ASSOCIATED TERRA CONSULTANTS, Inc.

ENVIRONMENTAL SERVICES ENGINEERING GEOLOGY HYDROGEOLOGY

ENVIRONMENTAL MONITORING REPORT
MAY 1997

800 FRANKLIN STREET (STID #37)
OAKLAND, CALIFORNIA

for

Mr. Tommy Chiu
812 5th Avenue
Oakland, California

October 10, 1997

15881 Winchester Boulevard, Los Gatos, CA 95030 (408) 354-5277 Fax (408) 354-7208

ASSOCIATED TERRA CONSULTANTS, Inc.

ENVIRONMENTAL SERVICES ENGINEERING GEOLOGY HYDROGEOLOGY

October 10, 1997
File No: 124575

Mr. Tommy Chiu
812 5th Avenue
Oakland, California

Subject: **ENVIRONMENTAL MONITORING REPORT, MAY 1997**
800 Franklin Street (STID #37)
Oakland, California

Dear Mr. Chiu:

We are pleased to present to you with our report of the installation of Groundwater Monitoring Well MW-6 and the sampling of all the wells at the site and the testing of the samples obtained. This monitoring and report are required by the Alameda County Health Care Services Agency, Department of Environmental Health, SWRCB, Division of Clean Water Programs, UST Local Oversight Program in their letter dated October 16, 1995.

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

Respectfully submitted,

ASSOCIATED TERRA CONSULTANTS, Inc.

Rick Haltenhoff
President

Distribution: 3 copies - Addressee
1 copy - Ms. Jennifer Eberle, Alameda County, Department of Environmental Health

15881 Winchester Boulevard, Los Gatos, CA 95030 (408) 354-5277 Fax (408) 354-7208

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File No: 124575

October 10, 1997

TECHNICAL REPORT

MAY 1997

800 FRANKLIN STREET (STID #37)
OAKLAND, CALIFORNIA

ASSOCIATED TERRA CONSULTANTS, Inc.

File No: 124575 October 10, 1997

ENVIRONMENTAL MONITORING REPORT: MAY 1997

800 FRANKLIN STREET (STID #37) OAKLAND, CALIFORNIA

INTRODUCTION

Associated Terra Consultants, Inc. was retained by Mr. Tommy Chiu of Oakland, California to continue the environmental remedial investigation at and in the vicinity of 800 Franklin Street in Oakland, California. This report summarizes the work performed by Associated Terra Consultants, Inc. during the second half of 1996 and first half of 1997 and presents the results of the installation of Groundwater Monitoring Well MW-6 and the sampling and testing of groundwater from all the wells. This report is required pursuant to a letter to Mr. Tommy Chiu from the Alameda County Health Care Services Agency, Department of Environmental Health, SWRCB, Division of Clean Water Programs, UST Local Oversight Program, dated October 16, 1995, and as included in our approved work plan for this work, dated October 30, 1995. The additional sampling and monitoring was required by a letter from Ms. Jennifer Eberle dated March 4, 1997.

SITE DESCRIPTION AND SITE HISTORY

Both the site description and site history have been included in several recent reports, the most recent of which was dated March 29, 1995, and is not repeated here.

SCOPE OF WORK: MAY 1997

Activities performed by Associated Terra Consultants, Inc. for this report include the following:

a) Drilling, instillation and development of Monitoring Well MW-6;

b) Measurement of the groundwater levels in all the wells and calculation of the

c) Sampling of all existing wells;

d) Testing of the soils samples from Monitoring Well MW-6 for oil & grease, total petroleum hydrocarbons as gasoline, total petroleum hydrocarbons as diesel, with benzene, toluene, ethyl benzene, xylenes and MTBE distinction;

e) Testing of the water samples for total petroleum hydrocarbons as gasoline, with benzene, toluene, ethyl benzene, xylenes and MTBE distinction; and

f) Preparation of this report of this monitoring event.

METHODS AND PROCEDURES

Site Health and Safety Plan

All personnel at the site were CFR 1910.120 Hazardous Waste Operations safety qualified. Level "D" Personal Protective Equipment was appropriate for this operation, and was worn by all present. Higher levels of Personal Protective Equipment were available on site for selected personnel. In accordance with the Site Health and Safety Plan, the Site Safety and Health Officer and Supervisor for this operation was Mr. Rick Haltenhoff of Associated Terra Consultants, Inc.

Drilling, Soils Sampling, and Well Construction

An exploratory soils boring within which a groundwater monitoring well, MW-6, subsequently was constructed, was drilled at the site at the intersection of 8th Street and Franklin Street on May 15, 1997. Associated Terra Consultants, Inc. secured a permit for this well from the Alameda County Flood Control and Water Conservation District, Zone 7, prior to well installation. A permit was originally obtained in March 1996 (#96195), which

subsequently needed to be updated. A second permit (#97315) was obtained in May 1997. The drilling and well installation were done by Kvilhaug Well Drilling and Pump Company, Inc. (C57# 482390) of Concord, under the supervision of the Certified Hydrogeologist/Certified Engineering Geologist. All permits obtained for the installation can be found in Appendix C. The boring was logged by Rick Haltenhoff of Associated Terra Consultants, Inc. A truck-mounted, Mobile B-61 drill rig equipped with continuous-flight, hollow-stem augers of 8-inch outside diameter, was used to drill the boring and construct the well. The augers and other drill parts were steam-cleaned prior to use to minimize the risk of cross-contamination. Soils cuttings from the boring were examined in the field and placed in open-top, 55-gallon drums specifically designated for that purpose.

The soils were sampled at various depths between the ground surface and the bottom of the borehole. A California sampler of 2-inch inside diameter equipped with pre-cleaned brass sleeves was used to retrieve the soils samples. At each sampling depth the sampler was driven 18 inches into the soils with a 140-pound hammer falling 30 inches. The blow counts necessary to drive the sampler were recorded for each six-inch interval, and the blow counts for the bottom two 6-inch intervals were totaled and reported on the boring logs as an indication of the consistencies of the materials encountered. The soils were characterized by the Staff Geologist and field-inspected for the presence of hydrocarbon fuel and volatile hydrocarbon compounds. The samples were promptly sealed, labeled, and placed in iced storage for transport along with a chain-of-custody record to Chromalab of Pleasanton, California, which is State-certified for the appropriate chemical analyses (California Department of Health Services Certificate 1094). Table 3, "Compilation of Compound Concentrations (in ppm) in Soils Samples", contains the results of the chemical testing of the soils samples. For more details about the drilling and sampling proccedures, see Appendix D.

Groundwater monitoring well MW-6 was constructed with flush-threaded, Schedule 40, polyvinyl chloride (PVC) casing of 2-inch diameter, using screen slotting of 0.010-inch with a filter pack of No. 3 sand. Details of soils types encountered and the well construction are presented on the log of the

monitoring well, Appendix B. Appendix B also contains "The Boring Log Key for Monitoring Well MW-6". The relationships of the soils between the borings are illustrated in Plates 4 through 6, Cross-sections A-A' through C-C'.

Monitoring Well Elevation and Location

The elevation of the well head of MW-6 relative to Mean Sea Level and the location of the well were surveyed by Geotopo, of Oakland, California as had all previous wells at the site. The elevation is reported in Table 1, "Compilation of Groundwater Elevations in Groundwater Monitoring Wells", and the location is shown on the "Site Plan Showing Locations of Cross-Sections A-A', B-B', and C-C' and Monitoring Well MW-6 " map.

Monitoring Well Development

The new monitoring well was developed on May 15, 1997 by purging using a bailer and hand pump, until the purged water appeared of relatively low turbidity, had a uniform appearance, and had a uniform temperature, pH, and conductivity. The water generated from the well development, sampling procedures and equipment cleaning, was placed in 5-gallon buckets.

Groundwater Level Measurements

The Staff Geologist measured the groundwater surface levels in all the groundwater monitoring wells on May 21, 1997, as shown on Table 1. The well caps were unlocked and removed, and the wells allowed to equilibrate with atmospheric pressure for at least an hour prior to measurement. The depth to water in each well was measured with an electronic water level sounder to the nearest 0.01-foot relative to the surveyed top of well casing. Depth to water data were subtracted from the surveyed wellhead elevations to calculate groundwater surface elevations relative to mean sea level. Table 1 is the "Compilation of Groundwater Elevations in Groundwater Monitoring Wells."

Groundwater Sampling

Groundwater samples were taken from all six groundwater monitoring wells on May 21, 1997. All sampling procedures were performed in accordance with the "Standard Sampling Protocol" used in all previous samplings by KDM Environmental, Inc. (1992, 1993a, and 1993b), Frank Lee and Associates (1993), and Associated Terra Consultants, Inc. (1994a,), and is not repeated here. Appendix D, "Standard Drilling, Sealing and Sampling Protocol", contains more specific information regarding the sampling.

Laboratory Sample Analyses

The soils and water samples were submitted on May 16, 1997 and May 22, 1997, respectively, to Chromalab of Pleasanton, California with positive chain of custody documentation. The laboratory was instructed to analyze each soils and water sample for total petroleum hydrocarbons as gasoline ("TPHg"); for benzene, toluene, ethyl benzene, total xylenes ("BTEX"); and for methyl tertiary-butyl ether ("MTBE") by EPA Methods 5030/8015/602. The soils samples were additionally analyzed for total oil and grease using EPA Method 5520 E&F, and total petroleum hydrocarbons as diesel ("TPHd"). The samples were analyzed within the holding time specified for these EPA methods. For the laboratory analyses of the samples, spike recoveries were considered acceptable. The laboratory testing reports, including the quality control results and the "Chain of Custody" documents, are included in Appendix A. Table 2 shows the analytical results of all the previous groundwater samplings known to us and the most recent sampling at the project site. Table 3 shows the analytical results of all current and known previous soils samplings at the project site.

INVESTIGATION RESULTS

Groundwater Elevations

The average of the elevations of the groundwater in all the wells in May were 0.5 feet higher than when last measured in October 1995. There have been significant changes in the water levels at the site with the seasons, and this level is within the range of levels previously measured at the site. The

average depth below the ground surface is 11.8 feet; the average depth below the ground surface has varied from about eight to 16 feet since 1991.

