19-35	Jan 04	25.65	1954.61
				May 05	22.70	1957.56
				Dec 05	23.65	1956.61
				Jun 06	25.55	1954.71
MW-20	Nov-03	1,979.99	19-35	Oct 06	25.23	1955.03
				Jan 04	25.50	1954.49
				May 05	22.58	1957.41
				Dec 05	23.55	1956.44
MW-21	Nov-03	1,979.56	19-35	Jun 06	25.48	1954.51
				Oct 06	25.04	1954.95
				Jan 04	24.72	1954.84
				May 05	21.76	1957.80
				Sept 05	22.70	1956.86
				Dec 05	22.85	1956.71
MW-22 (4-inch)	Apr-05	1,974.76	15-20	Mar 06	23.46	1956.10
				Jun 06	24.68	1954.88
				Oct 06	24.35	1955.21
				May 05	23.04	1951.72
				Sept 05	24.18	1950.58
MW-23 (4-inch)	Apr-05	1,962.32	15-20	Dec 05	24.30	1950.46
				Mar 06	24.68	1950.08
				Jun 06	25.91	1948.85
				Oct 06	25.79	1948.97
MW-24 (4-inch)	Apr-05	1,960.74	15-20	May 05	13.06	1949.26
				Dec 05	14.05	1948.27
				Jun 06	15.60	1946.72
				Oct 06	15.48	1946.84
				May 05	10.72	1950.02
MW-25 (4-inch)	Apr-05	1,960.74	15-20	Sept 05	11.75	1948.99
				Dec 05	11.65	1949.09
				Mar 06	12.10	1948.64
				Jun 06	13.16	1947.58
				Oct 06	13.06	1947.68
				May 05	16.01	1944.73
MW-25 (4-inch)	Apr-05	1,960.74	15-20	Sept 05	17.45	1943.29
				Dec 05	16.85	1943.89
				Mar 06	17.30	1943.44
				Jun 06	18.64	1942.10
				Oct 06	18.75	1941.99

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SUMMARY OF WELL CHARACTERISTICS AND GROUNDWATER ELEVATIONS
Maryland Square Shopping Center

Well ID	Install Date	Top of Casing (Elevation)	Screen Depth (in ft)	Sample Date	GROUNDWATER DEPTH/ELEVATION DATA	
					Depth to Water (in ft.)	Elevation (in ft.)
MW-26 (4-inch)	Mar-06	*	10-35	Mar 06	15.60	
				Jun 06	17.00	
				Oct 06	17.17	
MW-27 (4-inch)	Mar-06	*	10-35	Mar 06	13.48	
				Jun 06	18.50	
				Oct 06	16.16	
INTERMEDIATE WELL						
MW-9	Sep-02	1,992.26	48.5-50	Sep 02	18.46	1973.80
		1,992.26		May 03	19.15	1973.11
				Sept 03	19.02	1973.24
				Jan 04	19.05	1973.21
				May 05	15.36	1976.90
				Sept 05	17.85	1974.41
				Dec 05	17.68	1974.58
				Mar-06	18.55	1973.71
				Jun-06	NM	NM
				Oct 06	18.40	1973.86

NOTES: All measurements are in feet. Top of casing elevation is in feet above mean sea level.
 All wells are 2-inch diameter PVC casing and screen, unless indicated.
 All wells installed prior to September 2003 were resurveyed in September of 2003.
 NM = 'not measured' ; * =Mar 2006 installed wells yet to be surveyed

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	pH	Temperature (°C)	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Turbidity (ntu)
SHALLOW WELLS							
MW-1	Jan-04	6.97	22.50	3.48	0.93	NM	NM
	May-05	7.02	26.04	3.98	5.43	110	441
	Sep-05	7.08	27.50	4.16	6.99	129	64
	Dec-05	6.98	26.90	5.10	2.01	404	290
	Mar-06	**	23.10	5.62	**	545	>999
	Oct-06	6.32	26.74	3.71	4.61	129	81
MW-2	Jan-04	7.05	23.20	3.10	1.13	NM	NM
	May-05	6.93	23.40	3.47	4.82	193	698
	Dec-05	6.63	25.40	4.82	2.67	264	360
	Jun-06	**	24.90	3.70	6.98	116	728
	Oct-06	6.12	24.41	3.48	5.11	161	20
MW-3	Jan-04	6.87	22.40	2.91	0.97	NM	NM
	May-05	6.99	26.00	2.88	2.54	149	**
	Dec-05	6.55	27.30	4.69	0.88	33	100
	Jun-06	**	26.40	3.76	5.61	-32	285
	Oct-06	5.91	26.71	3.90	2.04	279	26
MW-4	Jan-04	6.95	22.00	2.71	1.23	NM	NM
	May-05	6.83	24.20	3.73	3.68	160	664
	Dec-05	6.68	25.90	4.90	3.22	219	670
	Jun-06	NM	NM	NM	NM	NM	NM
	Oct-06	NM	NM	NM	NM	NM	NM
MW-5	Jan-04	6.72	22.30	2.61	1.20	NM	NM
	May-05	7.09	25.40	2.59	4.56	184	**
	Dec-05	6.78	26.80	5.28	1.51	377	>999
	Jun-06	**	26.60	3.80	6.93	126	>999
	Oct-06	6.23	26.68	3.51	4.82	99	21
MW-6	Jan-04	6.97	22.40	2.31	1.19	NM	NM
	May-05	6.91	25.90	2.35	2.81	123	**
	Sep-05	6.99	26.90	3.95	6.23	-119	34
	Dec-05	6.80	26.50	4.86	1.10	163	220
	Jun-06	**	26.70	4.00	6.34	172	707
	Oct-06	6.27	26.47	3.55	4.12	61	7

