

GOOD CHEVROLET		
DATE 10-9-92	SCALE 1"=2000'	DRAWN BY deg
LOCATION MAP		
		Figure 1

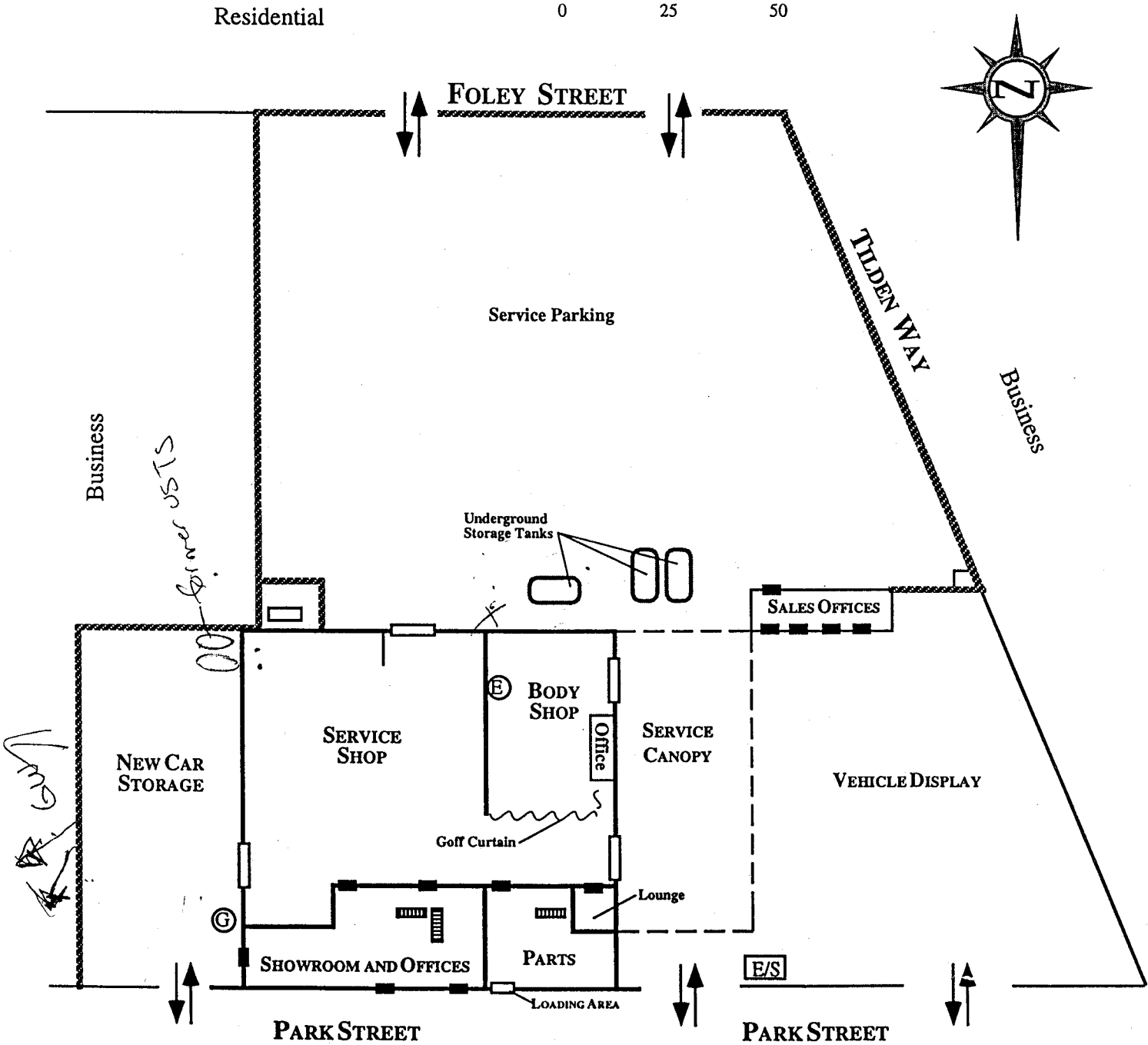
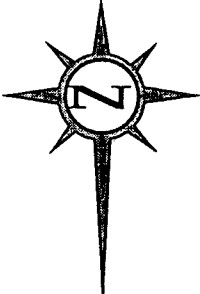
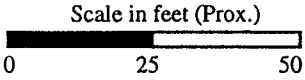
**Good Chevrolet**  
 1630 Park Street  
 Alameda, CA 94501

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Site /Storage Map  
*Confidential*

Map Legend			
▲	- Fire Extinguisher	↔	- Vehicle Entrance
▤	- Stairway	⊕	- Gas Shutoff
+	- First Aid Kit	⊖	- Electrical Shutoff
■	- Doorway	▭	- Fence
□	- Rollup Door	E/S	- Evac. Assembly Pt.

Revised: November, 1996



PARK AVENUE

CHEVROLET  
DEALERSHIP BLDG.

TANK  
PIT  
AREA

⊙ MW3

⊙ MW2

⊕ SB4

FENCE

⊙ MW1

⊕ SB5

LEGEND

- ⊙ MONITORING WELL
- ⊕ SOIL BORING

FIGURE 2  
SITE PLAN



NO SCALE

GOOD CHEVROLET  
ALAMEDA, CALIFORNIA



GROUNDWATER  
TECHNOLOGY

Good Chevrolet  
April 29, 1987

for PCB analysis. The results of the analyses are summarized in Table 1 below and the laboratory reports are presented in Appendix II.