Groundwater Gradient

Based on topographical features and information generally available, the regional groundwater is believed to flow generally in a southwesterly direction toward San Francisco Bay, however, variations in the gradient direction can occur and have been reported in the vicinity of the project site. The calculated gradient based on the measurements on May 21, 1997 is shown on Plate 3.

Groundwater Sample Analyses

Monitoring wells MW-1 to MW-3 showed a decrease in analytes previously detected and MW-4 and MW-5 showed increases as compared to comparable testing performed in October 1995. The first round of testing for MW-6 indicated the presence of TPHg, Benzene, Toluene, Xylenes and MTBE. Total BTEX and TPHg levels in MW-1 through MW-3 decreased from October 1995, while a general increase for the same analytes was observed in MW-4 and MW-5. Finally, levels of MTBE decreased overall in MW-1 through MW-3, and remained non-detectable in MW-4 and MW-5. MW-6 tested positive for MTBE. It should be noted that concentrations reported for this most recent round of testing in MW-2 and MW-3 are laboratory estimates. Detection levels for these samples are different from the standard detection levels used by the laboratory, but the laboratory estimates exceed the detection levels by a factor of at least four. Please see Table 2 and Appendix A for more detail.

Soils Sample Analyses

Soils samples taken from the construction of MW-6 tested positive for TPH-diesel, BTEX, and MTBE. TPH-diesel was detected in soils at a depth of 10 feet, for BTEX at 25 feet, and for MTBE at 30 feet. See Table 3 for "Compilation of Compound Concentrations (in ppm) in Soils Samples."

RECOMMENDATIONS

1. We recommend, as a minimum, that the gradient direction and magnitude at the project site continue to be measured semi-annually, and that the groundwater in the monitoring wells be sampled and tested for TPHg, BTEX and MTBE at least semi-annually, and that future site activities should be based upon this information. All site activities must be done in accordance with County requirements and guidelines.

LIMITATIONS

1. This report has been prepared in accordance with generally accepted Engineering Geologic and Hydrogeologic practices. The conclusions and recommendations contained in this report have resulted from Engineering Geologic and Hydrogeologic analyses based upon reasonable interpretations of the surface and subsurface soils, geologic, and hydrogeologic conditions based upon our points of inspection and as reported by others in their borings at the project site at locations chosen by them, and that the soils, geologic, and hydrogeologic conditions between points of inspection do not deviate from those reported. No warranty, expressed or implied, is made.

2. The migration of contaminants in vadose zone soils and shallow aquifers is somewhat irregular and poorly understood, and the state-of-the-art in environmental investigation does not provide the means to completely evaluate such conditions. However, every reasonable effort has been made within the scope of work agreed to between the Client and Consultant to characterize the extent of the contamination at the project site based upon location of the wells and the well head elevations reported by others, and the groundwater elevations in the monitoring wells and the chemical testing results from this quarterly monitoring program. It remains, however, that it cannot be stated with certainty that all locations and the full extent of contamination in the groundwater at the project site have been discovered and evaluated.

3. The findings of this report are valid as of the present time. However, the passing of time will change conditions on the existing property due to natural processes or the works of man. In addition, legislation or the broadening of knowledge may require other recommendations. Accordingly, the findings of this report may be invalidated, wholly or in part, by changes beyond our control.

Very truly yours,
ASSOCIATED TERRA CONSULTANTS. Inc.

Rick Haltenhoff
Certified Hydrogeologist 244
Certified Engineering Geologist 1038

Attachments as shown in the Table of Contents

REFERENCES

Associated Terra Consultants, Inc., 1994a, Report of sampling and testing results, STID #37, 800 Franklin Street, Oakland, California: Los Gatos, California, an unpublished letter report for Mr. Tommy Chiu, Oakland, California (April 8, 1994).

_____, 1994b, Environmental monitoring report, Second Quarter 1994, 800 Franklin Street (STID #37), Oakland, California: Los Gatos, California, an unpublished report for Mr. Tommy Chiu, Oakland, California (July 15, 1994).

_____, 1994c, Report of sampling and testing results, Third Quarter 1994, STID #37, 800 Franklin Street, Oakland, California: Los Gatos, California, an unpublished letter report for Mr. Tommy Chiu, Oakland, California (November 17, 1994).

_____, 1995a, Report of sampling and testing results, Fourth Quarter 1994, STID #37, 800 Franklin Street, Oakland, California: Los Gatos, California, an unpublished letter report for Mr. Tommy Chiu, Oakland, California (March 29, 1995).

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Frank Lee and Associates, 1993, Transmittal of testing results, former service station, 800 Franklin Street, Oakland, California: Los Gatos, California, an unpublished letter for Mr. Tommy Chiu, Oakland, California.

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_____, 1993b, Quarterly monitoring of wells, first quarter 1993, 800 Franklin Street, Oakland, California: an unpublished report for Mr. Tommy Chiu of Continental Homes, Inc., Oakland, California.

Miller Environmental Company, 1989a, Update on 800 Franklin Street in Oakland, CA: Richmond, California, an unpublished letter for Mr. Tommy Chiu of the Montclair Valle Vista Partnership, Oakland, California.

_____, 1989b, Report on subsurface investigation and remediation of contaminated soil, 800 Franklin Street, Oakland, CA: Richmond, California, an unpublished report for Mr. Tommy Chiu of Dynagroup Development, Inc., Oakland, California.

_____, 1992, Report on subsurface investigation related to well installation and borings, 800 Franklin Street, Oakland, CA: Richmond, California, an unpublished report for Mr. Tommy Chiu of the Montclair Valle Vista Partnership, Oakland, California.

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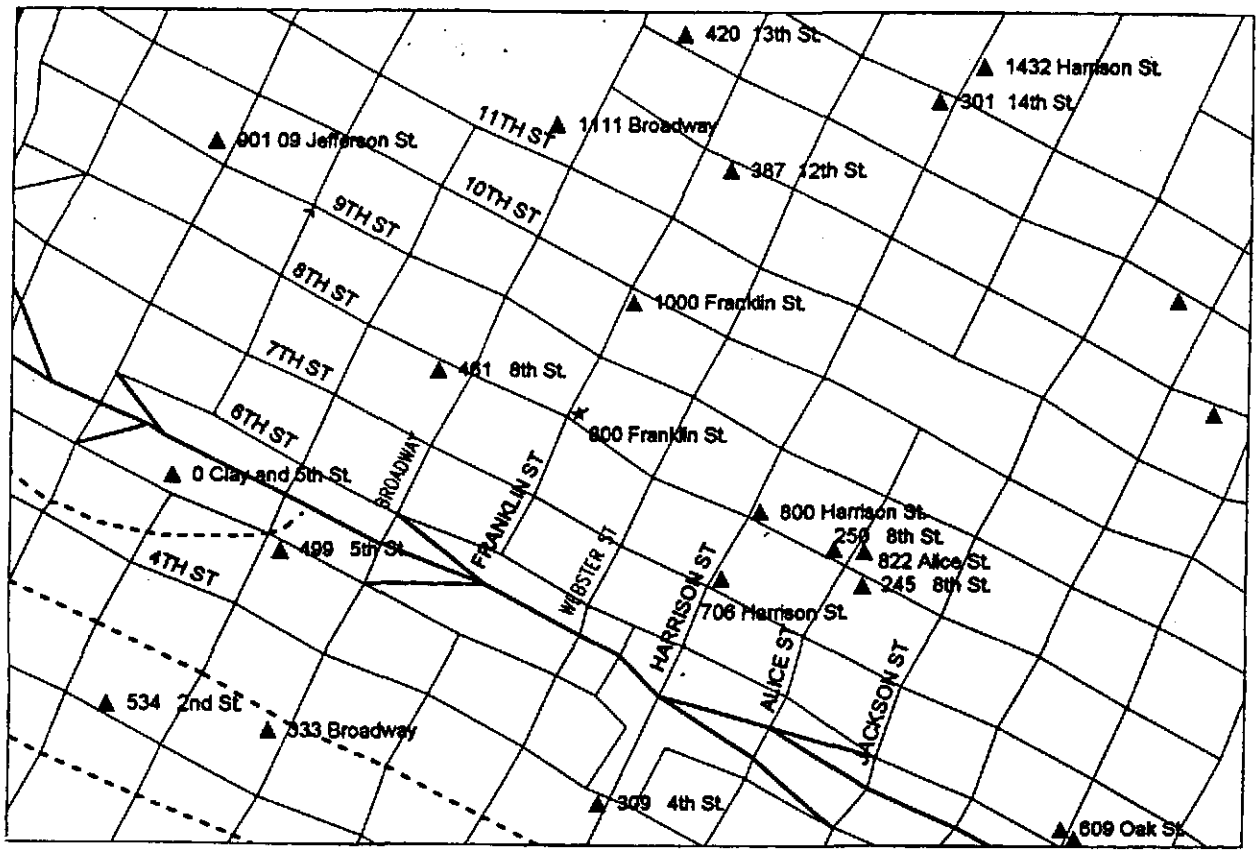