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	pH	Temperature (°C)	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Turbidity (ntu)
MW-7	Jan-04	7.00	22.40	2.23	0.93	NM	NM
	May-05	7.10	24.79	1.79	4.03	129	**
	Sep-05	6.97	26.60	4.62	6.22	144	140
	Dec-05	6.67	23.80	5.33	1.80	472	5
	Mar-06	4.67	22.40	6.71	**	634	428
	Jun-06	**	26.20	4.12	6.58	-14	>999
	Oct-06	6.24	25.03	3.68	4.41	92	>999
MW-8	Jan-04	6.99	22.00	2.16	1.04	NM	NM
	May-05	7.03	27.70	1.75	3.64	107	**
	Dec-05	6.68	24.10	4.24	2.08	483	>999
	Jun-06	**	27.40	3.66	6.92	185	>999
	Oct-06	6.24	26.73	3.44	5.86	108	>999
MW-10	Jan-04	7.00	24.40	3.13	1.03	NM	NM
	May-05	6.82	28.10	3.20	1.46	-253	25
	Sep-05	6.96	27.90	2.90	3.89	-239	28
	Dec-05	6.69	23.90	3.66	1.47	-140	57
	Mar-06	5.73	21.30	1.77	**	-154	153
	Jun-06	**	28.10	2.10	3.54	-303	>999
	Oct-06	6.16	27.11	1.37	1.58	-272	86
MW-11	Jan-04	NM	NM	NM	NM	NM	NM
	May-05	NM	NM	NM	NM	NM	NM
	Oct-06	NM	NM	NM	NM	NM	NM
MW-12	Jan-04	6.99	22.40	2.15	NM	NM	NM
	May-05	6.76	24.90	2.58	3.22	219	**
	Sep-05	7.03	25.60	4.22	4.96	95	160
	Dec-05	6.68	22.50	4.98	2.00	523	210
	Mar-06	**	23.50	6.65	**	503	91
	Oct-06	6.32	26.13	3.94	3.88	112	>999
MW-13	Jan-04	6.61	22.20	3.29	1.07	NM	NM
	May-05	6.97	24.50	2.06	4.16	118	>999
	Sep-05	7.07	25.40	3.95	6.85	144	270
	Dec-05	6.70	24.90	5.03	2.19	250	330
	Mar-06	5.45	22.80	3.64	**	68	44
	Jun-06	**	24.20	3.72	7.11	120	425
	Oct-06	6.16	24.64	3.63	3.84	169	50

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	pH	Temperature (°C)	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Turbidity (ntu)
MW-14	Jan-04	6.99	22.30	2.27	1.30	NM	NM
	May-05	6.95	24.70	3.23	NM	140	NM
	Dec-05	6.78	26.10	5.31	2.07	206	>999
	Mar-06	5.23	24.20	6.76	**	234	898
	Jun-06	**	25.40	3.93	6.75	119	>999
	Oct-06	6.06	24.76	3.55	6.96	297	>999
MW-15	Jan-04	6.35	22.40	2.20	1.00	NM	NM
	May-05	6.99	25.06	2.33	2.85	164	**
	Sep-05	6.97	25.80	3.57	3.48	-24	36
	Dec-05	6.58	25.90	4.45	1.03	-38	140
	Mar-06	4.70	23.90	6.40	**	613	20
	Jun-06	**	26.00	3.84	4.26	106	300
	Oct-06	6.17	25.72	3.66	2.01	51	10
MW-16	Jan-04	6.97	22.40	2.31	0.68	NM	NM
	May-05	7.12	25.20	2.88	1.10	-4	**
	Sep-05	7.00	24.60	3.42	3.50	-31	520
	Dec-05	6.74	25.30	3.76	1.30	48	>999
	Mar-06	5.15	23.80	5.74	**	162	199
	Jun-06	**	27.10	3.44	5.56	-64	>999
	Oct-06	6.25	24.60	3.39	2.00	-145	32
MW-17*	May-05	6.92	24.10	3.49	5.94	181	22
	Dec-05	6.90	26.80	4.65	2.30	240	6
	Oct-06	6.22	24.91	3.45	7.36	174	2
MW-18*	May-05	7.10	24.30	3.86	5.56	139	>999
	Sep-05	7.10	26.30	4.12	6.21	88	3
	Dec-05	6.79	25.20	4.73	1.98	420	**
	Mar-06	5.17	23.30	6.21	**	237	3
	Jun-06	**	25.40	3.61	6.18	166	304
	Oct-06	6.30	25.54	3.47	4.06	127	0
MW-19	Jan-04	6.99	22.40	1.90	1.02	NM	NM
	May-05	7.13	25.03	1.86	5.76	130	**
	Dec-05	6.64	24.70	4.74	1.95	388	**
	Jun-06	**	27.10	3.69	7.86	86	>999
	Oct-06	6.10	23.91	3.69	4.60	175	>999

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	pH	Temperature (°C)	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Turbidity (ntu)
MW-20	Jan-04	6.94	22.60	2.07	1.11	NM	NM
	May-05	7.16	23.56	1.32	4.97	131	**
	Dec-05	6.76	20.50	4.37	0.77	272	**
	Jun-06	**	28.60	3.82	6.91	70	736
	Oct-06	6.13	23.66	2.63	4.11	234	>999
MW-21	Jan-04	6.91	22.30	2.04	1.08	NM	NM
	May-05	7.07	24.59	2.82	2.88	131	**
	Sep-05	7.06	25.80	4.66	4.07	109	39
	Dec-05	6.64	24.30	4.60	0.54	264	>999
	Mar-06	5.52	23.00	3.58	**	309	140
	Jun-06	**	28.50	3.50	4.73	112	>999
	Oct-06	6.24	24.11	3.46	1.99	79	>999
MW-22*	May-05	6.79	24.14	3.89	1.68	46	474
	Sep-05	6.90	23.90	4.25	7.16	46	10
	Dec-05	6.42	24.60	4.20	1.31	213	**
	Mar-06	4.79	24.00	6.09	**	269	30
	Jun-06	**	26.40	3.39	5.96	376	287
	Oct-06	5.98	23.79	3.74	2.43	141	11
MW-23*	May-05	7.00	24.50	3.63	2.56	121	**
	Dec-05	6.71	24.90	4.91	2.13	320	**
	Jun-06	**	23.80	3.68	5.77	238	318
	Oct-06	6.27	23.95	3.50	2.51	107	0
MW-24*	May-05	6.97	23.09	3.56	1.48	76	>999
	Sep-05	7.00	25.80	3.83	3.62	5	25
	Dec-05	6.56	25.60	4.46	1.04	183	29
	Mar-06	4.70	22.60	6.02	**	503	1
	Jun-06	**	25.10	3.44	5.11	132	201
	Oct-06	6.17	25.51	3.20	1.22	-23	0
MW-25*	May-05	7.03	23.60	4.00	4.34	141	>999
	Sep-05	7.01	26.20	4.18	5.10	57	30
	Dec-05	6.63	24.70	5.28	1.35	417	0
	Mar-06	5.15	23.60	6.67	**	255	94
	Jun-06	**	23.50	3.93	5.74	376	228
	Oct-06	6.23	23.59	3.72	3.08	106	0
MW-26	Mar-06	6.83	23.80	3.75	2.59	158	0
	Jun-06	**	24.10	2.32	4.83	305	229
	Oct-06	6.18	23.71	3.72	2.91	180	0
	Mar-06	6.83	21.90	3.28	2.44	142	0