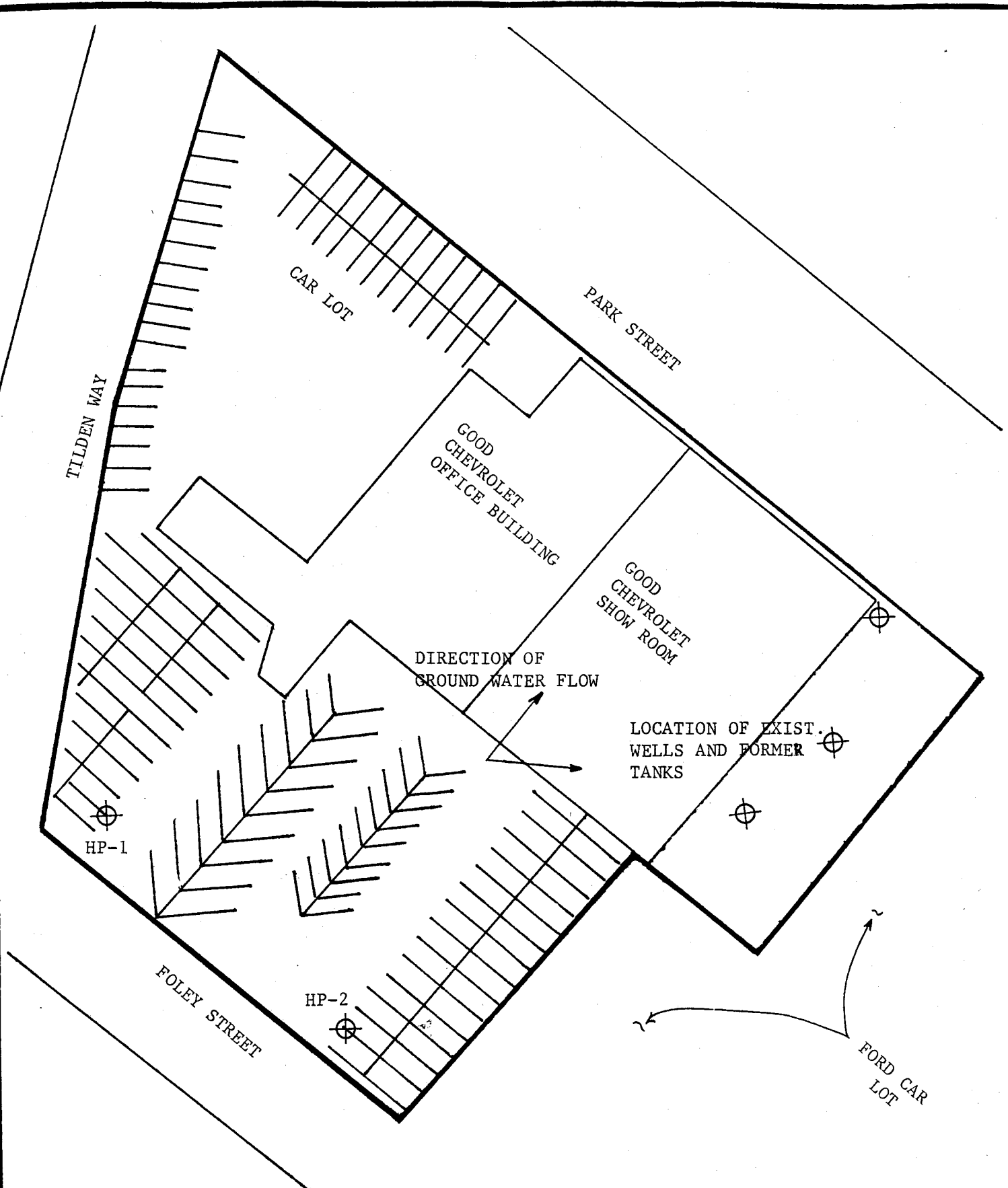
TABLE I  
SOIL ANALYSIS

(ppm)

Sample I.D.	Benzene	Toluene	Xylene	Total Hydrocarbons	Lead	PCB
MW - 1 10'	2.9	3.6	1.8	24	1.3	ND
MW - 1 15'	ND	ND	ND	ND	1.3	ND
MW - 2 5'	ND	ND	ND	ND	.92	ND
MW - 2 10'	14	22	23	350	1.1	ND
MW - 3 10'	9.8	16	16	200	1.1	ND
MW - 3 15'	ND	ND	ND	ND	.74	°
SB - 5 10'	ND	.22	ND	6.5	47	ND

All analyses performed by Sequoia Laboratories, Redwood City, California. For method detection limits, See Appendix II.

\* - Analysis not performed  
ND - Not Detected



HP=HYDROPUNCH BORING LOCATION

GOOD CHEVROLET		
DATE	SCALE 1"=50'	DRAWN BY twf
SITE PLAN		
		Figure 3

GEO Plexus, Inc. 1900 Wyatt Drive, #1 Santa Clara, CA 95054	Client Project ID: #C93013; Good Chevrolet	Date Sampled: 04/23/93
		Date Received: 04/26/93
	Client Contact: David Glick	Date Extracted:
	Client P.O: 93-3024	Date Analyzed: 05/03/93

**Low Boiling Point (C6-C12) TPH\* as Gasoline and BTEX\***

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(G) <sup>+</sup>	Benzene	Toluene	Ethyl Benzene	Xylenes	% Rec. Surrogate
30325	HP1-WS1A,B	W	ND	ND	ND	ND	ND	105
30326	HP2-WS1A,B	W	ND	ND	ND	ND	ND	106
Detection Limit unless otherwise stated; ND means Not Detected	W	50 ug/L	0.5	0.5	0.5	0.5	0.5	
	S	1.0 mg/kg	0.005	0.005	0.005	0.005	0.005	

\*water samples are reported in ug/L and soils in mg/kg  
 # cluttered chromatogram; sample peak co-elutes with surrogate peak  
 + The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) predominately unmodified or weakly modified gasoline; b) heavier gasoline range compounds predominate (aged gasoline?); c) lighter gasoline range compounds predominate (the most mobile gasoline compounds); d) heavy and light gasoline range compounds predominate (aged gasoline together with introduced light compounds?); e) gasoline range compounds predominate; no recognizable pattern; f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds predominate.

*EH* Edward Hamilton, Lab Director

GOOD CHEVROLET  
SHOW ROOM

APPROXIMATE  
LIMITS OF  
PREVIOUS  
EXCAVATION

~~2,200/1,100~~  
120,000/9,600

APPROXIMATE  
LOCATION OF  
FORMER  
STORAGE  
TANKS

SERVICE CENTER

MW-3  
~~200/90 (10')~~

EB5  
~~100/100 (9')~~  
83,000/3,900

MW-2  
~~500/14 (10')~~

EB4  
~~1,100/92 (8')~~

SB4

EB6  
6,800/20 (9')

