

FRANK LEE AND ASSOCIATES

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Mr. Tommy Chiu

Continental Homes, Inc.

812 5th Avenue

Oakland, California

Subject: **TRANSMITTAL OF GROUND WATER LEVEL MEASUREMENTS**

Former Service Station

800 Franklin Street

Oakland, California

Dear Mr. Chiu:

The water levels in all five existing ground water monitoring wells at the site were measured at the time that they were sampled on October 7, 1993 by Bentley Environmental Services personnel. These measurements were done in accordance with established protocols for the site.

The attachments to this letter show the results of the water level measurements, and summarize the known gradient history of the site. This latest set of measurements shows MW-3 at a significantly higher absolute and relative elevation than all previous measurements. The reason for this is unclear, but may be due to local recharge or withdrawal. Error in measurement can also not be ruled out. The resulting gradient analyses show a relative trough between MW-2 and MW-5. Three-point solutions using MW-2, -4, and -5 are consistent with most previously measured gradient directions and magnitudes measured at the site. Given the ground water elevation contours shown on Plate 1, three-point solutions involving all of the measured wells are inconsistent. The distribution of the contaminants (documented in our letter of October 22, 1993), shows a significant drop at MW-3, with MW-2 remaining about the same, and is only marginally consistent with the directions of ground water flow indicated by the ground water elevation contours.

Please do not hesitate to call us if you have any questions. Thank you.

Respectfully submitted,

FRANK LEE AND ASSOCIATES



Frank Lee

Professional Engineer C34975

President

Attachments (3)

Distribution: 2 copies - Addressee
1 copy - Ms. Jennifer Eberle, Alameda County, Department of
Environmental Health, Hazardous Materials Division

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TABLE 2
 COMPILATION OF
 COMPOUND CONCENTRATIONS (in ppm) IN GROUNDWATER SAMPLES
 800 Franklin Street, Oakland, California

Well (Smpl Date)	TPHg	Wst Oil	TPHd	Benzene	Toluene	Eth Benz	Xylenes	DCA (ppb)
MW1	10/12/89	ND	ND	-	ND	ND	ND	8.6
	10/31/91	0.630	1.7	0.96	0.003	ND	0.130	0.0098
	10/21/92	0.520	-	-	0.078	0.038	0.120	ND
	02/25/93	1.600	-	-	0.160	0.190	0.034	0.350
	04/27/93	0.380	-	-	0.005	ND	ND	0.074
	10/07/93	1.000	-	-	0.081	0.150	0.047	0.230
MW2	10/12/89	38.000	3.9	-	1.300	1.200	ND	4.700
	10/31/91	10.000	ND	1.5	1.800	1.200	0.270	0.960
	10/21/92	270.000	-	-	9.700	4.540	9.600	56.000
	02/25/93	49.000	-	-	4.300	11.000	1.300	9.100
	04/27/93	39.000	-	-	1.400	4.000	0.220	5.200
	10/07/93	50.000	-	-	2.700	8.100	0.940	7.800
MW3	10/12/89	87.000	4.5	-	3.200	8.800	ND	6.500
	10/31/91	310.000	ND	25	9.300	25.000	5.600	27.000
	10/21/92	22.000	-	-	10.000	4.300	0.790	2.100
	02/25/93	29.000	-	-	8.400	5.400	1.300	3.300
	04/27/93	50.000	-	-	8.200	8.700	1.000	5.400
	10/07/93	1.700	-	-	3.100	3.700	0.400	1.700
MW4	10/31/91	ND	ND	ND	ND	ND	ND	ND
	10/21/92	0.410	-	-	0.003	0.029	0.007	0.047
	02/25/93	0.170	-	-	ND	ND	ND	ND
	04/27/93	0.100	-	-	ND	ND	ND	0.001
	10/07/93	0.240	-	-	ND	ND	ND	ND
MW5	10/31/91	ND	ND	ND	ND	ND	ND	ND
	10/21/92	0.840	-	-	0.017	0.120	0.039	0.180
	02/25/93	ND	-	-	ND	ND	ND	ND
	04/27/93	0.260	-	-	0.053	0.019	0.001	0.002
	10/07/93	ND	-	-	ND	ND	ND	ND

ND Not Detected

- Not Analyzed

Values rounded-off to three decimal places where necessary. See laboratory data sheets for exact reported values. Testing 10/12/89 and 10/31/91 as reported by Miller Environmental Company. Testing 10/21/92, 2/25/93, and 4/27/93 as reported by KDM Environmental.