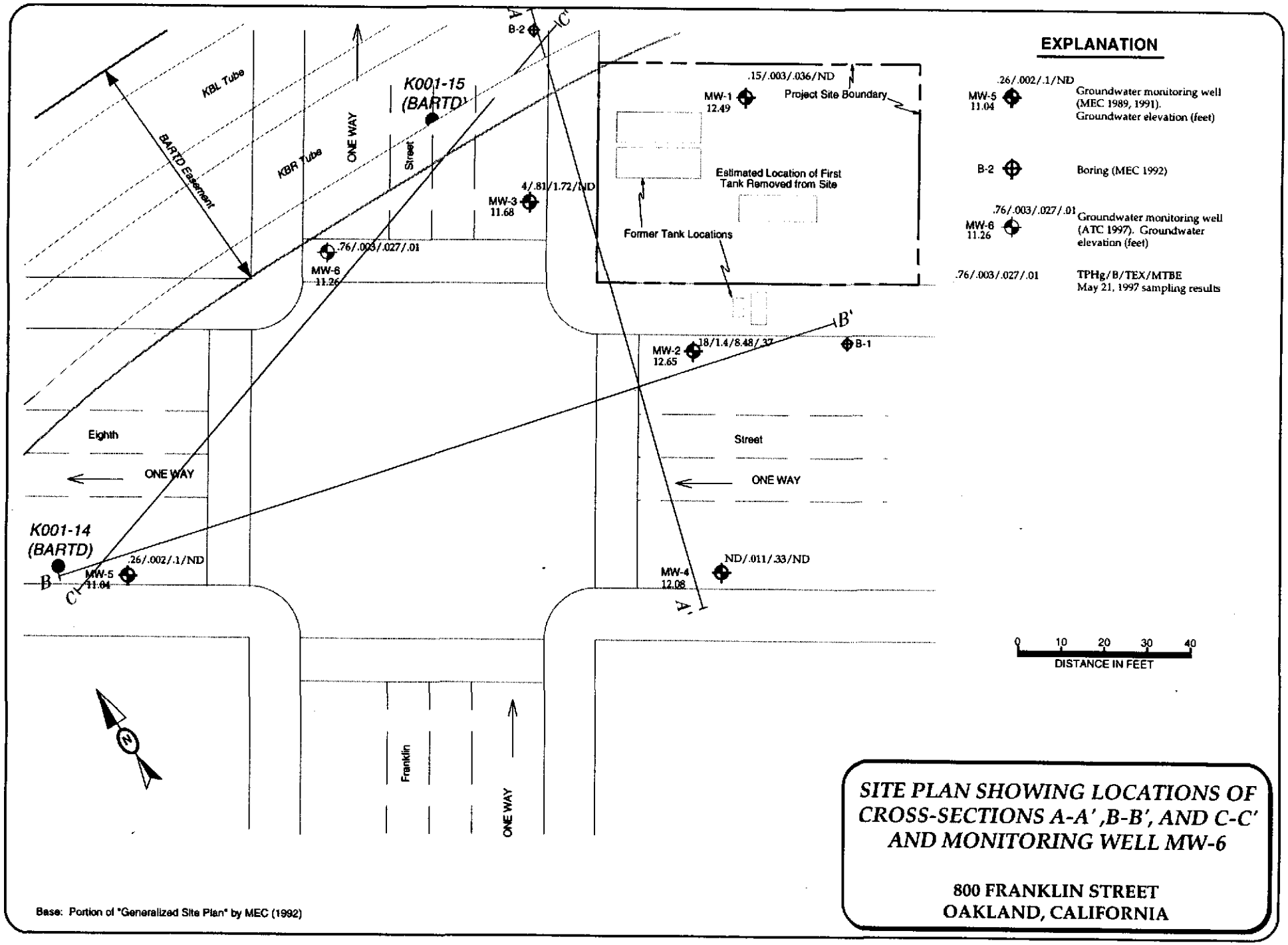
Approximate scale: 1" = 700'

SITE VICINITY MAP

800 FRANKLIN STREET
OAKLAND, CALIFORNIA

BASE: Computer graphic provided by ACDEHHMD.

File No: 124575



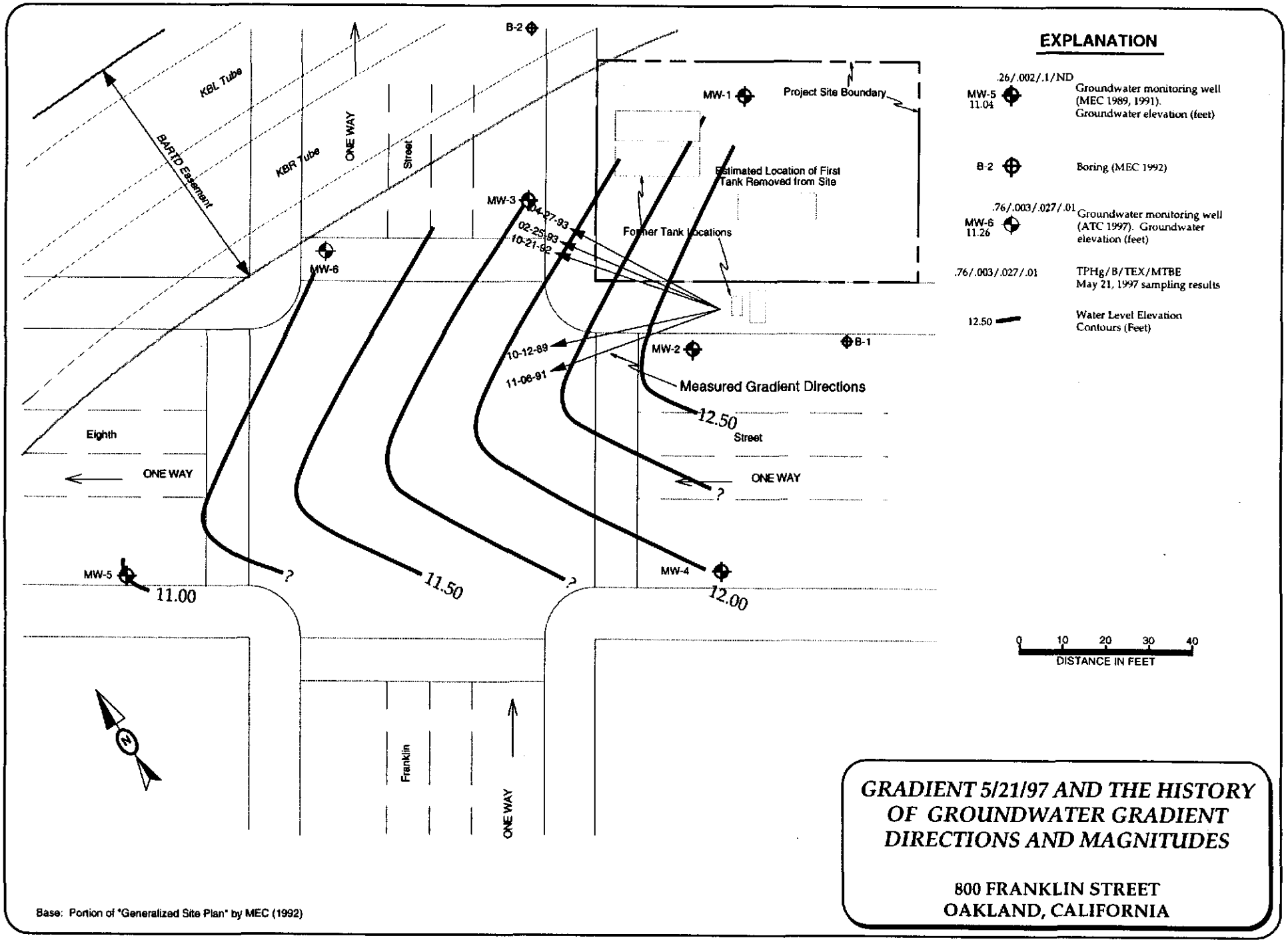
SITE PLAN SHOWING LOCATIONS OF CROSS-SECTIONS A-A', B-B', AND C-C' AND MONITORING WELL MW-6

800 FRANKLIN STREET
OAKLAND, CALIFORNIA

ASSOCIATED TERRA CONSULTANTS, Inc.

Plate 2

File No: 124575



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

GRADIENT 5/21/97 AND THE HISTORY OF GROUNDWATER GRADIENT DIRECTIONS AND MAGNITUDES

800 FRANKLIN STREET
OAKLAND, CALIFORNIA

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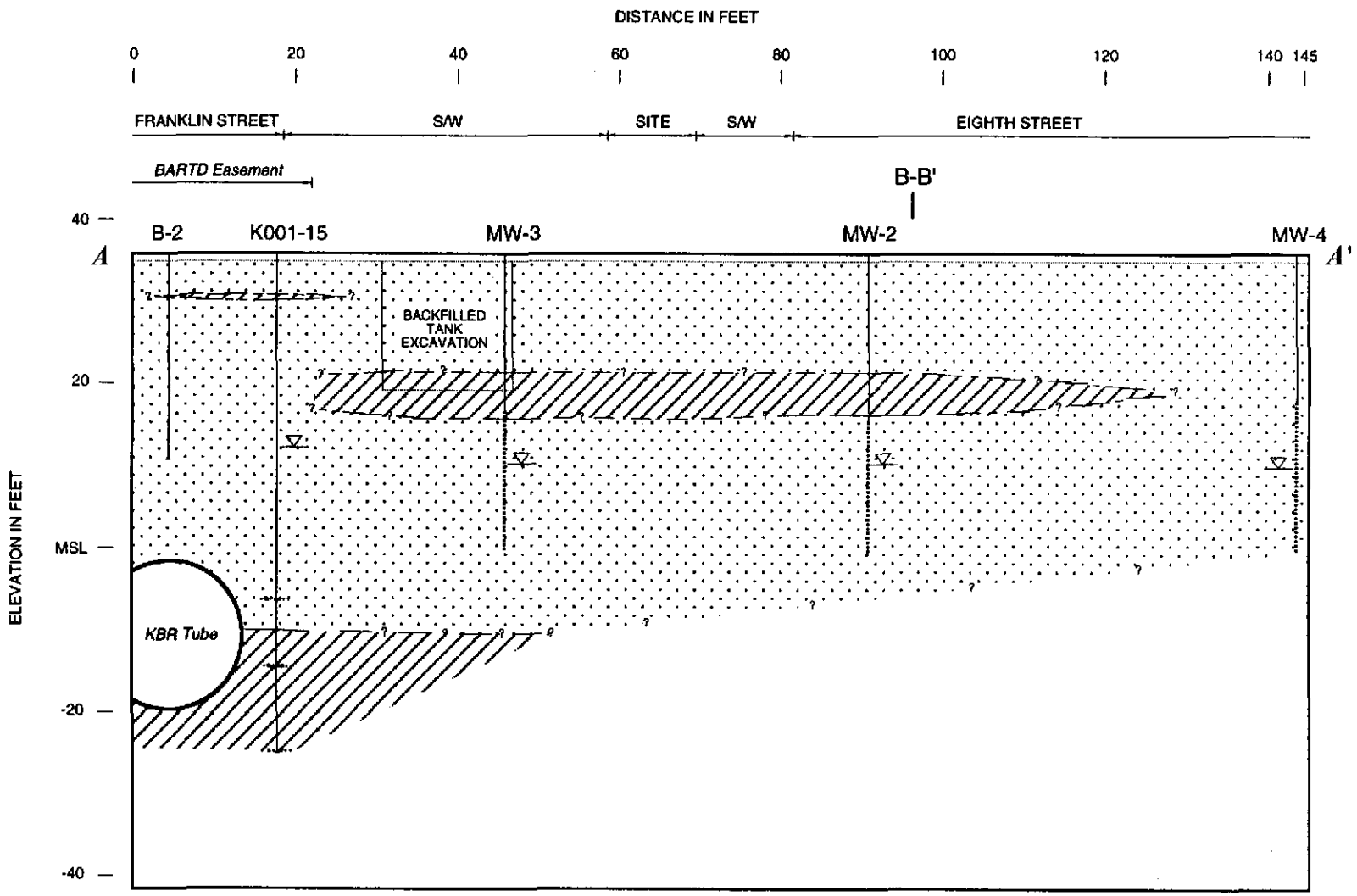