MW-1  
~~24/29 (10')~~

EB2  
~~16,000/89 (10')~~

EB1  
~~510/89 (9')~~

PROPERTY  
FENCE LINE

ppm Toluene/Benzene - soil  
ppb Toluene/Benzene - GWS

EB7  
1,000/3.8

GOOD CHEVROLET		
DATE 10/25/93	SCALE 1"=10'	DRAWN BY dcg
SITE PLAN		
		Figure 2

No gasoline vapors were detected within the first 8 feet of the borings advanced across the project area; however, moderate to strong gasoline vapors were encountered in the soil borings at depths ranging from 8.5 - 12 feet below the ground surface and appeared to be confined to a medium- to coarse-grained sand lens. The analytical test data indicates that low to moderate concentrations of Total Petroleum Hydrocarbons as gasoline and Volatile Aromatic Compounds exist in the soil samples obtained from the borings as summarized on Table 2 below:

TABLE 2

SUMMARY OF SOIL BORING ANALYTICAL TEST DATA

<u>Sample</u>	<u>Total Petroleum Hydrocarbons</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-Benzene</u>	<u>Total Xylenes</u>
EB1-S2, 8.5-9'	510	0.89	10	5.8	41
EB1-S3, 11-11.5'	2,300	22	190	57	280
EB2-S2, 10-10.5'	15,000	84	710	260	1400
EB2-S3, 11.5-12'	200	4.3	15	3.9	20
EB3-S2, 10-10.5'	2,200	9.4	71	42	200
EB3-S3, 12.5-13'	610	1.2	3.2	4.5	2.9
EB4-S2, 8-8.5'	4,900	32	230	84	440
EB4-S3, 10.5-11'	7,600	60	390	130	630
EB5-S2, 9-9.5'	1,800	N.D.	22	27	140
EB5-S3, 11.5-12'	14	0.021	1.5	0.49	2.5
EB6-S2, 8.5-9'	6,800	20	230	100	590
EB7-S2, 6.5-7'	N.D.	N.D.	N.D.	N.D.	N.D.
EB7-S3, 8.5-9'	1,000	3.8	45	21	110

Notes: Concentrations reported as Parts Per Million (mg/kg).  
 N.D. indicates that concentrations below detection limit.

The highest concentrations of gasoline were obtained at a depth of 10-10.5 feet in Boring EB-2 located between the former tank and the former dispenser pump (see Figure 4). The remaining samples indicate that the soil contamination extends in a radial pattern (cross- and down-gradient) from the former tank area with concentrations of 1,000 parts per million in the soil in Boring EB-5 (located adjacent to the down-gradient property boundary). The large extent of the contamination appears to be a direct result of dispersion of the gasoline products with fluctuations in ground water levels of the project area. The analytical test data suggests that the soil contamination extends off-site to the adjacent property (Winner Ford) and beneath Park Street.



The "grab" water samples collected from Borings EB-3 and EB-5 both contained high concentrations of Total Petroleum Hydrocarbons as gasoline and Volatile Aromatic Compounds (Benzene, Toluene, Ethyl Benzene, and Xylene). Table 3 summarizes the results of the analytical test data for the water samples along with the results from the three on-site monitoring wells:

TABLE 3

SUMMARY OF GROUND WATER SAMPLE ANALYTICAL TEST DATA

<u>Sample</u>	<u>Total Petroleum Hydrocarbons</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-Benzene</u>	<u>Total Xylenes</u>
Soil Borings					
EB3-WS1	120,000	9,600	20,000	3,400	14,000
EB5-WS1	83,000	3,900	15,000	3,100	13,000
Monitoring Wells					
MW-1	3,700	1,400	43	94	36
MW-2	17,000	3,900	870	500	940
MW-3	11,000	3,500	580	430	370

Note: Concentrations in Parts per Billion (ug/l).

The analytical test data indicates high concentrations of Petroleum Compounds in the ground water in the water sample located between the former tank and dispensing pump (sample EB3-WS1). High concentrations of Petroleum Compounds were also detected in sample EB5-WS1 obtained from the down-gradient soil boring. The concentrations detected are higher than the concentrations detected in the on-site monitoring wells, in-part by the method of sampling which results in high suspended particles in the water samples. The analytical test data suggests that the ground water contamination also extends off-site to the adjacent property (Winner Ford) and beneath Park Street.

The investigations performed at the project site to-date suggest that the source of the hydrocarbon compounds detected in the ground water have originated, at least in-part, from the former underground gasoline storage tank, from the former dispenser pump, from leaks in the former piping systems, or by combinations of these.

TABLE 1

SUMMARY OF SOIL BORING ANALYTICAL TEST DATA

<u>Sample</u>	<u>Total Petroleum Hydrocarbons</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-Benzene</u>	<u>Total Xylenes</u>
MW4-S1, 4.5-6'	N.D.	N.D.	N.D.	N.D.	0.013
MW4-S2, 9-10.5'	9.7	1.1	0.82	0.42	1.3
MW4-S3, 14-15.5'	N.D.	N.D.	0.008	N.D.	0.022
MW5-S1, 4.5-6'	N.D.	N.D.	N.D.	N.D.	N.D.
MW5-S2, 9-10.5'	1,100	12	43	20	93
MW5-S3, 14-15.5'	1.1	0.033	0.17	0.044	0.22