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	pH	Temperature (°C)	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Turbidity (ntu)
MW-27	Jun-06	**	26.10	3.67	4.57	69	626
	Oct-06	6.20	22.24	3.32	2.84	155	0
Average		6.56	24.75	3.73	3.48	156	183
INTERMEDIATE WELL							
MW-9	Jan-04	6.99	22.60	2.50	1.18	NM	NM
	May-05	7.14	26.12	2.68	7.56	130	296
	Sep-05	7.17	27.10	1.81	6.58	111	4
	Dec-05	6.88	26.60	2.45	2.49	123	33
	Mar-06	5.06	25.90	2.08	**	496	-1
	Jun-06	NM	NM	NM	NM	NM	NM
	Oct-06	6.30	25.71	2.38	4.11	86	0
Average		6.59	25.67	2.32	4.38	189	66

NOTES: * = wells installed in Apr 2005. ** = instrument failure
 Monitoring well MW-11 not sampled due to detection of floating hydrocarbons in the well.
 °C = degrees Celsius. uS = microsiemens (equivalent to umhos). mg/L = milligrams per liter.
 mV = millivolts. Ntu = Nephelometric Turbidity Units

TABLE 3
SELECTED VOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	Concentration (in ug/L)		
		perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichloroethene
SHALLOW WELLS				
MW-1	Aug 00	2,300	ND	ND
	Oct 00	NS	NS	NS
	Sep 02	2,000	ND	ND
	May 03	870	ND	ND
	Sep 03	2,300	ND	ND
	Nov 03	-	-	-
	Jan 04	1,700	ND	ND
	May 05	3,500	ND	ND
	Sep 05	1,700	ND	ND
	Dec 05	820	ND	ND
	Mar 06	420	ND	ND
	Jun 06	NS	NS	NS
	Oct 06	1,100	ND	ND
MW-2	Oct 00	3,000	18	18
	Sep 02	3,000	13	13
	May 03	1,400	ND	ND
	Sep 03	1,700	ND	ND
	Nov 03	-	-	-
	Jan 04	1,700	ND	ND
	May 05	2,050	17	9.7
	Dec 05	2,900	ND	ND
	Jun 06	1,600	ND	ND
	Oct 06	1,900	ND	ND
MW-3	Oct 00	98	ND	ND
	Sep 02	ND	ND	ND
	May 03	6.9	ND	ND
	Sep 03	12	ND	ND
	Nov 03	-	-	-
	Jan 04	6.7	ND	ND
	May 05	ND	ND	ND
	Dec 05	ND	ND	ND
	Jun 06	ND	ND	ND
MW-4	Oct 00	14	ND	ND
	Sep 02	25	ND	ND
	May 03	24	ND	ND
	Sep 03	100	ND	ND
	Nov 03	-	-	-
	Jan 04	220	ND	ND
	May 05	25	ND	ND
	Dec 05	15	ND	ND
	Jun 06	27	ND	ND
	Oct 06	NS	NS	NS

TABLE 3
SELECTED VOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	Concentration (in ug/L)		
		perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichloroethene
MW-5	Oct 00	100	ND	ND
	Sep 02	110	ND	ND
	May 03	240	ND	ND
	Sep 03	220	ND	ND
	Nov 03	-	-	-
	Jan 04	370	ND	ND
	May 05	146	ND	ND
	Dec 05	93	ND	ND
	Jun 06	220	ND	ND
	Oct 06	67	ND	ND
MW-6	Oct 00	2,200	13	8.1
	Sep 02	1,000	41	14
	May 03	710	22	ND
	Sep 03	1,300	ND	ND
	Nov 03	-	-	-
	Jan 04	2,400	ND	ND
	May 05	2,090	13	11
	Sep 05	890	13	23
	Dec 05	530	41	21
	Jun 06	1,100	ND	ND
MW-7	Oct 06	1,300	ND	ND
	Sep 02	ND	ND	ND
	May 03	1.7	ND	ND
	Sep 03	2.0	ND	ND
	Nov 03	-	-	-
	Jan 04	11	ND	ND
	May 05	ND	ND	ND
	Sep 05	3.3	ND	ND
	Dec 05	1.2	ND	ND
	Mar 06	1.5	ND	ND
MW-8	Jun 06	2.2	ND	ND
	Oct 06	2.9	ND	ND
	Sep 02	5.4	ND	ND
	May 03	3.2	ND	ND
	Sep 03	3.7	ND	ND
	Nov 03	-	-	-
	Jan 04	4.7	ND	ND
	May 05	5.6	5.6	ND
Dec 05	3.6	ND	ND	
Jun 06	2.6	ND	ND	
Oct 06	3.4	ND	ND	