EXPLANATION

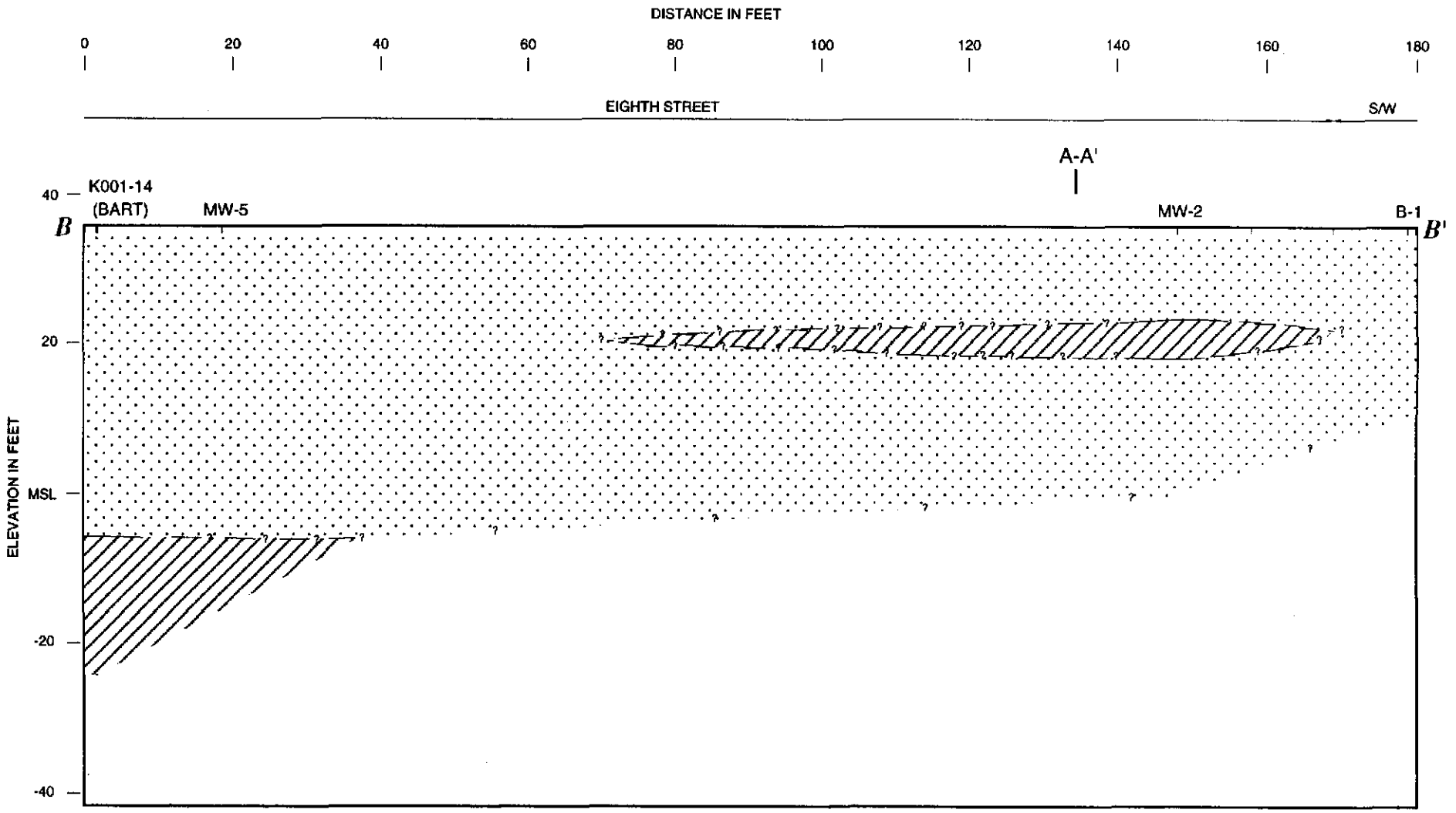
Clayey aquitard strata

Coarse-grained aquifer strata

APPROXIMATE SCALE: 1" = 20'; H = V

CROSS-SECTION A-A'
800 FRANKLIN STREET
OAKLAND, CALIFORNIA

File No: 124573



EXPLANATION

Clayey aquitard strata

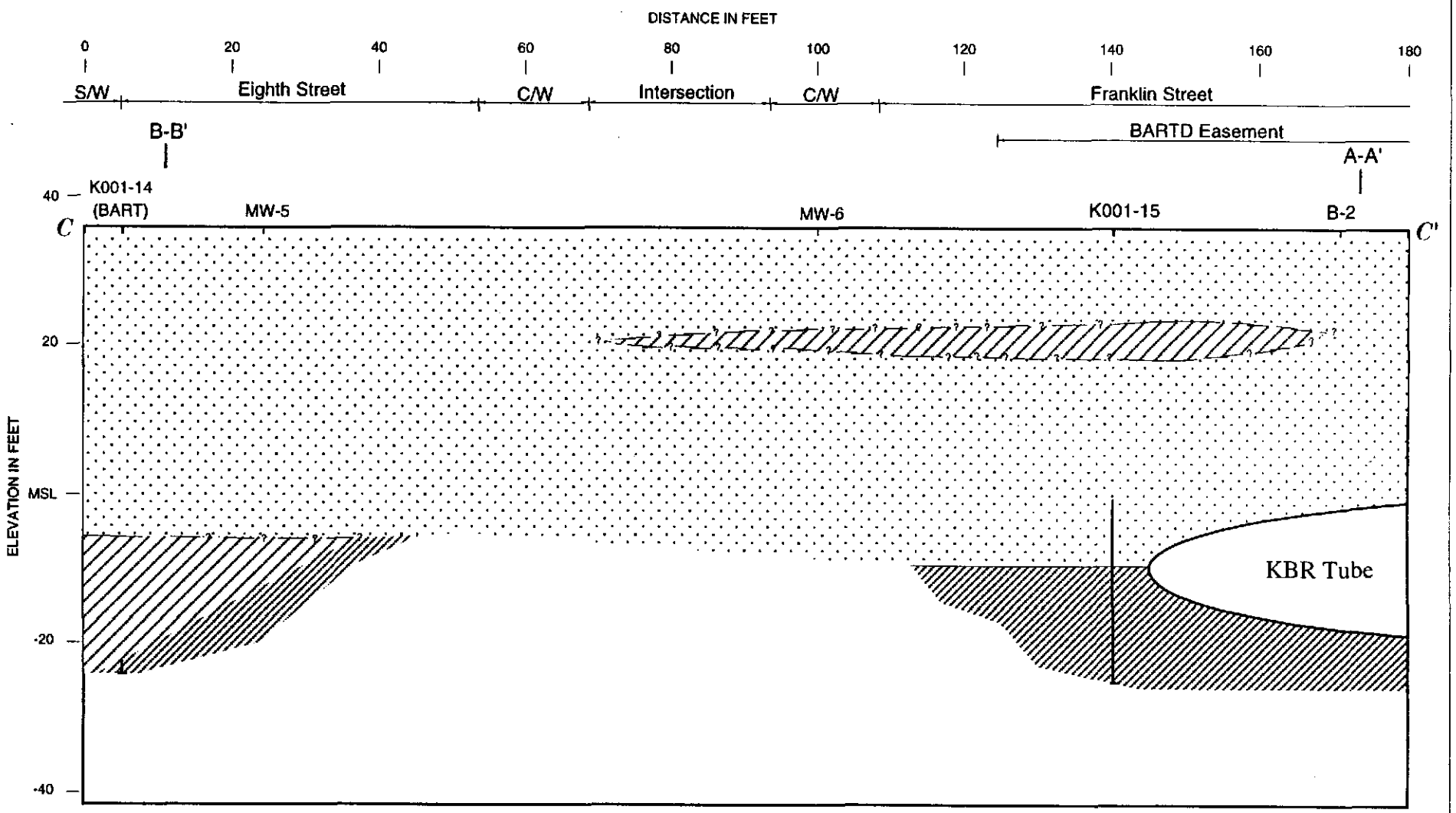
Coarse-grained aquifer strata

APPROXIMATE SCALE: 1" = 20'; H = V

CROSS-SECTION B-B'