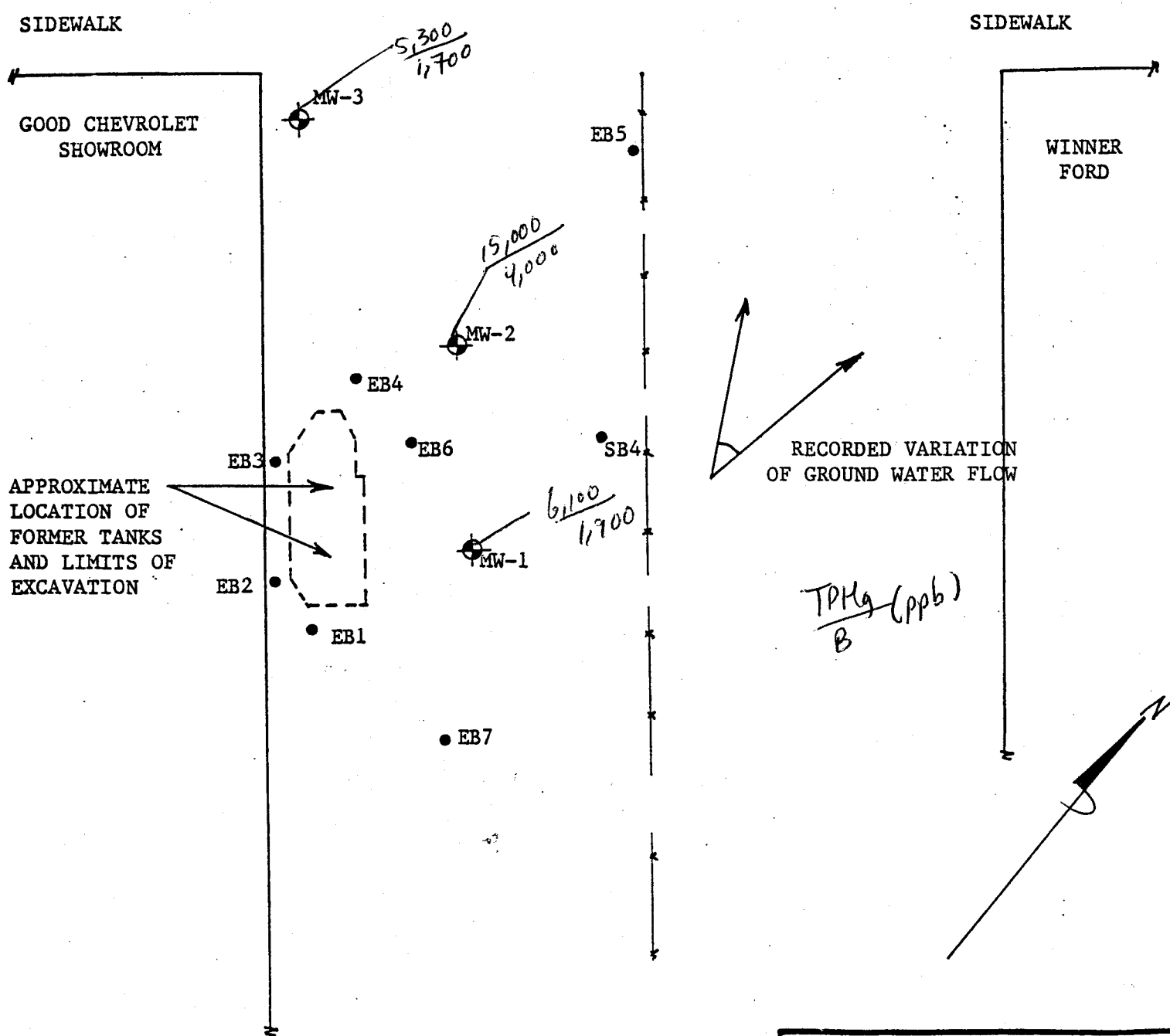
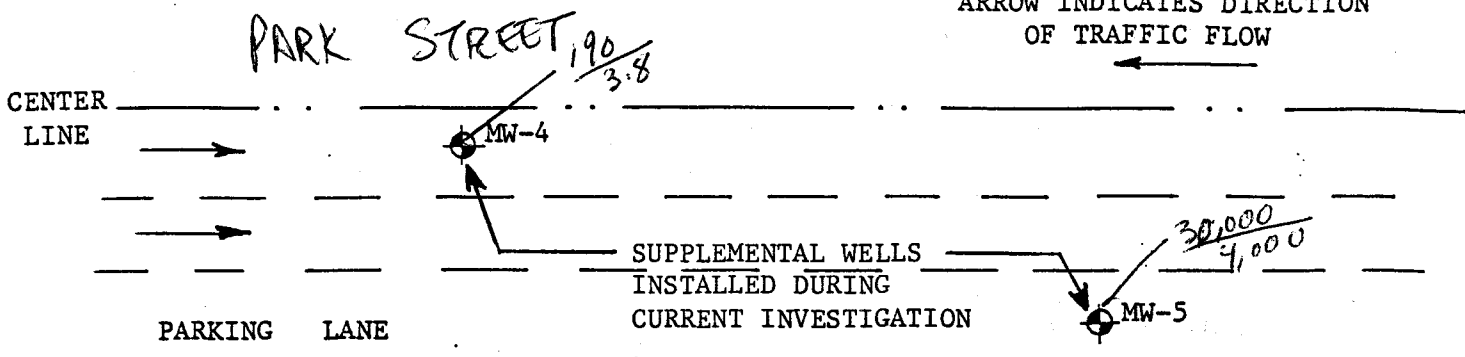
Notes: Concentrations reported as parts per million (mg/kg).  
N.D. indicates that concentrations below detection limit.

The analytical test results for the ground water samples obtained for this sampling event detected reportable quantities of Total Petroleum Hydrocarbons as gasoline and Volatile Aromatic Compounds (Benzene, Toluene, Ethyl Benzene, and Xylene) for the samples from Monitoring Wells MW-1, MW-2, MW-3, MW-4 and MW-5.

Total Petroleum Hydrocarbons as gasoline concentrations ranged from 5,300 to 15,000 parts per billion (ppb) on-site to 190 ppb in Monitoring Well MW-4 (in center of Park Street) to 30,000 ppb in Monitoring Well MW-5 located in Park Street down-gradient of the site. Benzene concentrations ranged from 1,700 to 4,000 ppb on-site to 3.8 ppb in Monitoring Well MW-4 (located in Park Street).

Table 2 summarizes the current analytical test results along with the results of the previous analytical testing.

ARROW INDICATES DIRECTION OF TRAFFIC FLOW



GOOD CHEVROLET		
DATE 5/4/94	SCALE 1"=20'	DRAWN BY dcg
SUPPLEMENTAL WELL LOCATION PLA		
		Figure 3

**ANALYTICAL TESTING**

The soil and ground water samples were submitted to and tested by McCampbell Analytical, Inc., a State of California certified laboratory. Analytical testing was scheduled and performed in accordance with the State of California, Regional Water Quality Control Board and Alameda County Department of Environmental Health Guidelines. The samples were tested for Total Petroleum Hydrocarbons as gasoline by Method GCFID 5030/8015 and Volatile Aromatic Compounds (BTEX and MTBE) by EPA Method 8020/5030. The Chain-of-Custody Form and analytical test data are attached in Appendix B.

The analytical test data for the geo-probe soil and ground water samples are summarized on Tables 1 and 2, respectfully. Table 3 summarizes the current analytical test results for the monitoring well samples, along with the results of the previous analytical testing.