TABLE 3
SELECTED VOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	Concentration (in ug/L)		
		perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichloroethene
MW-10	Sep 02	ND	ND	ND
	May 03	ND	ND	ND
	Sep 03	15	ND	ND
	Nov 03	-	-	-
	Jan 04	ND	ND	ND
	May 05	ND	ND	ND
	Sep 05	ND	ND	ND
	Dec 05	ND	ND	ND
	Mar 06	ND	ND	ND
	Jun 06	ND	ND	ND
Oct 06	ND	ND	ND	
MW-11	Sep 02	ND	ND	ND
	May 03	ND	ND	ND
	Sep 03	NS ⁽¹⁾	NS ⁽¹⁾	NS ⁽¹⁾
	Nov 03	NS ⁽¹⁾	NS ⁽¹⁾	NS ⁽¹⁾
	Jan 04	NS ⁽¹⁾	NS ⁽¹⁾	NS ⁽¹⁾
	May 05	NS ⁽¹⁾	NS ⁽¹⁾	NS ⁽¹⁾
	Dec 05	NS ⁽¹⁾	NS ⁽¹⁾	NS ⁽¹⁾
	Jun 06	NS ⁽¹⁾	NS ⁽¹⁾	NS ⁽¹⁾
Oct 06	NS ⁽¹⁾	NS ⁽¹⁾	NS ⁽¹⁾	
MW-12	Sep 02	ND	ND	ND
	May 03	1.3	ND	ND
	Sep 03	14	ND	ND
	Nov 03	-	-	-
	Jan 04	6.1	ND	ND
	May 05	ND	ND	ND
	Sep 05	1.1	ND	ND
	Dec 05	1.2	ND	ND
	Mar 06	1.1	ND	ND
	Jun 06	NS	NS	NS
Oct 06	ND	ND	ND	
MW-13	May 03	2,100	ND	ND
	Sep 03	2,800	ND	ND
	Nov 03	-	-	-
	Jan 04	2,700	ND	ND
	May 05	5,310	ND	ND
	Sep 05	2,600	ND	ND
	Dec 05	3,400	ND	ND
	Mar 06	3,700	ND	ND
	Jun 06	2,900	ND	ND
Oct 06	2,800	ND	ND	
MW-14	Nov 03	1,900	ND	ND
	Jan 04	2,100	ND	ND
	May 05	2,920	5.5	ND
	Dec 05	3,400	ND	ND
	Mar 06	2,500	ND	ND
	Jun 06	1,800	ND	ND
Oct 06	1,900	ND	ND	

TABLE 3
SELECTED VOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	Concentration (in ug/L)		
		perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichloroethene
MW-15	Nov 03	5.2	ND	ND
	Jan 04	2.7	ND	ND
	May 05	ND	ND	ND
	Sep 05	3.6	ND	ND
	Dec 05	5.0	ND	ND
	Mar 06	4.5	ND	ND
	Jun 06	4.4	ND	ND
MW-16	Oct 06	3.3	ND	ND
	Nov 03	ND	ND	ND
	Jan 04	ND	ND	ND
	May 05	ND	ND	ND
	Sep 05	ND	ND	ND
	Dec 05	ND	ND	ND
	Mar 06	ND	ND	ND
MW-17	Jun 06	ND	ND	ND
	Oct 06	ND	ND	ND
	May 05	520	ND	ND
	Dec 05	470	ND	ND
MW-18	Jun 06	NS	NS	NS
	Oct 06	1,300	ND	ND
	May 05	8.7	1,600	ND
	Sep 05	9.7	1,700	ND
	Dec 05	9.7	2,400	ND
	Mar 06	10.2	1,700	ND
	Jun 06	11.6	1,600	ND
MW-19	Oct 06	11.2	2,100	ND
	Nov 03	1,100	ND	ND
	Jan 04	1,200	ND	ND
	May 05	873	ND	ND
	Dec 05	1,300	ND	ND
	Jun 06	910	ND	ND
MW-20	Oct 06	840	ND	ND
	Nov 03	1,800	ND	ND
	Jan 04	290	2.8	ND
	May 05	1,460	ND	ND
	Dec 05	1,800	ND	ND
	Jun 06	2,100	ND	ND
MW-21	Oct 06	2,000	ND	ND
	Nov 03	51	ND	ND
	Jan 04	55	ND	ND
	May 05	30	ND	ND
	Sep 05	19	2.4	1.5
	Dec 05	16	1.8	1.3
	Mar 06	43	ND	ND
	Jun 06	32	ND	ND
Oct 06	23	ND	ND	

Algonquin

TABLE 3
SELECTED VOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	Concentration (in ug/L)		
		perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichloroethene
MW-22	May 05	ND	ND	ND
	Sep 05	ND	ND	ND
	Dec 05	1.0	ND	ND
	Mar 06	ND	ND	ND
	Jun 06	ND	ND	ND
	Oct 06	ND	ND	ND
MW-23	May 05	1,430	ND	ND
	Dec 05	1,900	ND	ND
	Jun 06	1,500	ND	ND
	Oct 06	2,000	ND	ND
MW-24	May 05	ND	ND	ND
	Sep 05	4.3	ND	ND
	Dec 05	6.7	ND	ND
	Mar 06	6.5	ND	ND
	Jun 06	5.6	ND	ND
	Oct 06	26	ND	ND
MW-25	May 05	993	ND	ND
	Sep 05	920	ND	ND
	Dec 05	1,000	ND	ND
	Mar 06	970	ND	ND
	Jun 06	960	ND	ND
	Oct 06	1,300	ND	ND
MW-26	Mar 06	730	ND	ND
	Jun 06	770	ND	ND
	Oct 06	1,100	ND	ND
MW-27	Mar 06	220	ND	ND
	Jun 06	350	ND	ND
	Oct 06	380	ND	ND
INTERMEDIATE WELL				
MW-9	Sep 02	670	ND	ND
	May 03	59	ND	ND
	Sep 03	9.2	ND	ND
	Nov 03	-	-	-
	Jan 04	10	ND	ND
	May 05	353	ND	ND
	Sep 05	64	ND	ND
	Dec 05	190	ND	ND
	Mar 06	ND	ND	ND
	Jun 06	NS	NS	NS
	Oct 06	160	ND	ND

NOTES: ND = None Detected, NS = Not Sampled, ' - ' cells indicate no data available.
 (1) = Monitoring Well MW-11 was not sampled due to detection of floating hydrocarbons in the well.
 ug/L = micrograms per liter.
 PCE is perchloroethylene (tetrachloroethene). The Maximum Contaminant Level for PCE in drinking water is 5 ug/L.