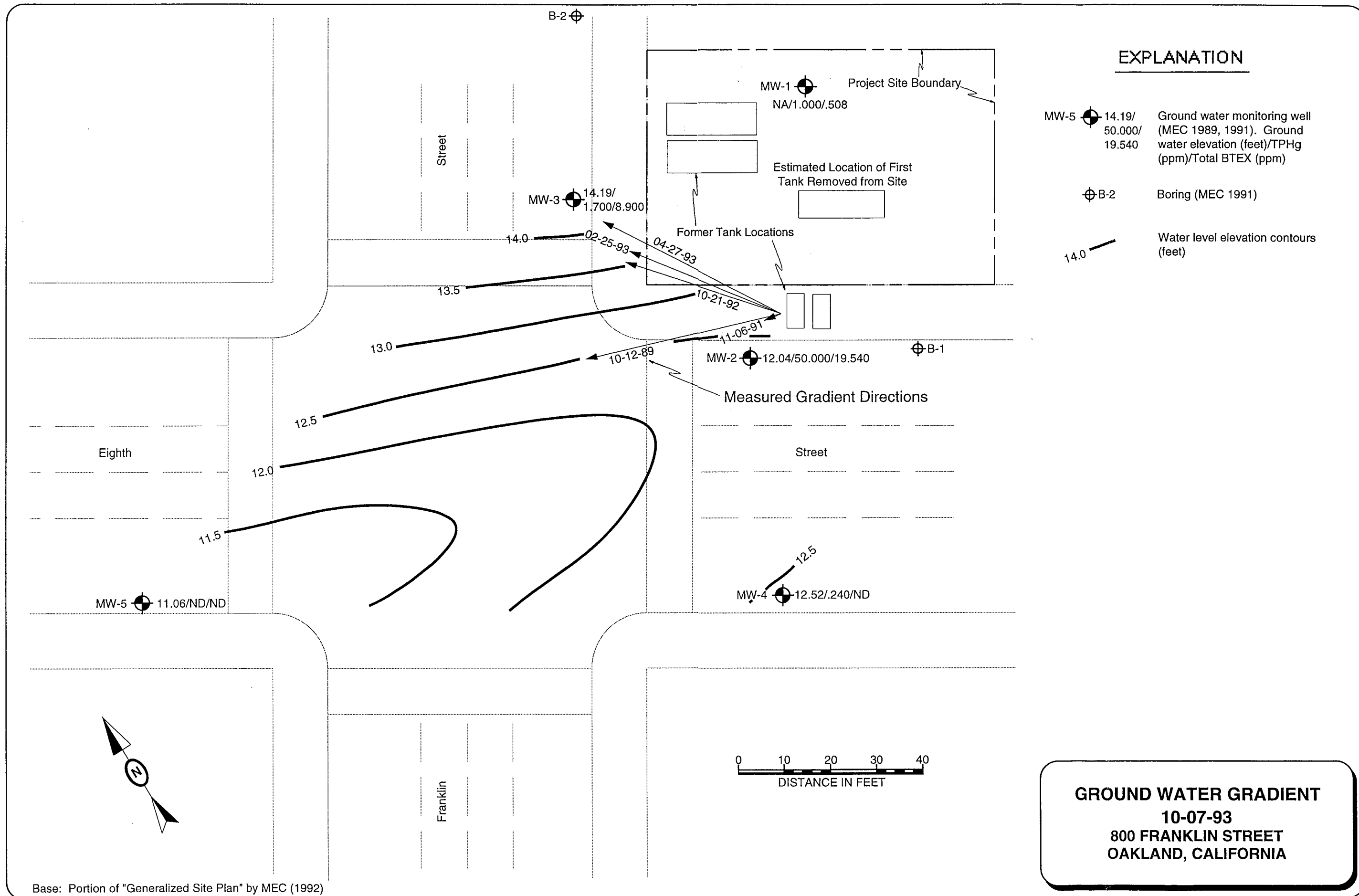
TABLE 1
 COMPILATION OF
 GROUNDWATER ELEVATIONS IN GROUNDWATER MONITORING WELLS
 800 Franklin Street, Oakland, California

Well	Top of Casing	10/12/89**	11/06/91**	10/21/92	02/25/93	04/27/93	10/07/93
MW1	33.42*	10.55	-	-	-	-	-
MW2	33.66	10.40	9.64	11.24	12.16	12.40	12.04
MW3	34.23	10.21	10.71	10.91	11.72	11.86	14.19
MW4	33.64	-	10.32	11.54	12.51	12.90	12.52
MW5	33.56	-	9.56	10.32	11.16	11.41	11.06

* Top of casing destroyed between 10/12/89 and 11/6/91

** Reported by Miller Environmental Company (1992)

Datum is Mean Sea Level, based on surveying by LLS Jeffery D. Black, 11/05/91



Base: Portion of "Generalized Site Plan" by MEC (1992)