**TABLE 1**  
**GEO-PROBE SOIL ANALYTICAL TEST DATA**

<u>Sample</u>	<u>Total Petroleum Hydrocarbons</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-Benzene</u>	<u>Total Xylenes</u>	<u>MTBE</u>
EB8-S2, 9.5-10'	2,000	8.4	83	44	210	ND
EB8-S3, 13.5-14'	18	3.2	1.2	0.47	1.7	0.10
EB9-S1, 6.5-7'	1.8	0.071	0.052	0.026	0.074	ND
EB9-S2, 9.5-10'	1,300	7.1	54	29	130	ND
EB10-S1, 8.5-9'	2,300	9.1	100	50	190	9.3
EB11-S1, 9.5-10'	3,800	8.8	190	97	510	ND
EB11-S2, 12-12.5'	13	1.1	1.6	0.47	1.4	ND
EB12-S1, 9.5-10'	300	0.95	0.59	3.5	18	ND
EB12-S2, 12-12.5'	1,300	9.4	23	35	130	6.2

*soil sample were collected below GW Text says Gt at 11-13' bc*

Notes: Concentrations reported as Parts Per Million (mg/kg).  
 ND indicates that concentrations below detection limit.

**TABLE 2**  
**GEO-PROBE GROUND WATER ANALYTICAL TEST DATA**

<u>Sample</u>	<u>Total Petroleum Hydrocarbons</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-Benzene</u>	<u>Total Xylenes</u>	<u>MTBE</u>
EB8-WS1	25,000	2,600	3,200	780	3,600	ND<80
EB10-WS1	81,000	13,000	12,000	3,300	8,000	ND<370
EB11-WS1	49,000	6,900	6,000	2,100	4,600	ND<180
EB12-WS1	38,000	1,400	1,400	1,800	7,400	110
P1-WS1	74,000	1,100	5,800	3,800	18,000	ND<78
P2-WS1	6,800	2,200	290	310	560	ND<10
P3-WS1	220	1.9	17	10	49	ND

Notes: Concentrations reported as Parts Per Billion (ug/l).  
 ND indicates that concentrations below detection limit.

ARROW INDICATES DIRECTION OF TRAFFIC FLOW

CENTER LINE

PARKING LANE

SIDEWALK

SIDEWALK

GOOD CHEVROLET SHOWROOM

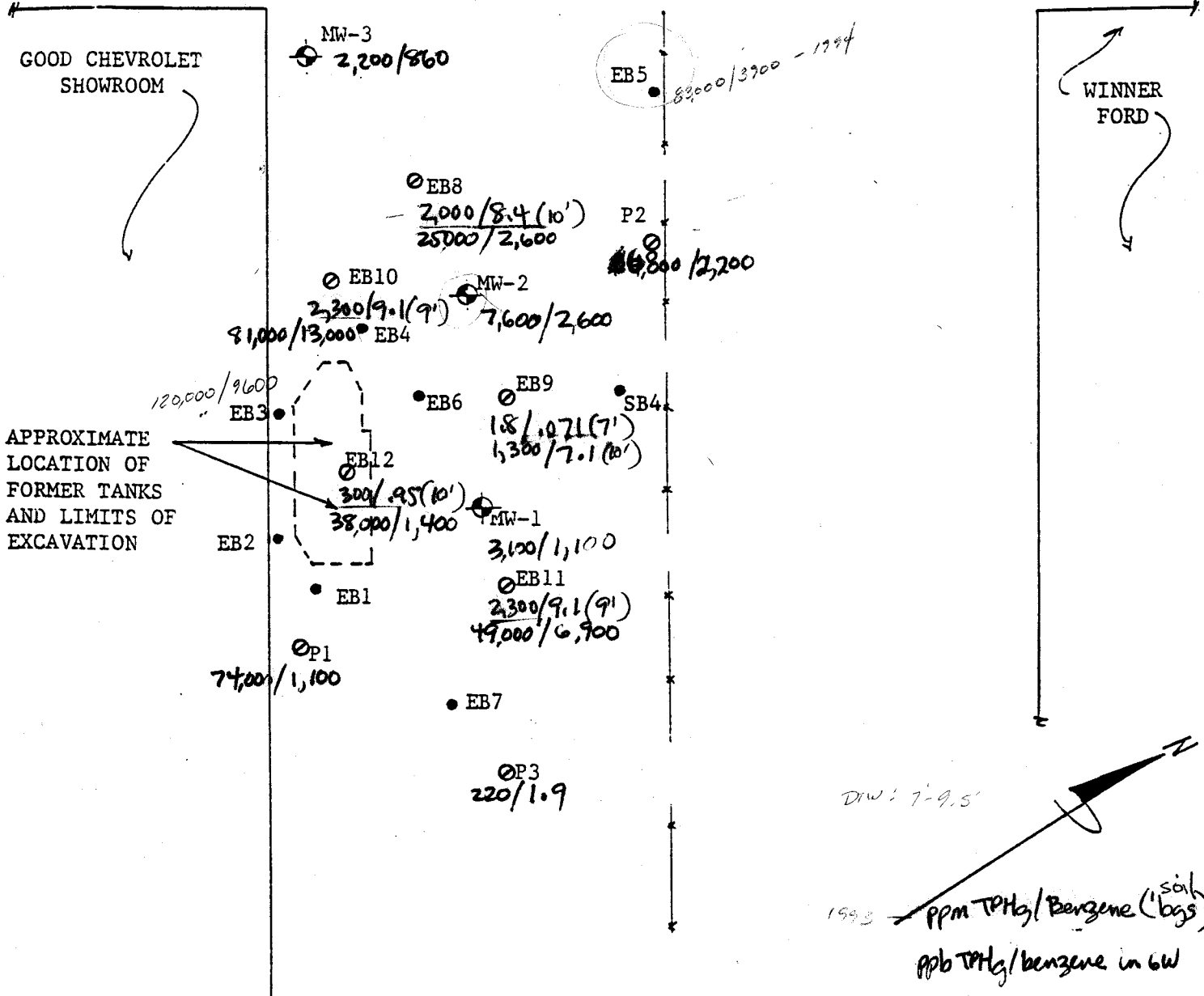
WINNER FORD

APPROXIMATE LOCATION OF FORMER TANKS AND LIMITS OF EXCAVATION

- ⊕ Monitoring Wells
- Borings Previous Studies
- ⊙ Borings Current Study

GeoPlexus, Inc.