800 FRANKLIN STREET
OAKLAND, CALIFORNIA

File No: 124575



EXPLANATION

Clayey aquitard strata

Coarse-grained aquifer strata

APPROXIMATE SCALE: 1" = 20'; H = V

CROSS-SECTION C-C'
800 FRANKLIN STREET
OAKLAND, CALIFORNIA

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TABLE 1

COMPILATION OF

GROUNDWATER ELEVATIONS IN GROUNDWATER MONITORING WELLS

800 Franklin Street, Oakland, California

Well	MW1			MW2	MW3	MW4	MW5	MW6
Top of Casing	33.42	34.89#	33.98	33.66	34.23	33.64	33.56	33.98
10/12/89	10.55	-	-	10.40	10.21	*	*	*
11/06/91	NA	-	-	9.64	10.71	10.32	9.56	*
10/21/92	-	11.41	-	11.24	10.91	11.54	10.32	*
02/25/93	-	12.38	-	12.16	11.72	12.51	11.16	*
04/27/93	-	12.53	-	12.40	11.86	12.90	11.41	*
10/07/93	-	12.10	-	12.04	14.19	12.52	11.06	*
03/28/94	-	-	11.91	11.88	11.52	12.34	10.95	*
04/29/94	-	-	NA	11.87	11.34	11.33	10.91	*
06/10/94	-	-	11.66	11.44	11.13	11.55	10.68	*
07/08/94	-	-	11.62	11.42	11.09	11.54	10.60	*
07/26/94	-	-	11.48	11.22	10.94	11.30	10.45	*
08/25/94	-	-	11.47	11.01	10.80	11.09	10.28	*
10/27/94	-	-	11.47	11.00	10.67	10.95	10.06	*
01/06/95	-	-	12.08	11.66	11.33	11.70	10.78	*
02/01/95	-	-	12.79	12.21	11.79	12.34	11.25	*
03/29/95	-	-	12.75	12.66	12.10	12.76	11.63	*
10/31/95	-	-	12.48	11.51	11.23	11.61	10.64	*
05/21/97	-	-	12.49	12.65	11.68	12.08	11.04	11.26

@ MW-1 top of casing destroyed between 10/12/89 and 11/6/91. Repaired on 03/28/94.

"#" Top of slab next to MW1. "*" - Did not exist "NA" - Not available

10/12/89 and 11/06/91 data from Miller Environmental Company. 10/21/92 through 04/27/93 data from KDM Environmental. 10/07/93 data from Frank Lee & Associates. Datum is Mean Sea Level, based on surveying by LLS Jeffery D. Black,11/05/91; Existing wellhead, top of slab, & repaired wellhead of MW1 re-surveyed on 03/28/94 by Geotopo, Oakland, Calif.

File No: 124575

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)	MTBE
MW1	9/21/89	ND	ND	-	ND	ND	ND	ND	8.600	-
	10/31/91	0.630	1.700	0.960	0.003	ND	ND	0.130	0.010	-
	10/21/92	0.520	-	-	0.078	0.038	ND	0.120	ND	-
	2/25/93	1.600	-	-	0.160	0.190	0.034	0.350	-	-
	4/27/93	0.380	-	-	0.005	ND	ND	0.074	-	-
	10/7/93	1.000	-	-	0.081	0.150	0.047	0.230	-	-
	3/28/94	0.460	-	-	0.014	0.025	0.014	0.039	-	-
	10/27/94	ND	-	-	ND	ND	ND	ND	-	-
	10/30/95	1.400	-	-	0.015	0.038	0.049	0.510	-	0.019
	5/21/97	0.150	-	-	0.003	0.002	0.009	0.026	-	ND
MW2	9/21/89	38.000	3.900	-	1.300	1.200	ND	4.700	ND	-
	10/31/91	10.000	ND	1.500	1.800	1.200	0.270	0.960	0.170	-
	10/21/92	270.000	-	-	9.700	4.540	9.600	56.000	15.400	-
	2/25/93	49.000	-	-	4.300	11.000	1.300	9.100	-	-
	4/27/93	39.000	-	-	1.400	4.000	0.220	5.200		-
	10/7/93	50.000	-	-	2.700	8.100	0.940	7.800	-	-
	3/28/94	20.000	-	-	0.360	1.300	0.220	1.800	-	-
	10/27/94	21.000	-	-	1.200	3.700	0.600	4.300	-	-
	10/30/95	45.000	-	-	3.100	8.800	1.200	8.400	-	0.810
	5/21/97	##18.000	-	-	##1.400	##4.200	##0.680	##3.600	-	##0.370
MW3	9/21/89	87.000	4.500	-	3.200	8.800	ND	6.500	70.000	-
	10/31/91	310.000	ND	25.000	9.300	25.000	5.600	27.000	0.058	-
	10/21/92	22.000	-	-	10.000	4.300	0.790	2.100	ND	-
	2/25/93	29.000	-	-	8.400	5.400	1.300	3.300	-	-
	4/27/93	50.000	-	-	8.200	8.700	1.000	5.400	-	-
	10/7/93	1.700	-	-	3.100	3.700	0.400	1.700	-	-
	3/28/94	53.000	-	-	3.900	4.600	0.710	2.500	-	-
	10/27/94	8.500	-	-	2.700	2.700	0.490	2.000	-	-
	10/30/95	19.000	-	-	4.400	4.600	0.720	2.900	-	0.410
	5/21/97	##4.000	-	-	##.810	##.840	##.190	##.690	-	##ND
MW4	10/31/91	ND	ND	ND	ND	ND	ND	ND	ND	-
	10/21/92	0.410	-	-	0.003	0.029	0.007	0.047	ND	-
	2/25/93	0.170	-	-	ND	ND	ND	ND	-	-
	4/27/93	0.100	-	-	ND	ND	ND	0.001	-	-
	10/7/93	0.240	-	-	ND	ND	ND	ND	-	-
	3/28/94	ND	-	-	ND	ND	ND	ND	-	-
	10/27/94	ND	-	-	ND	ND	ND	ND	-	-
	10/30/95	0.080	-	-	ND	0.001	ND	0.001	-	ND
	5/21/97	ND	-	-	0.011	0.120	0.027	0.180	-	ND
MW5	10/31/91	ND	ND	ND	ND	ND	ND	ND	ND	-
	10/21/92	0.840	-	-	0.017	0.120	0.039	0.180	ND	-
	2/25/93	ND	-	-	ND	ND	ND	ND	-	-
	4/27/93	0.260	-	-	0.053	0.019	0.001	0.002	-	-
	10/7/93	ND	-	-	ND	ND	ND	ND	-	-
	3/28/94	ND	-	-	ND	ND	ND	ND	-	-
	10/27/94	ND	-	-	ND	ND	ND	ND	-	-
	10/30/95	ND	-	-	ND	ND	ND	ND	-	ND
	5/21/97	0.260	-	-	0.002	0.033	0.008	0.056	-	ND

File No: 124575

TABLE 2

Well (Smpl Date)		TPHg	Wst Oil	TPHd	Benzene	Toluene	Eth Benz	Xylenes	DCA (ppb)	MTBE
MW6	10/31/91	-	-	-	-	-	-	-	-	-
	10/21/92	-	-	-	-	-	-	-	-	-
	2/25/93	-	-	-	-	-	-	-	-	-
	4/27/93	-	-	-	-	-	-	-	-	-
	10/7/93	-	-	-	-	-	-	-	-	-
	3/28/94	-	-	-	-	-	-	-	-	-
	10/27/94	-	-	-	-	-	-	-	-	-
	10/30/95	-	-	-	-	-	-	-	-	-
	5/21/97	0.760	-	-	0.003	0.002	ND	0.025	-	0.010

Notes: MW1 - .8 ppb chloroform on 09/21/89; MW3 - .68 ppb dichloropropane and 1.4 ppb TCA, MW4 - 2.6 ppb chloroform, and MW5 - 1.1 ppb chloroform, on 10/31/94. "ND" - Not Detected within specified detection limit; 50 ppb for TPHG and TPHd, and 0.5 for BTEX and MTBE for all values indicated. "-" - 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 Co. Testing 10/21/92, 2/25/93, and 4/27/93 as reported by KDM Environmental. Testing 10/07/93 as reported by Frank Lee & Associates.
See the laboratory testing reports for the detection limits for the specific analytes for the testing dated 5-21-97. See laboratory testing reports for specific testing methods. ACCULAB in Petaluma, California; location of NET Pacific, Inc. laboratory not reported by Miller Environmental Company/Chromalab, Pleasanton, CA. "##" - Laboratory results sheet contains notation: "Estimated concentration. Sample Exceeded linear calibration. Insufficient sample for reanalysis." Detection limits for these samples are 50 ppb for TPHg, 5ppb for MTBE, and .50 ppb for BTEX.

Table 2 Continued

File No: 124575

TABLE 3
COMPILATION OF
COMPOUND CONCENTRATIONS (in ppm) IN SOIL SAMPLES
800 Franklin Street, Oakland, California