TABLE 4
SUMMARY OF OTHER ANALYTICAL DATA
Maryland Square Shopping Center

Well ID	Sample Date	Concentration (in mg/L)						
		Total Iron	Dissolved Manganese	Chloride	Nitrate as N	Sulfate	Total Alkalinity	Total Organic Carbon
SHALLOW WELLS								
MW-1	May 05	ND	ND	180	8.9	1,613	ND	5.1
	Sep 05	3.7	0.057	180	8.8	1,800	230	6.0
	Dec 05	5.0	0.027	200	8.1	1,800	190	1.7
	Mar-06	24.0	0.230	170	8.4	1,600	250	3.8
	Jun-06	NS	NS	NS	NS	NS	NS	NS
	Oct-06	5.1	0.044	210	8.4	1,900	220	2.8
MW-6	May 05	ND	0.040	200	10.5	1,615	ND	6.0
MW-12	May 05	ND	ND	270	23.9	1,618	16	4.8
MW-13	May 05	ND	ND	170	6.9	1,562	ND	1.7
	Sep 05	19.0	0.690	170	6.1	1,700	260	3.6
	Dec 05	7.0	0.110	190	5.9	1,600	220	1.6
	Mar-06	7.7	0.200	240	7.0	1,500	220	1.7
	Jun-06	15.0	0.490	190	7.9	1,600	230	1.7
	Oct-06	20.0	0.480	190	6.2	1,700	220	2.7
MW-18	Sep 05	0.9	0.020	160	5.4	1,800	240	3.3
	Dec 05	3.7	0.015	180	4.7	1,600	200	1.4
	Mar-06	2.6	0.012	150	5.4	1,500	220	1.4
	Jun-06	1.9	ND	200	5.8	1,900	220	1.4
	Oct-06	2.1	0.011	180	5.2	1,900	210	1.7
MW-19	May 05	ND	ND	170	5.9	1,599	19	2.7
MW-23	May 05	ND	ND	200	7.5	1,596	ND	1.8
MW-25	May 05	ND	ND	180	5.9	1,616	ND	1.7
	Sep 05	1.2	0.020	170	4.5	1,900	300	4.4
	Dec 05	3.0	ND	190	4.5	1,900	230	1.3
	Mar-06	3.4	0.018	160	5.2	1,600	240	2.0
	Jun-06	2.1	0.006	220	5.7	1,900	230	1.9
	Oct-06	3.2	0.020	200	5.2	1,900	280	2.0
Average		8.4	0.173	189	7	1,705	204	2.7
INTERMEDIATE WELL								
MW-9	May 05	ND	ND	110	5.2	1,094	ND	2.1

NOTES: ND is none detected. Empty cells indicate no sampling data available.
mg/L is milligrams per liter.
Total iron and manganese are total dissolved values as the samples were field filtered.
Empty cells indicate no sampling data available.
Shallow wells are approximately 25 ft deep; Intermediate wells are 30-40 ft deep.



FIGURES



Source: Clark County Assessors Web Site

Scale:  200 feet



SITE LOCATION MAP

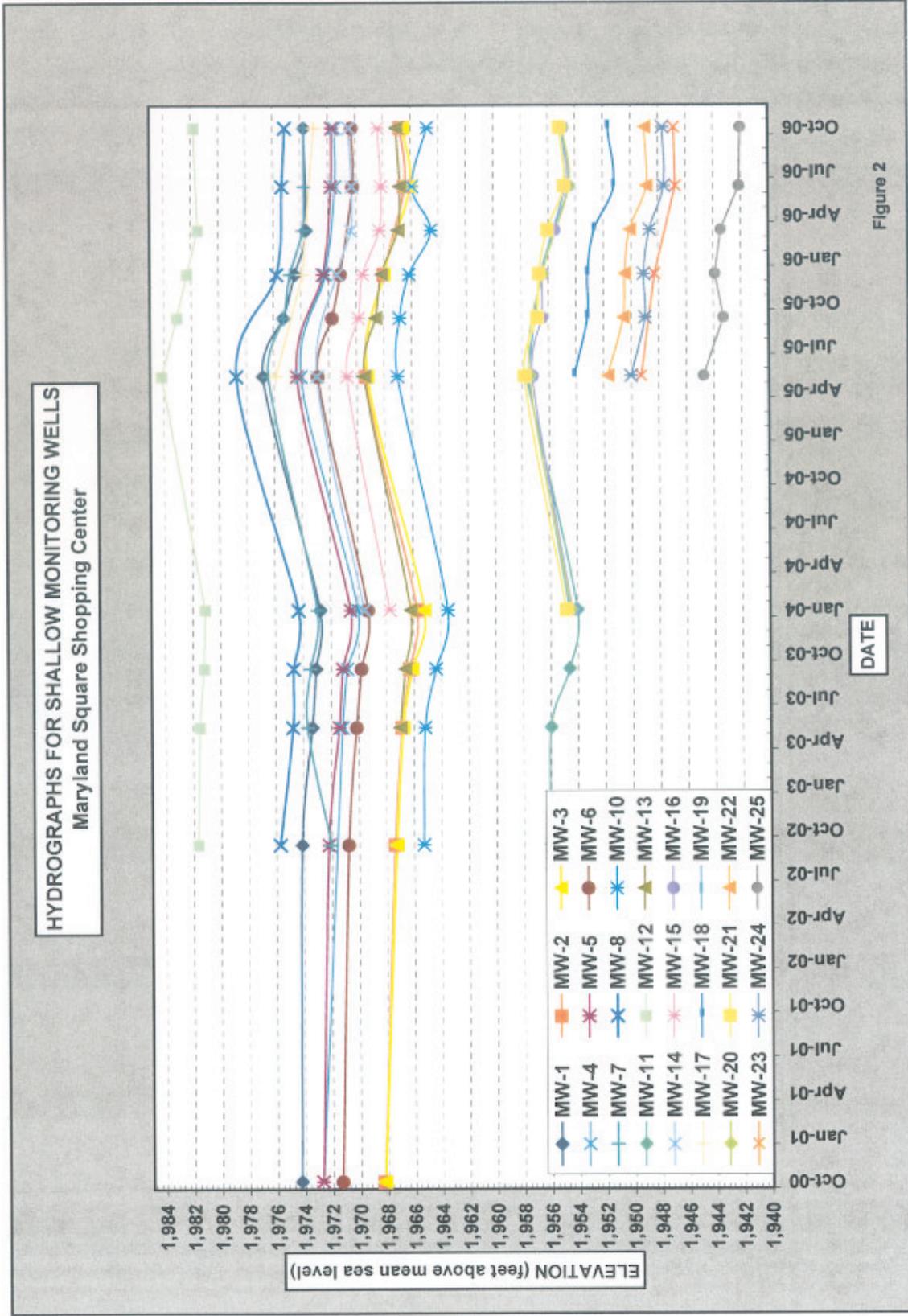
Al Phillips The Cleaner
 Quarterly Groundwater Sampling
 Maryland Square Shopping Center
 3661 South Maryland Parkway
 Las Vegas, Nevada