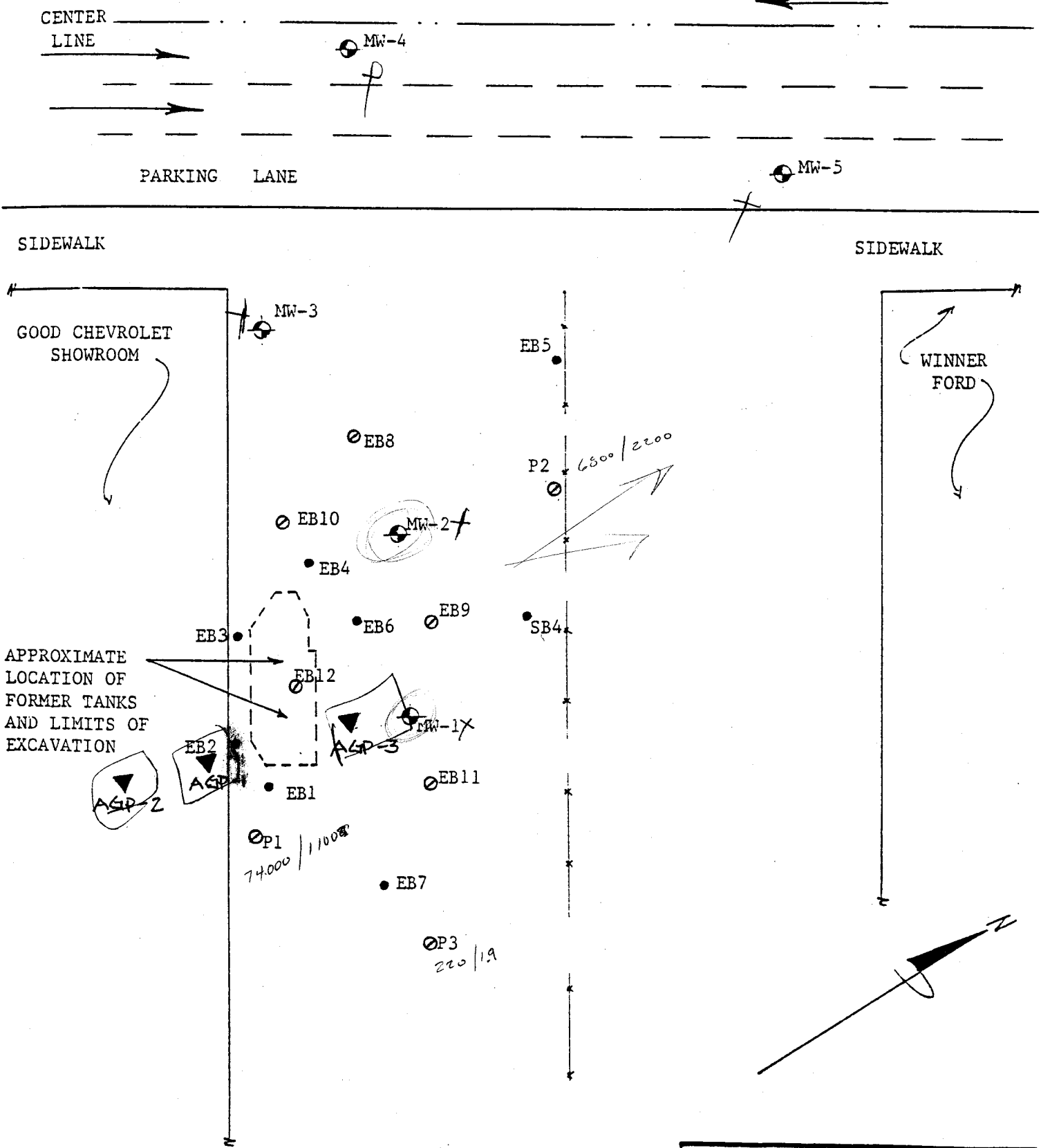
GOOD CHEVROLET		
DATE 1/21/97	SCALE 1"=20'	DRAWN BY dcb
BORING LOCATION PLAN		
		Figure 3



DW: 7-9.5'

1993 PPM TPH<sub>3</sub>/Benzene (soil bags)  
ppb TPH<sub>3</sub>/benzene in GW

ARROW INDICATES DIRECTION OF TRAFFIC FLOW



APPROXIMATE LOCATION OF FORMER TANKS AND LIMITS OF EXCAVATION

- ⊕ Monitoring Wells
- Borings Previous Studies
- Borings Previous Study 1/97

**GeoPlexus, Inc.**

GOOD CHEVROLET		
DATE 12/5/98	SCALE 1"=20'	DRAWN BY dcg
SOIL GAS PROBE LOCATION PLAN		
		Figure 4

The summa canisters were verified for integrity prior to connection to the gas probe. After initial purging of the connecting tube, the valve on the summa canister was opened to allow the air sample to enter the canister. The valve was closed upon a reduction in canister vacuum to approximately 4-in. of Hg. and was then sealed. Each canister was properly labeled including: the date, time, sample location (boring number and depth interval), initial and final vacuum pressures, and project number. The samples were placed in a padded shipping container immediately for transport to the laboratory under chain-of-custody documentation.

The probes holes were grouted with a neat bentonite-cement slurry mixed at the project site.

**3.2 SOIL GAS ANALYTICAL TESTING**

The air samples were submitted to and tested by Air Toxics, Ltd., a State of California, Department of Health Services certified testing laboratory as directed by Alameda County personnel. Analytical testing was scheduled and performed in accordance with the State of California and Alameda County protocols. The samples were tested for:

- Total Petroleum Hydrocarbons as gasoline by EPA Method TO-3 and
- Volatile Aromatics (BTEX and MTBE) by EPA Method TO-3

The Chain-of-Custody Form and analytical test data are attached in Appendix A.

The analytical test data for the summa canister air samples are summarized on Table 1:

**TABLE 1**  
**GAS-PROBE AIR ANALYTICAL TEST DATA**

Sample	Total Petroleum Hydrocarbons	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE
AGP-1	0.46*	0.012	0.030	0.0041	0.022	0.0058
AGP-2	0.73*	0.011	0.091	0.011	0.055	0.032
AGP-3	0.42*	ND	0.045	0.013	0.020	0.014

	ppmv	ppbv	ug/m <sup>3</sup> (x3.25)
Benzene	.012	12	39 (x3.25)
Toluene	.091	91	399 (x3.83)
Ethyl-B	.013	13	57 (x4.4)
Xylene	.055	55	179 (x4.4)

ported as Parts Per Million (ppmv).  
 ratory Blank Sample Contained Benzene at 0.017 ppmv  
 concentrations below detection limit.