Depth (feet)	Compound	Well/Boring/Excavation (arranged in approximate order west to east)												
		MW5	MW6	MW4	MW2	B1	EX2-A	EX2-B	MW3	EX1-A	EX1-B	EX1-C	MW1	B2
Date: Lab:		10-03-91 (LAB A)	97-05-15 (LAB B)	10-02-91 (LAB A)	09-12-89 (LAB C)	09-11-91 (LAB C)	09-08-89 (LAB C)	09-08-89 (LAB C)	09-13-89 (LAB C)	09-07-89 (LAB C)	09-07-89 (LAB C)	09-07-89 (LAB C)	09-12-89 (LAB C)	10-02-91 (LAB A)
5 ("A")	Oil and Grease	ND	ND	ND	ND	ND	-	-	ND	-	-	-	30	ND
	TPHg	ND	ND	ND	ND	ND	-	-	ND	-	-	-	ND	ND
	Benzene	ND	ND	ND	ND	ND	-	-	ND	-	-	-	ND	ND
	Toluene	ND	ND	ND	ND	ND	-	-	ND	-	-	-	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	-	-	ND	-	-	-	ND	ND
	Xylenes	ND	ND	ND	ND	ND	-	-	ND	-	-	-	ND	ND
	TPHd	ND	ND	ND	ND	ND	-	-	ND	-	-	-	23	ND
	Motor Oil	ND	-	ND	-	-	-	-	-	-	-	-	-	-
	TRPH	-	-	-	-	ND	-	-	-	-	-	-	-	-
	MTBE	-	ND	-	-	-	-	-	-	-	-	-	-	-
10 ("B")	Oil and Grease	ND	ND	ND	ND	ND	-	-	ND	-	-	-	ND	ND
	TPHg	ND	ND	ND	ND	ND	-	-	ND	-	-	-	ND	ND
	Benzene	ND	ND	ND	ND	ND	-	-	ND	-	-	-	ND	ND
	Toluene	ND	ND	ND	ND	ND	-	-	ND	-	-	-	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	-	-	ND	-	-	-	ND	ND
	Xylenes	ND	ND	ND	ND	ND	-	-	ND	-	-	-	ND	ND
	TPHd	ND	#9.1	ND	ND	ND	-	-	25	-	-	-	ND	ND
	Motor Oil	ND	-	ND	-	-	-	-	-	-	-	-	-	ND
	TRPH	-	-	-	-	ND	-	-	-	-	-	-	-	-
	MTBE	-	ND	-	-	-	-	-	-	-	-	-	-	-
15 ("C")	Oil and Grease	ND	ND	ND	ND	ND	400	ND	ND	ND	40	80	ND	ND
	TPHg	ND	ND	ND	ND	ND	10,000	4.1	ND	ND	ND	2.3	ND	ND
	Benzene	ND	ND	ND	ND	ND	50.0	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	210.0	ND	ND	ND	ND	0.050	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	54.0	ND	ND	ND	ND	ND	ND	ND
	Xylenes	ND	ND	ND	ND	ND	270.0	0.15	0.070	ND	ND	0.14	ND	ND
	TPHd	ND	ND	ND	ND	ND	250	ND	ND	ND	ND	ND	ND	ND
	Motor Oil	ND	-	ND	-	-	-	-	-	-	-	-	-	ND
	TRPH	-	-	-	-	ND	-	-	-	-	-	-	-	-
	MTBE	-	ND	-	-	-	-	-	-	-	-	-	-	-
20 ("D")	Oil and Grease	ND	ND	ND	50	ND	-	-	40	-	-	-	ND	ND
	TPHg	ND	ND	ND	1,900	ND	-	-	2,200	-	-	-	52.0	ND
	Benzene	ND	ND	ND	7.4	ND	-	-	7.5	-	-	-	0.12	ND
	Toluene	ND	ND	ND	51.0	ND	-	-	42.3	-	-	-	0.700	ND
	Ethylbenzene	ND	ND	ND	24.0	ND	-	-	16.0	-	-	-	0.53	ND
	Xylenes	ND	ND	ND	180.0	ND	-	-	180.0	-	-	-	4.5	ND
	TPHd	ND	ND	ND	110	ND	-	-	160	-	-	-	ND	ND
	Motor Oil	ND	-	ND	-	-	-	-	-	-	-	-	-	ND
	TRPH	-	-	-	-	ND	-	-	-	-	-	-	-	-
	MTBE	-	##ND	-	-	-	-	-	-	-	-	-	-	-

Continued

Depth (feet)	Compound	Well/Boring/Excavation (arranged in approximate order west to east)												
		MW5	MW6	MW4	MW2	B1	EX2-A	EX2-B	MW3	EX1-A	EX1-B	EX1-C	MW1	B2
Date:		10-03-91	97-05-15	10-02-91	09-12-89	09-11-91	09-08-89	09-08-89	09-13-89	09-07-89	09-07-89	09-07-89	09-12-89	10-02-91
Lab:		(LAB A)	(LAB B)	(LAB A)	(LAB C)	(LAB C)	(LAB C)	(LAB C)	(LAB C)	(LAB C)	(LAB C)	(LAB C)	(LAB C)	(LAB A)
25 ("E")	Oil and Grease	ND	ND	ND	30	ND	-	-	ND	-	-	-	ND	ND
	TPHg	ND	ND	ND	7,800	*2,900	-	-	24	-	-	-	ND	120
	Benzene	ND	0.050	ND	52.0	ND	-	-	0.60	-	-	-	ND	ND
	Toluene	ND	0.011	ND	220.0	60	-	-	1.10	-	-	-	ND	0.210
	Ethylbenzene	ND	0.023	ND	77.0	ND	-	-	0.17	-	-	-	ND	0.310
	Xylenes	ND	0.099	ND	400.0	ND	-	-	1.40	-	-	-	ND	0.600
	TPHd	ND	ND	ND	170	160	-	-	ND	-	-	-	ND	83
	Motor Oil	ND	-	ND	-	-	-	-	-	-	-	-	-	ND
	TRPH	-	-	-	-	190	-	-	-	-	-	-	-	-
	MTBE	-	ND	-	-	-	-	-	-	-	-	-	-	-
30 ("E")	Oil and Grease	-	ND	-	-	-	-	-	-	-	-	-	-	-
	TPHg	-	ND	-	-	-	-	-	-	-	-	-	-	-
	Benzene	-	ND	-	-	-	-	-	-	-	-	-	-	-
	Toluene	-	ND	-	-	-	-	-	-	-	-	-	-	-
30 ("E")	Ethylbenzene	-	ND	-	-	-	-	-	-	-	-	-	-	-
	Xylenes	-	ND	-	-	-	-	-	-	-	-	-	-	-
Continued	TPHd	-	ND	-	-	-	-	-	-	-	-	-	-	-
	Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-	-
	TRPH	-	-	-	-	-	-	-	-	-	-	-	-	-
	MTBE	-	0.005	-	-	-	-	-	-	-	-	-	-	-
35 ("E")	Oil and Grease	-	ND	-	-	-	-	-	-	-	-	-	-	-
	TPHg	-	ND	-	-	-	-	-	-	-	-	-	-	-
	Benzene	-	ND	-	-	-	-	-	-	-	-	-	-	-
	Toluene	-	ND	-	-	-	-	-	-	-	-	-	-	-
	Ethylbenzene	-	ND	-	-	-	-	-	-	-	-	-	-	-
	Xylenes	-	ND	-	-	-	-	-	-	-	-	-	-	-
	TPHd	-	ND	-	-	-	-	-	-	-	-	-	-	-
	Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-	-
	TRPH	-	-	-	-	-	-	-	-	-	-	-	-	-
	MTBE	-	ND	-	-	-	-	-	-	-	-	-	-	-

Notes Results compiled from laboratory reports provided in Miller Environmental Company (1989 and 1992), and shown to the degree of accuracy reported by the laboratories. ACCULAB (LAB C) in Petaluma, California; location of NET Pacific, Inc. laboratory (LAB A) not reported by Miller Environmental Company/Chromalab, (LAB B) Pleasanton, CA.
"*" - Laboratory testing report contains notation : "Sample chromatograph for sample ID R1[sic]-25 was not representative of a gasoline pattern". "#" - Laboratory testing report contains notation: "Hydrocarbon reported has characteristics of weathered/ag Diesel. Estimated concentration due to overlapping fuel patterns. See laboratory testing reports for specific testing methods.

CHROMALAB, INC.

Environmental Services (SDB)

June 2, 1997 *Submission #:* 9705339

ASSOCIATED TERRA CONSULTANTS

Atten: Nicole Duarte

Project: CHIU *Project#:* 124575
Received: May 22, 1997

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: **MW1**
Spl#: 133042 *Matrix:* WATER
Sampled: May 21, 1997 *Run#:* 7034 *Analyzed:* May 28, 1997

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	150	50	N.D.	106	1
MTBE	N.D.	5.0	N.D.	94	1
BENZENE	2.9	0.50	N.D.	93	1
TOLUENE	1.5	0.50	N.D.	97	1
ETHYL BENZENE	8.6	0.50	N.D.	107	1
XYLENES	26	0.50	N.D.	104	1

Marianne Alexander
Gas/BTEX Supervisor

Chip Poalinelli
Operations Manager

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

June 2, 1997 *Submission #:* 9705339

ASSOCIATED TERRA CONSULTANTS

Atten: Nicole Duarte

Project: CHIU *Project#:* 124575
Received: May 22, 1997

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: **MW2**
Spl#: 133043 *Matrix:* WATER
Sampled: May 21, 1997 *Run#:* 7034 *Analyzed:* May 28, 1997

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	18000	1000	N.D.	106	20
MTBE	370	100	N.D.	94	20
BENZENE	1400	10	N.D.	93	20
TOLUENE	4200	10	N.D.	97	20
ETHYL BENZENE	680	10	N.D.	107	20
XYLENES	3600	10	N.D.	104	20

Note: Estimated concentration. Sample exceeded linear calibration. Insufficient sample for reanalysis.

Marianne Alexander
Gas/BTEX Supervisor

Chip Poalinelli
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CHROMALAB, INC.

Environmental Services (SDB)

June 2, 1997 *Submission #:* 9705339

ASSOCIATED TERRA CONSULTANTS

Atten: Nicole Duarte

Project: CHIU *Project#:* 124575
Received: May 22, 1997

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: **MW3**
Spl#: 133044 *Matrix:* WATER
Sampled: May 21, 1997 *Run#:* 7034 *Analyzed:* May 28, 1997

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	4000	1000	N.D.	106	20
MTBE	N.D.	100	N.D.	94	20
BENZENE	810	10	N.D.	93	20
TOLUENE	840	10	N.D.	97	20
ETHYL BENZENE	190	10	N.D.	107	20
XYLENES	690	10	N.D.	104	20

Note: Estimated concentration. Sample exceeded linear calibration. Insufficient sample for reanalysis.

Marianne Alexander
Gas/BTEX Supervisor

Chip Poalinelli
Operations Manager

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CHROMALAB, INC.

Environmental Services (SDB)

June 2, 1997 *Submission #:* 9705339

ASSOCIATED TERRA CONSULTANTS

Atten: Nicole Duarte

Project: CHIU *Project#:* 124575
Received: May 22, 1997

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: **MW4**
Spl#: 133045 *Matrix:* WATER
Sampled: May 21, 1997 *Run#:* 7034 *Analyzed:* May 28, 1997

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	50	N.D.	106	1
MTBE	N.D.	5.0	N.D.	94	1
BENZENE	11	0.50	N.D.	93	1
TOLUENE	120	0.50	N.D.	97	1
ETHYL BENZENE	27	0.50	N.D.	107	1
XYLENES	180	0.50	N.D.	104	1

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CHROMALAB, INC.