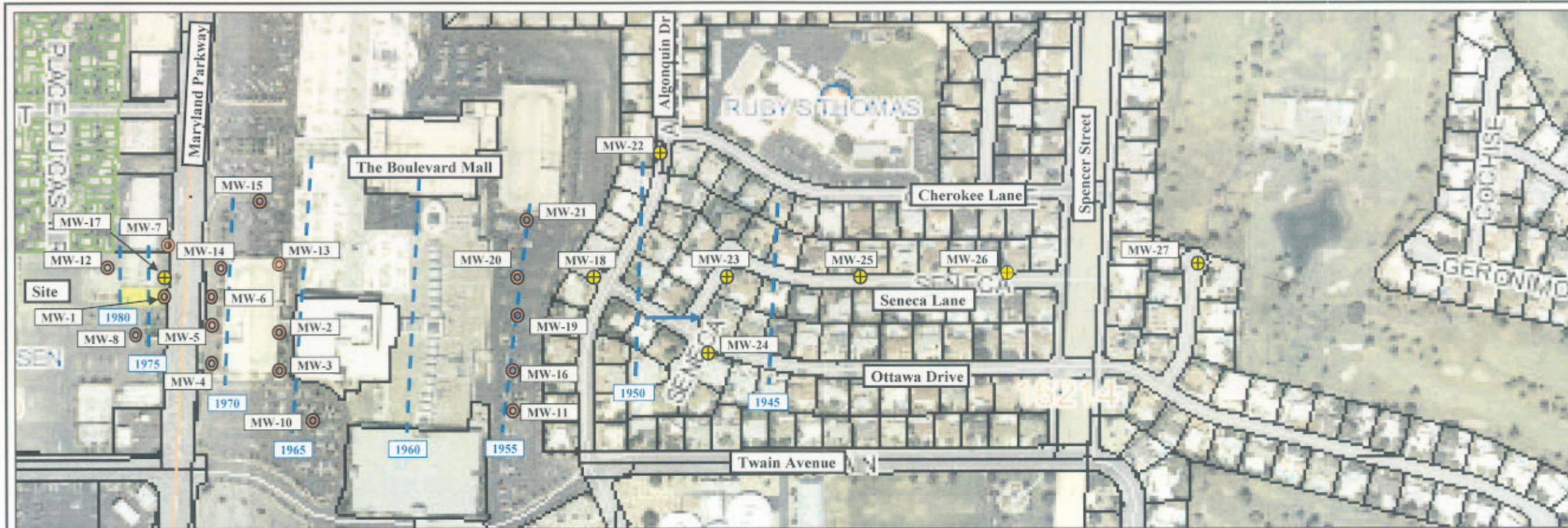


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 MS October 06 Fig 1.ppt

FIGURE 1

Figure 2

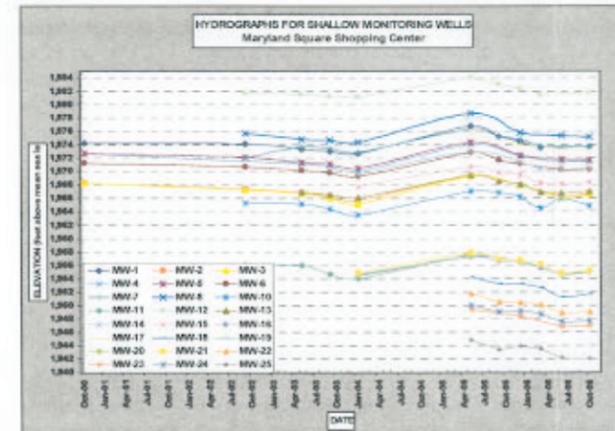




Groundwater Elevations In Monitoring Wells (October 2006)

Well	Elevation	Well	Elevation	Well	Elevation
MW-1	1973.74	MW-12	1981.79	MW-22	1948.97
MW-2	1966.72	MW-13	1967.05	MW-23	1946.84
MW-3	1966.55	MW-14	1970.47	MW-24	1947.68
MW-4	1971.51	MW-15	1968.37	MW-25	1941.99
MW-5	1971.72	MW-16	1954.96	MW-26	**
MW-6	1970.28	MW-17	1973.01	MW-27	**
MW-7	1973.75	MW-18	1951.66	Intermediate Well	
MW-8	1975.11	MW-19	1955.03	Well	Elevation
MW-10	1964.80	MW-20	1954.95	MW-9	1973.86
MW-11	NM	MW-21	1955.21		

Elevations are feet above means sea level. NM = Not Measured. ** = Installed in March 2006, not yet surveyed.



Source: Clark County Assessors Web Site
Scale: 0Feet | 200 Feet



Legend:

- Approximate Location of Monitoring Well Installed by URS.
- Approximate Location of Monitoring Well Installed by Converse.
- Groundwater Elevation Contour Line
- Approximate Direction of Groundwater Flow

GROUNDWATER ELEVATION CONTOURS FOR SHALLOW WELLS

3rd Quarter 2006

At Phillips The Cleaner
Quarterly Groundwater Sampling
Maryland Square Shopping Center
3661 South Maryland Parkway
Las Vegas, Nevada