0.387 ppm / 10<sup>-5</sup>

*When benzene concentrations  
 are averaged, the PSSLs are  
 still exceeded.*

**TABLE 1**  
**SUMMARY OF GROUND WATER ANALYTICAL TEST DATA**

Date Sample	Total Petroleum Hydrocarbons	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE
<b>Monitoring Well MW-1</b>						
1-21-87 <sup>(1)</sup>	21,020	1,148	8,627	1,792	6,012	
1-11-89 <sup>(1)</sup>	1,400	74	10	13	5	
7-12-89 <sup>(1)</sup>	1,200	470	49	45	33	
4-09-91 <sup>(2)</sup>	850	260	10	15	12	
7-14-92 <sup>(3)</sup>	13,000	2,300	1,200	1,200	1,200	
10-7-92 <sup>(3)</sup>	3,600	1,600	80	120	120	
1-11-93 <sup>(3)</sup>	1,200	410	16	23	19	
4-23-93 <sup>(3)</sup>	2,200	720	180	82	150	
7-08-93 <sup>(3)</sup>	3,200	1,200	110	97	100	
10-15-93 <sup>(3)</sup>	3,700	1,400	43	94	36	
1-25-94 <sup>(3)</sup>	1,600	680	16	41	35	
4-28-94 <sup>(3)</sup>	6,100	1,900	380	250	340	
7-27-94 <sup>(3)</sup>	6,000	1,800	510	220	450	
10-27-94 <sup>(3)</sup>	3,000	1,100	79	82	87	
1-26-95 <sup>(3)</sup>	1,600	660	100	82	87	
4-13-95 <sup>(3)</sup>	3,800	1,200	270	120	260	
7-21-95 <sup>(3)</sup>	5,200	1,500	450	190	400	
10-25-95 <sup>(3)</sup>	5,900	1,800	450	210	400	
1-21-97 <sup>(3)</sup>	3,100	710	87	160	180	ND<7.3
11-12-98 <sup>(3)</sup>	1,000	300	3.0	3.3	7.9	ND<30
1-16-01 <sup>(3)</sup>	4,700	1,200	18	150	49	ND<5

**Monitoring Well MW-2**

1-21-87 <sup>(1)</sup>	5,018	386	1,981	285	1,432
1-11-89 <sup>(1)</sup>	10,000	3,000	410	240	190
7-12-89 <sup>(1)</sup>	7,600	2,700	540	250	320
4-09-91 <sup>(2)</sup>	4,900	910	210	130	200
7-14-92 <sup>(3)</sup>	13,000	4,400	1,500	610	1,100
10-7-92 <sup>(3)</sup>	11,000	5,200	1,500	500	1,200
1-11-93 <sup>(3)</sup>	17,000	940	1,100	480	930
4-23-93 <sup>(3)</sup>	52,000	13,000	8,400	1,700	5,300
7-08-93 <sup>(3)</sup>	6,400	2,500	470	280	530
10-15-93 <sup>(3)</sup>	17,000	3,900	870	500	940
1-25-94 <sup>(3)</sup>	16,000	5,400	1,140	640	1,500
4-28-94 <sup>(3)</sup>	15,000	4,000	910	480	1,200
7-27-94 <sup>(3)</sup>	18,000	6,000	760	630	1,600
10-27-94 <sup>(3)</sup>	9,500	2,700	230	320	640



**TABLE 1 (cont'd)**  
**SUMMARY OF GROUND WATER ANALYTICAL TEST DATA**

Date Sample	Total Petroleum Hydrocarbons	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE
<b>Monitoring Well MW-2 (cont'd)</b>						
1-26-95 <sup>(3)</sup>	5,900	1,900	290	230	500	
4-13-95 <sup>(3)</sup>	10,000	3,300	620	360	930	
7-21-95 <sup>(3)</sup>	9,900	3,300	320	390	830	
10-25-95 <sup>(3)</sup>	13,000	4,700	400	580	990	
1-21-97 <sup>(3)</sup>	7,600	2,500	310	330	660	ND<20
11-12-98 <sup>(3)</sup>	31,000	10,200	750	1,500	2,300	ND<900
1-16-01 <sup>(3)</sup>	23,000	8,200	260	1,000	820	ND<30
<b>Monitoring Well MW-3</b>						
1-21-87 <sup>(1)</sup>	10,287	1,428	3,281	610	2,761	
1-11-89 <sup>(1)</sup>	5,300	1,800	340	150	160	
7-12-89 <sup>(1)</sup>	7,800	3,100	900	300	480	
4-09-91 <sup>(2)</sup>	9,400	1,400	730	200	510	
7-14-92 <sup>(3)</sup>	17,000	3,500	390	390	260	
10-7-92 <sup>(3)</sup>	9,200	4,300	470	390	610	
1-11-93 <sup>(3)</sup>	2,000	740	29	58	28	
4-23-93 <sup>(3)</sup>	6,500	2,600	280	260	190	
7-08-93 <sup>(3)</sup>	5,200	2,100	260	250	180	
10-15-93 <sup>(3)</sup>	11,000	3,500	580	430	370	
1-25-94 <sup>(3)</sup>	6,200	2,500	270	160	28	
4-28-94 <sup>(3)</sup>	5,300	1,700	190	210	180	
7-27-94 <sup>(3)</sup>	5,900	2,000	360	260	330	
10-27-94 <sup>(3)</sup>	8,000	2,200	580	260	470	
1-26-95 <sup>(3)</sup>	3,700	1,200	150	150	190	
4-13-95 <sup>(3)</sup>	4,000	1,400	200	180	210	
7-21-95 <sup>(3)</sup>	5,700	2,000	280	270	280	
10-25-95 <sup>(3)</sup>	11,000	3,700	1,100	460	680	
1-21-97 <sup>(3)</sup>	2,200	750	63	71	80	ND
11-12-98 <sup>(3)</sup>	180	4	0.51	ND	0.92	ND<20
1-16-01 <sup>(3)</sup>	64	11	0.77	ND	ND	ND<5