Environmental Services (SDB)

June 2, 1997 *Submission #:* 9705339

ASSOCIATED TERRA CONSULTANTS

Atten: Nicole Duarte

Project: CHIU *Project#:* 124575
Received: May 22, 1997

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: **MW5**
Spl#: 133046 *Matrix:* WATER
Sampled: May 21, 1997 *Run#:* 7034 *Analyzed:* May 28, 1997

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	260	50	N.D.	106	1
MTBE	N.D.	5.0	N.D.	94	1
BENZENE	2.4	0.50	N.D.	93	1
TOLUENE	33	0.50	N.D.	97	1
ETHYL BENZENE	7.7	0.50	N.D.	107	1
XYLENES	56	0.50	N.D.	104	1

Marianne Alexander
Gas/BTEX Supervisor

Chip Poalinelli
Operations Manager

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CHROMALAB, INC.

Environmental Services (SDB)

June 2, 1997 *Submission #:* 9705339

ASSOCIATED TERRA CONSULTANTS

Atten: Nicole Duarte

Project: CHIU *Project#:* 124575
Received: May 22, 1997

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: **MW6**
Spl#: 133047 *Matrix:* WATER
Sampled: May 21, 1997 *Run#:* 7034 *Analyzed:* May 28, 1997

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	760	50	N.D.	106	1
MTBE	9.9	5.0	N.D.	94	1
BENZENE	2.5	0.50	N.D.	93	1
TOLUENE	1.7	0.50	N.D.	97	1
ETHYL BENZENE	N.D.	0.50	N.D.	107	1
XYLENES	25	0.50	N.D.	104	1

Marianne Alexander
Gas/BTEX Supervisor

Chip Poalinelli
Operations Manager

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339/ 330042- 330047

33872

ASSOCIATED TERRA CONSULTANTS, Inc.
15881 Winchester Boulevard
Los Gatos, CA 95030 (408) 354-6040 (408) Fax 354-7208

CHAIN OF CUSTODY

JOB #: 9705339 REF: NV
CLIENT: ASSTER
DATE: 05/30/97
SEF #: 33872

Job Name:	Job Number	Sampling Round Number:
CHILL	124575	

ANALYSIS REQUEST

Well or Sample ID	Date	Time	Matrix	Sample Container	Preservative	Turn-around Time	HOLD	TPH-Gasoline (EPA 5030, 8015)	TPH-Gasoline (EPA 5030, 8015) w/BTEX + MTBE (EPA 602, 8020)	TPH-Diesel (EPA 3510/3550, 8015)	Purgeable aromatics BTEX + MTBE (EPA 602, 8020)	Purgeable Halocarbons (EPA 601, 8010)	Volatile Organics (EPA 624, 8240, 524.2)	Base/Neutrals, Acids (EPA 625/627, 8270, 525)	Total Oil & Grease (EPA 5520, B+F, E+F)	PCB (EPA 608, 8080)	Pesticides (EPA 608, 8080)	Total Recoverable Hydrocarbons (EPA 418.1)	LUFT Metals (Cd, Cr, Ni, Pb, Zn)	CAM Metals (17)	Priority Pollutant Metals (13)	Organic Lead	Total Lead	Extraction (TCLP, STLC)	Number of Containers
MW1	970521	N/A	H_2O	VOA/LITER	HCl VOAS ONLY	5 DAY			X																4
MW2									X																4
MW3									X																4
MW4									X																4
MW5									X																4
MW6									X																4

Relinquished by: (signature/date/time) (1)	Relinquished by: (signature/date/time) (2)	Relinquished by: (signature/date/time) (3)
5/22/97 1617	5/22/97 1924	
Received by: (signature)	**Received by: (signature)**	**Received by: (signature)**
5.22.97 1617	5/22/97 1925	

SAMPLE RECEIPT- Field To Office		SAMPLE RECEIPT- Laboratory		COMMENTS:
Total No. of Containers	24	Total No. of Containers		
Head Space		Head Space		
Rec'd in Good Condition/Cold		Rec'd in Good Condition/Cold		
Conforms to Record		Conforms to Record		
Initials/Date		Initials/Date		NICOLE H. DUARTE

CHROMALAB, INC.

Environmental Service (SDB)

Sample Receipt Checklist

Client Name: **ASSOCIATED TERRA CONSULTANTS** Date/Time Received: 05/22/97 | 1617

Reference/Submis: **33872** | 9705339 Received by: BM

Checklist completed by: Chris Rowley 5/23/97 Reviewed by: MD 5/23
Signature | Date | Initials | Date

Matrix: H2O Carrier name: Client - C/L

Shipping container/cooler in good condition?	Yes ✓	No	Not Present
Custody seals intact on shipping container/cooler?	Yes	No	Not Present ✓
Custody seals intact on sample bottles?	Yes	No	Not Present ✓
Chain of custody present?	Yes ✓	No	
Chain of custody signed when relinquished and received?	Yes ✓	No	
Chain of custody agrees with sample labels?	Yes ✓	No	
Samples in proper container/bottle?	Yes ✓	No	
Sample containers intact?	Yes ✓	No	
Sufficient sample volume for indicated test?	Yes ✓	No	
All samples received within holding time?	Yes ✓	No	
Container/Temp Blank temperature in compliance? Temp: 5.0 °C	Yes	No ✓	
Water - VOA vials have zero headspace? No VOA vials submitted	Yes	No ✓	
Water - pH acceptable upon receipt? YES Adjusted?	Checked by CR (chemist for VOAs)		

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted: _____ **Date contacted:** _____ **Person contacted:** _____

Contacted by: _____ **Regarding:** _____

Comments: Ambers rec'd w/no analysis requested — pH acceptable if Diesel of 8080 is requested

Corrective Action: _____

CHROMALAB, INC.

Environmental Services (SDB)

May 23, 1997 *Submission #:* 9705247

ASSOCIATED TERRA CONSULTANTS

Atten: Nicole Duarte

Project: CHIU *Project#:* 124575
Received: May 16, 1997

re: 7 samples for Oil and Grease analysis.
Method: *5520 E&F*

Matrix: SOIL *Extracted:* May 22, 1997
Sampled: May 15, 1997 *Run#:* 6982 *Analyzed:* May 22, 1997

Spl#	CLIENT SPL ID	OIL & GREASE (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
132289	B6-1	N.D.	50	N.D.	93.5	1
132290	B6-2	N.D.	50	N.D.	93.5	1
132292	B6-3B	N.D.	50	N.D.	93.5	1
132294	B6-4B	N.D.	50	N.D.	93.5	1
132296	B6-5B	N.D.	50	N.D.	93.5	1
132298	B6-6B	N.D.	50	N.D.	93.5	1
132299	B6-11	N.D.	50	N.D.	93.5	1

Carolyn House
Extractions Supervisor

Chip Poalinelli
Operations Manager

408-354-7208 MV 05/23

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Federal ID #68-0140157

E015 0:0C0405 CCL 17:17

CHROMALAB, INC.

Environmental Services (SDB)

May 23, 1997 *Submission #:* 9705247

ASSOCIATED TERRA CONSULTANTS

Atten: Nicole Duarte

Project: CHIU *Project#:* 124575
Received: May 16, 1997

re: 7 samples for TPH - Diesel analysis.
Method: *EPA 8015M*

Matrix: SOIL *Extracted:* May 19, 1997
Sampled: May 15, 1997 *Run#:* 6915 *Analyzed:* May 20, 1997

Spl#	CLIENT SPL ID	DIESEL (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
132289	B6-1	N.D.	1.0	N.D.	86.4	1
132290	B6-2	9.1	1.0	N.D.	86.4	1
	Note: Hydrocarbon reported has characteristics of weathered/aged Diesel. Estimated concentration due to overlapping fuel patterns.					
132292	B6-3B	N.D.	1.0	N.D.	86.4	1
132294	B6-4B	N.D.	1.0	N.D.	86.4	1
132296	B6-5B	N.D.	1.0	N.D.	86.4	1
132298	B6-6B	N.D.	1.0	N.D.	86.4	1

Matrix: SOIL *Extracted:* May 19, 1997
Sampled: May 15, 1997 *Run#:* 6915 *Analyzed:* May 21, 1997

Spl#	CLIENT SPL ID	DIESEL (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
132299	B6-11	N.D.	1.0	N.D.	86.4	1

Bruce Havlik
Chemist

Alex Tam
Semivolatiles Supervisor

408-354-7208 MV 05/23

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

May 23, 1997 *Submission #:* 9705247

ASSOCIATED TERRA CONSULTANTS

Atten: Nicole Duarte

Project: CHIU *Project#:* 124575
Received: May 16, 1997

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: **B6-1**
Spl#: 132289 *Matrix:* SOIL
Sampled: May 15, 1997 *Run#:* 6964 *Analyzed:* May 21, 1997

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	1.0	N.D.	78	1
MTBE	N.D.	0.0050	N.D.	97	1
BENZENE	N.D.	0.0050	N.D.	101	1
TOLUENE	N.D.	0.0050	N.D.	97	1
ETHYL BENZENE	N.D.	0.0050	N.D.	114	1
XYLENES	N.D.	0.0050	N.D.	112	1

Kayvan Kimyai
Chemist

Marianne Alexander
Gas/BTEX Supervisor

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

MV V132 O:BTEXQC0220
KAYVAN 16:58

CHROMALAB, INC.

Environmental Services (SDB)

May 23, 1997 *Submission #:* 9705247

ASSOCIATED TERRA CONSULTANTS

Atten: Nicole Duarte

Project: CHIU *Project#:* 124575
Received: May 16, 1997

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: **B6-2**
Spl#: 132290 *Matrix:* SOIL
Sampled: May 15, 1997 *Run#:* 6964 *Analyzed:* May 21, 1997

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	1.0	N.D.	78	1
MTBE	N.D.	0.0050	N.D.	97	1
BENZENE	N.D.	0.0050	N.D.	101	1
TOLUENE	N.D.	0.0050	N.D.	97	1
ETHYL BENZENE	N.D.	0.0050	N.D.	114	1
XYLENES	N.D.	0.0050	N.D.	112	1

Kayvan Kimyai
Chemist

Marianne Alexander
Gas/BTEX Supervisor

408-354-7208

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

MV V132 O:BTEXQC0220
KAYVAN 16:58

CHROMALAB, INC.