October 2006
Job No. 26698724
MS Oct 06 Fig3.ppt

FIGURE 3

Figure 4A

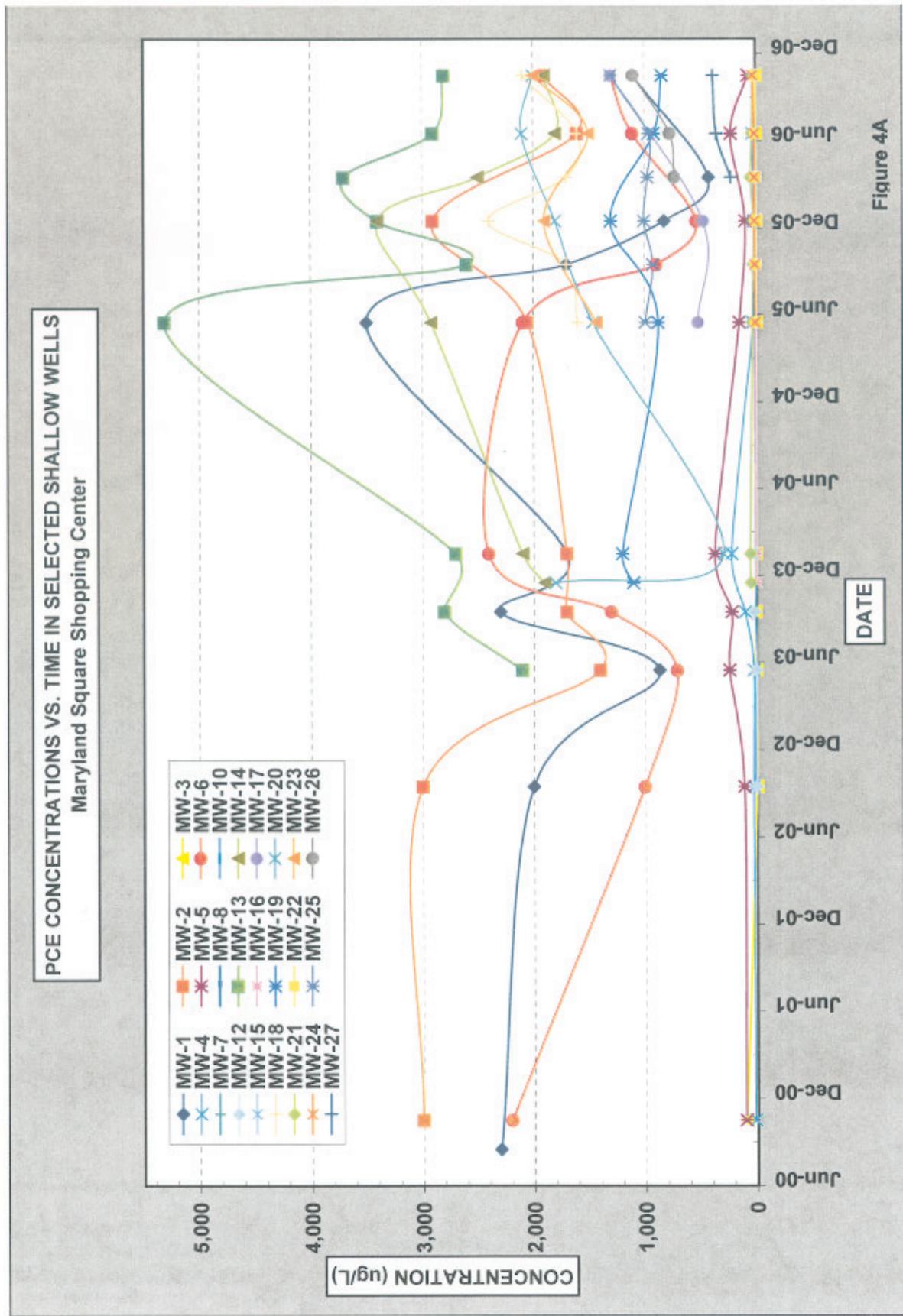
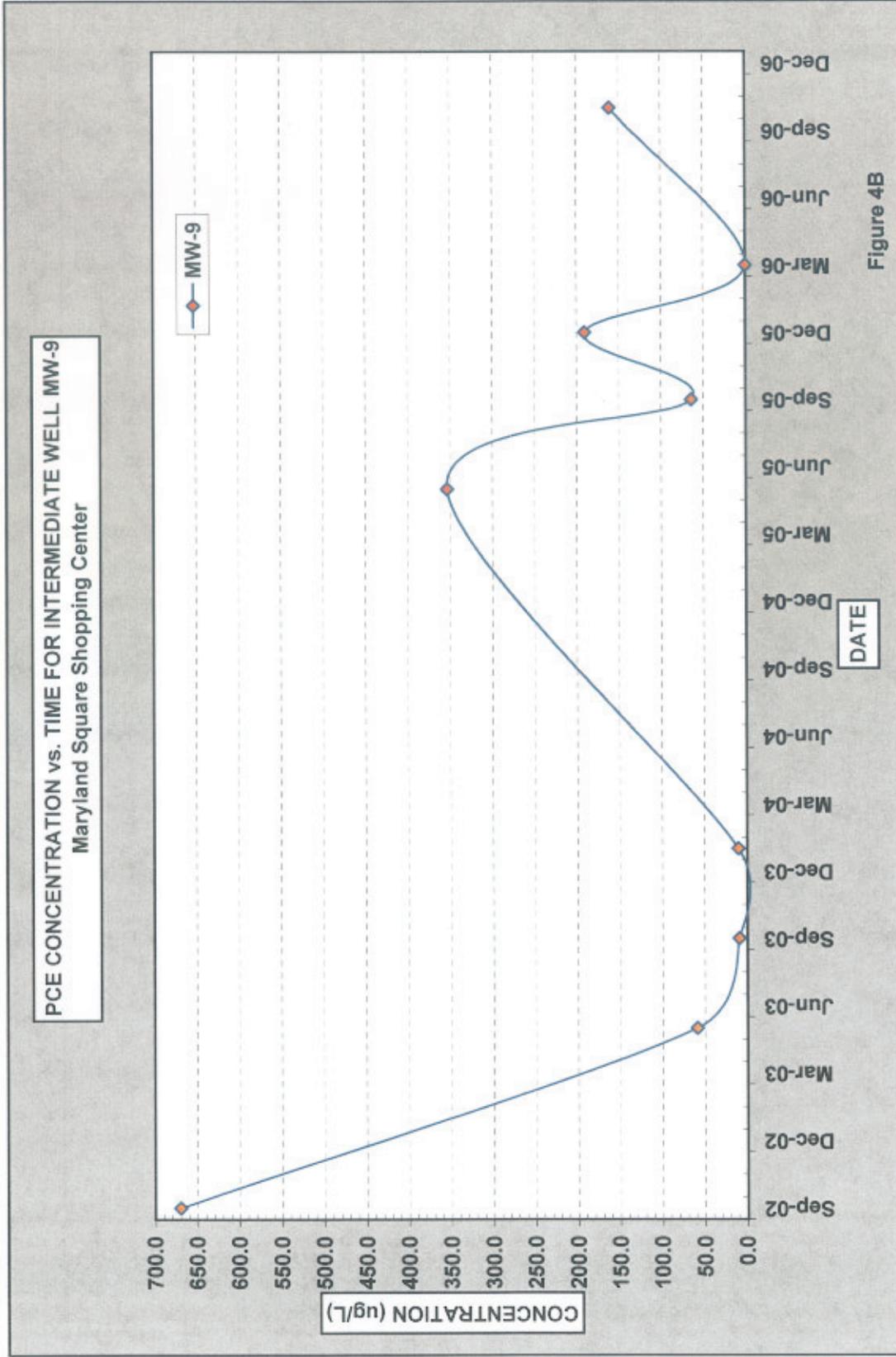
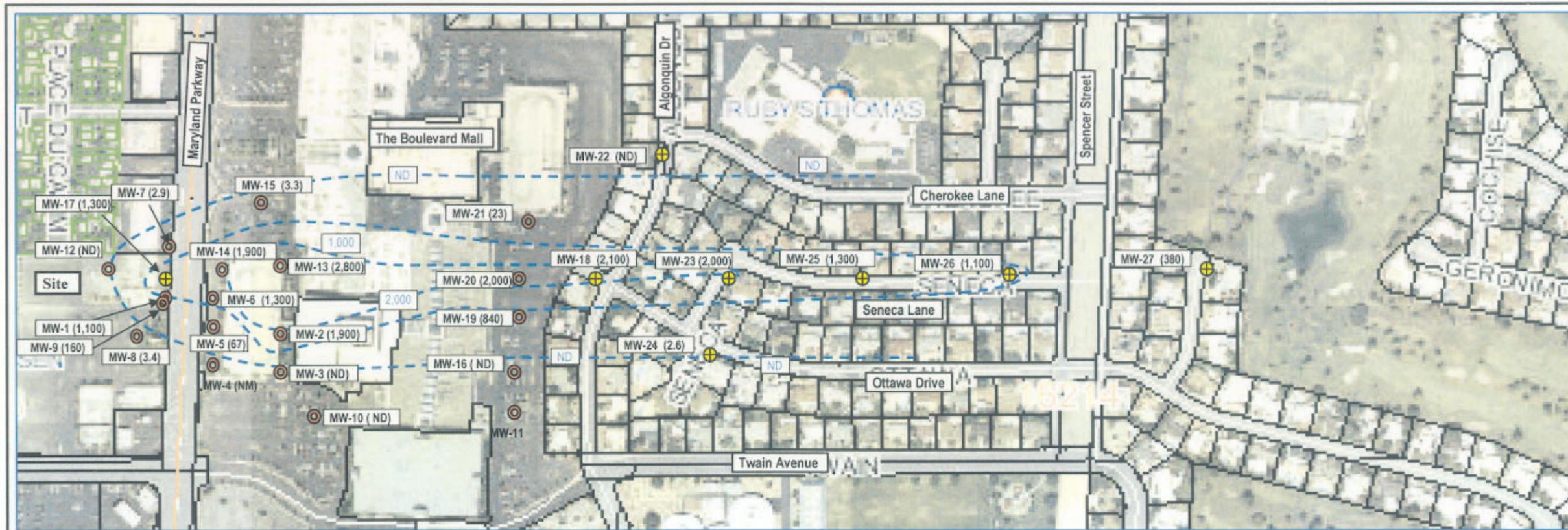