**TABLE 2 (cont'd)**  
**SUMMARY OF GROUND WATER ANALYTICAL TEST DATA**

Date Sample	Total Petroleum Hydrocarbons	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE
<b>Monitoring Well MW-4</b>						
4-28-94 <sup>(3)</sup>	190	3.8	2.9	2.1	3.1	
7-27-94 <sup>(3)</sup>	180	15	9.2	7.6	28	
10-27-94 <sup>(3)</sup>	130	8.6	6.6	4.5	17	
1-26-95 <sup>(3)</sup>	110	6.5	1.2	1.8	11	
4-13-95 <sup>(3)</sup>	82	3.9	N.D.	N.D.	2.5	
7-21-95 <sup>(3)</sup>	130	8.8	1.3	4.5	7.6	
10-25-95 <sup>(3)</sup>	95	6.6	1.7	4.3	7.0	
1-21-97 <sup>(3)</sup>	not sampled					
11-12-98 <sup>(3)</sup>	not sampled					
1-16-01 <sup>(3)</sup>	not accessible					
<b>Monitoring Well MW-5</b>						
4-28-94 <sup>(3)</sup>	30,000	4,000	3,000	810	3,500	
7-27-94 <sup>(3)</sup>	9,300	2,000	800	290	940	
10-27-94 <sup>(3)</sup>	15,000	2,700	1,300	420	1,100	
1-26-95 <sup>(3)</sup>	7,900	2,100	680	240	860	
4-13-95 <sup>(3)</sup>	7,900	2,400	580	340	630	
7-21-95 <sup>(3)</sup>	11,000	3,400	760	610	1,200	
10-25-95 <sup>(3)</sup>	13,000	2,900	830	570	1,100	
1-21-97 <sup>(3)</sup>	2,600	750	65	1860	280	ND
11-12-98 <sup>(3)</sup>	ND	2.2	ND	ND	ND	ND
1-16-01 <sup>(3)</sup>	ND	11	ND	ND	0.82	ND<5

Note: (1) Concentrations reported by Groundwater Technology, Inc.  
 (2) Concentrations reported by Environmental Science & Engineering, Inc.  
 (3) Samples obtained and reported by Geo Plexus, Inc.

Figures 6 and 7 indicate the concentration distribution maps for Total Petroleum Hydrocarbons as gasoline and Benzene, respectively.

avg conc in mw-1, -2 and -3 over past 4 sampling events ;  
 benzene conc. is  $\frac{35495}{12} = 2957.92 \approx 3,000 \text{ppb}$

RBSLs are still exceeded.

Site Name: Good Chevrolet

Completed By: Cathrene Glick

Site Location: 1630 Park Street, Alameda, CA

Date Completed: 12/10/1998

1 OF 1

**SUBSURFACE SOIL SSTL VALUES  
(> 3 FT BGS)**

Target Risk (Class A &amp; B) 1.0E-4

 MCL exposure limit?

Calculation Option: 3

Target Risk (Class C) 1.0E-4

 PEL exposure limit?

Target Hazard Quotient 1.0E+0

**SSTL Results For Complete Exposure Pathways ("X" if Complete)**

CONSTITUENTS OF CONCERN		Representative Concentration (mg/kg)	Soil Leaching to Groundwater			Soil Volatilization to Indoor Air		Soil Volatilization to Outdoor Air		Applicable SSTL (mg/kg)	SSTL Exceeded ? "■" If yes	Required CRF Only if "yes" left
			X	Residential: 1500 feet	Commercial: (on-site)	Regulatory(MCL): (on-site)	X	Residential: (on-site)	Commercial: (on-site)			
71-43-2	Benzene	8.6E+0	1.4E+0	4.5E+0	NA	NA	7.6E-1	1.7E+2	2.0E+2	7.6E-1	■	1.1E+01
100-41-4	Ethylbenzene	5.1E+1	3.7E+1	1.0E+2	NA	NA	1.3E+2	>Res	>Res	3.7E+1	■	1.0E+00
1634-04-4	Methyl t-Butyl Ether	3.1E+0	3.4E-1	9.4E-1	NA	NA	6.3E+2	>Res	>Res	3.4E-1	■	9.0E+00
108-88-3	Toluene	9.0E+1	1.0E+2	2.8E+2	NA	NA	5.4E+1	>Res	>Res	5.4E+1	■	2.0E+00
1330-20-7	Xylene (mixed isomers)	2.3E+2	>Res	>Res	NA	NA	>Res	>Res	>Res	>Res	□	<1

Site Name: Good Chevrolet

Completed By: Cathrene Glick

1 OF 1

Site Location: 1630 Park Street, Alameda, CA

Date Completed: 12/10/1998

## GROUNDWATER SSTL VALUES

Target Risk (Class A &amp; B) 1.0E-4

 MCL exposure limit?

Calculation Option: 3

Target Risk (Class C) 1.0E-4

 PEL exposure limit?

Target Hazard Quotient 1.0E+0

## SSTL Results For Complete Exposure Pathways ("x" if Complete)

CONSTITUENTS OF CONCERN		Representative Concentration	X Groundwater Ingestion			X Groundwater Volatilization to Indoor Air		X Groundwater Volatilization to Outdoor Air		Applicable SSTL	SSTL Exceeded?	Required CRF
			Residential: 1500 feet	Commercial: (on-site)	Regulatory(MCL): (on-site)	Residential: (on-site)	Commercial: (on-site)	Residential (on-site)	Commercial: (on-site)			
CAS No.	Name	(mg/L)							(mg/L)	■ If yes	Only if "yes" left	
71-43-2	Benzene	4.5E+0	2.9E-1	9.9E-1	NA	NA	1.2E+0	NA	2.9E-1	■	1.5E+01	
100-41-4	Ethylbenzene	5.7E-1	3.7E+0	1.0E+1	NA	NA	>Sol	NA	3.7E+0	<input type="checkbox"/>	<1	
1634-04-4	Methyl t-Butyl Ether	2.0E-2	1.8E-1	5.1E-1	NA	NA	3.6E+3	NA	1.8E-1	<input type="checkbox"/>	<1	
108-88-3	Toluene	4.5E-1	7.3E+0	2.0E+1	NA	NA	8.0E+1	NA	7.3E+0	<input type="checkbox"/>	<1	
1330-20-7	Xylene (mixed isomers)	1.0E+0	7.3E+1	>Sol	NA	NA	>Sol	NA	7.3E+1	<input type="checkbox"/>	<1	

Software: GSI RBCA Spreadsheet  
Version: v 1.0

Serial: G-265-VHX-686