Figure 4A

Figure 4B

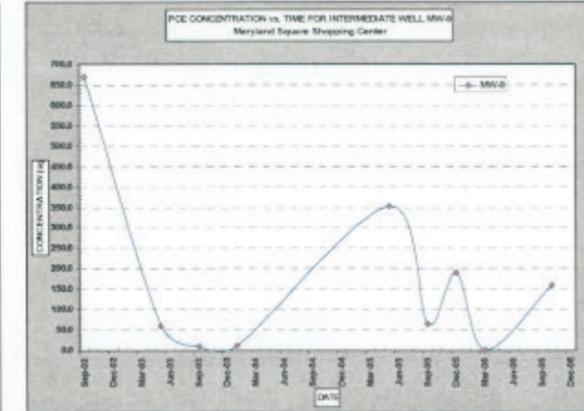
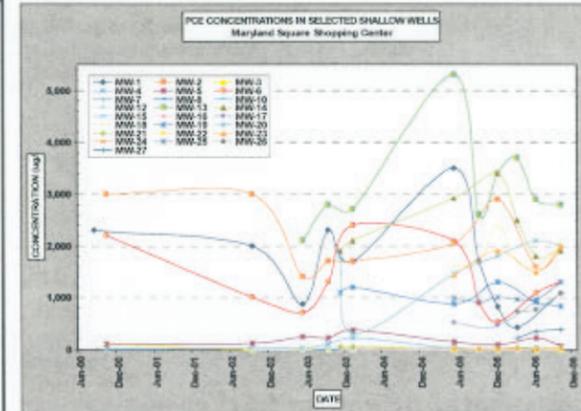




Concentrations of PCE in Monitoring Wells (October 2006)

Well	Concentration	Well	Concentration	Well	Concentration
MW-1	1,100	MW-12	ND	MW-22	ND
MW-2	1,900	MW-13	2,800	MW-23	2,000
MW-3	ND	MW-14	1,900	MW-24	2.6
MW-4	NM	MW-15	3.3	MW-25	1,300
MW-5	67	MW-16	ND	MW-26	1,100
MW-6	1,300	MW-17	1,300	MW-27	380
MW-7	2.9	MW-18	2,100	Intermediate Well	
MW-8	3.4	MW-19	840	Well	Concentration
MW-10	ND	MW-20	2,000	MW-9	160
MW-11	NM	MW-21	23		

Concentrations are in micrograms per liter (ug/L). Federal MCL for PCE in drinking water is 5 ug/L. NM = Not Measured, ND = non-detect.



Source: Clark County Assessors Web Site
Scale: 0Feet — 200 Feet

Legend:

- ⊕ Approximate Location of Monitoring Well Installed by URS.
 - ⊙ Approximate Location of Monitoring Well Installed by Converse.
 - (25) Concentration of PCE Detected in Groundwater Form Monitoring Well (in ug/L)
 - - - Approximate Concentration Contour of PCE in Groundwater
- ND is Non-detect, NS is Not Sampled



SHALLOW MONITORING WELL PCE CONCENTRATIONS AND CONTOURS

3rd Quarter 2006

Al Phillips The Cleaner
Quarterly Groundwater Sampling
Maryland Square Shopping Center
3661 South Maryland Parkway
Las Vegas, Nevada

October 2006
Job No. 26698724
MS Oct 06 Fig5.ppt

FIGURE 5