Environmental Services (SDB)

May 23, 1997 *Submission #:* 9705247

ASSOCIATED TERRA CONSULTANTS

Atten: Nicole Duarte

Project: CHIU *Project#:* 124575
Received: May 16, 1997

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: **B6-3B**
Spl#: 132292 *Matrix:* SOIL
Sampled: May 15, 1997 *Run#:* 6964 *Analyzed:* May 21, 1997

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	1.0	N.D.	78	1
MTBE	N.D.	0.0050	N.D.	97	1
BENZENE	N.D.	0.0050	N.D.	101	1
TOLUENE	N.D.	0.0050	N.D.	97	1
ETHYL BENZENE	N.D.	0.0050	N.D.	114	1
XYLENES	N.D.	0.0050	N.D.	112	1

Kayvan Kimyai
Chemist

Marianne Alexander
Gas/BTEX Supervisor

408-354-7208

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

MV V132 O:BTEXQC0220
KAYVAN 18:58

CHROMALAB, INC.

Environmental Services (SDB)

May 23, 1997 *Submission #:* 9705247

ASSOCIATED TERRA CONSULTANTS

Atten: Nicole Duarte

Project: CHIU *Project#:* 124575
Received: May 16, 1997

re: 7 samples for Oil and Grease analysis.
Method: *5520 E&F*

Matrix: SOIL *Extracted:* May 22, 1997
Sampled: May 15, 1997 *Run#:* 6982 *Analyzed:* May 22, 1997

Spl#	CLIENT SPL ID	OIL & GREASE (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
132289	B6-1	N.D.	50	N.D.	93.5	1
132290	B6-2	N.D.	50	N.D.	93.5	1
132292	B6-3B	N.D.	50	N.D.	93.5	1
132294	B6-4B	N.D.	50	N.D.	93.5	1
132296	B6-5B	N.D.	50	N.D.	93.5	1
132298	B6-6B	N.D.	50	N.D.	93.5	1
132299	B6-11	N.D.	50	N.D.	93.5	1

Carolyn House
Extractions Supervisor

Chip Poalinelli
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

May 23, 1997 *Submission #:* 9705247

ASSOCIATED TERRA CONSULTANTS

Atten: Nicole Duarte

Project: CHIU *Project#:* 124575
Received: May 16, 1997

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: **B6-5B**
Spl#: 132296 *Matrix:* SOIL
Sampled: May 15, 1997 *Run#:* 6964 *Analyzed:* May 21, 1997

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	1.0	N.D.	78	1
MTBE	N.D.	0.0050	N.D.	97	1
BENZENE	0.050	0.0050	N.D.	101	1
TOLUENE	0.011	0.0050	N.D.	97	1
ETHYL BENZENE	0.023	0.0050	N.D.	114	1
XYLENES	0.099	0.0050	N.D.	112	1

Kayvan Kimyai
Chemist

Marianne Alexander
Gas/BTEX Supervisor

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

MV V132 O:BTEXQC0220
KAYVAN 16:58

CHROMALAB, INC.

Environmental Services (SDB)

May 23, 1997 *Submission #:* 9705247

ASSOCIATED TERRA CONSULTANTS

Atten: Nicole Duarte

Project: CHIU *Project#:* 124575
Received: May 16, 1997

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: **B6-6B**
Spl#: 132298 *Matrix:* SOIL
Sampled: May 15, 1997 *Run#:* 6964 *Analyzed:* May 21, 1997

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	1.0	N.D.	78	1
MTBE	0.0050	0.0050	N.D.	97	1
BENZENE	N.D.	0.0050	N.D.	101	1
TOLUENE	N.D.	0.0050	N.D.	97	1
ETHYL BENZENE	N.D.	0.0050	N.D.	114	1
XYLENES	N.D.	0.0050	N.D.	112	1

Kayvan Kimyai
Chemist

Marianne Alexander
Gas/BTEX Supervisor

~~408-354-7208~~

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

MV V132 O:BTEXQC0220
KAYVAN 16:58

CHROMALAB, INC.

Environmental Services (SDB)

May 23, 1997 *Submission #:* 9705247

ASSOCIATED TERRA CONSULTANTS

Atten: Nicole Duarte

Project: CHIU *Project#:* 124575
Received: May 16, 1997

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: **B6-11**
Spl#: 132299 *Matrix:* SOIL
Sampled: May 15, 1997 *Run#:* 6964 *Analyzed:* May 21, 1997

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	1.0	N.D.	78	1
MTBE	N.D.	0.0050	N.D.	97	1
BENZENE	N.D.	0.0050	N.D.	101	1
TOLUENE	N.D.	0.0050	N.D.	97	1
ETHYL BENZENE	N.D.	0.0050	N.D.	114	1
XYLENES	N.D.	0.0050	N.D.	112	1

Kayvan Kimyai
Chemist

Marianne Alexander
Gas/BTEX Supervisor

408-354-7200

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

2247 / 132287 - 132299

33754

ASSOCIATED TERRA CONSULTANTS, Inc.
15881 Winchester Boulevard
Los Gatos, CA 95030 (408) 354-6040 (408) Fax 354-7208

CHAIN OF CUSTODY

Job Name:	Job Number	Sampling Round Number:
CHIU	1245B	

ANALYSIS REQUEST

JBM #: 9705247 REP: MV
CLIENT: ASSTER
DATE: 05/23/97
COF #: 33754

Well or Sample ID	Date	Time	Matrix	Sample Container	Preservative	Turn-around Time	HOLD	TPH-Gasoline (EPA 5030, 8015)	TPH-Gasoline (EPA 5030, 8015) w/BTEX + MTBE (EPA 602, 8020)	TPH-Diesel (EPA 3510/3550, 8015)	Purgeable aromatics	BTEX + MTBE (EPA 602, 8020)	Purgeable Halocarbons (EPA 601, 8010)	Volatile Organics (EPA 624, 8240, 524.2)	Base/Neutrals, Acids (EPA 625/627, 8270, 525)	Total Oil & Grease (EPA 5520, B+F, F	PCB (EPA 608, 8(	Pesticides (EPA 6(	Total Recoverable Hydrocarbons (EP	LUFT Metals (Cd, C	CAM Metals (17)	Priority Pollutant M	Organic Lead	Total Lead	Extraction (TCLP,	Number of Contair
B6-1	970515	N/A	SOIL	3F6"BL	N/A	5DAY			X	X						X										1
B6-2																										
B6-3																										
B6-4																										
B6-5																										
B6-6																										
B6-7																										
B6-8																										
B6-9																										
B6-10																										

Relinquished by: (signature/date/time) 1326 (1)

Received by: (signature) 5-15-97 1326

Relinquished by: (signature/date/time) 5-16 97 1858 (2)

Received by: (signature) 5-16-97 1850

Relinquished by: (signature/date/time) (3)

Received by: (signature)

SAMPLE RECEIPT- Field To Office

Total No. of Containers	10
Head Space	
Rec'd in Good Condition/Cold	
Conforms to Record	
Initials/Date	

SAMPLE RECEIPT - Laboratory

Total No. of Containers	
Head Space	
Rec'd in Good Condition/Cold	
Conforms to Record	
Initials/Date	

COMMENTS:

NICOLE H. DUARTE

9705247

33754

ASSOCIATED TERRA CONSULTANTS, Inc.
15881 Winchester Boulevard
Los Gatos, CA 95030 (408) 354-6040 (408) Fax 354-7208

CHAIN OF CUSTODY

Job Name:	Job Number	Sampling Round Number:	ANALYSIS REQUEST
CHILI	124575		

Well or Sample ID	Date	Time	Matrix	Sample Container	Preservative	Turn-around Time	HOLD	TPH-Gasoline (EPA 5030, 8015)	TPH-Gasoline (EPA 5030, 8015) w/BTEX + MTBE (EPA 602, 8020)	TPH-Diesel (EPA 3510/3550, 8015)	Purgeable aromatics BTEX + MTBE (EPA 602, 8020)	Purgeable Halocarbons (EPA 601, 8010)	Volatile Organics (EPA 624, 8240, 524.2)	Base/Neutrals, Acids (EPA 625/627, 8270, 525)	Total Oil & Grease (EPA 5520, B+F, E+F)	PCB (EPA 608, 8080)	Pesticides (EPA 608, 8080)	Total Recoverable Hydrocarbons (EPA 418.1)	LUFT Metals (Cd, Cr, Ni, Pb, Zn)	CAM Metals (17)	Priority Pollutant Metals (13)	Organic Lead	Total Lead	Extraction (TCLP, STLC)				Number of Containers
B6-11	970515	N/A	SOIL	3" BL	N/A	5DAY			X	X					X												1

Relinquished by: (signature/date/time) (1)	Relinquished by: (signature/date/time) (2)	Relinquished by: (signature/date/time) (3)
970516 1326	5-16-97 1858	
Received by: (signature) 5-15-97 1326	Received by: (signature) 5-16-97 1850	Received by: (signature)

SAMPLE RECEIPT- Field To Office		SAMPLE RECEIPT - Laboratory		COMMENTS:
Total No. of Containers	1	Total No. of Containers		
Head Space		Head Space		
Rec'd in Good Condition/Cold		Rec'd in Good Condition/Cold		
Conforms to Record		Conforms to Record		
Initials/Date		Initials/Date		NICOLE H. DUARTE

9705247

ASSOCIATED TERRA CONSULTANTS, Inc.

ENGINEERING GEOLOGY HYDROGEOLOGY ENVIRONMENTAL SERVICES

FACSIMILE COVER SHEET

970516
Date

NICOLE H. DUARTE
From

(408) 354-6040 / (408) 354-7208
Tel/Fax Number

124575 Chiu
Reference/File No

Number of pages transmitted, including this page is: 2

Subject:

Gary, Please ammend the chain of custody for the Chiu soils samples dated 970515 as follows:

B6-3 & 4 become B6-3A & 3B respectivly B6-5 & 6 become B6-4A & 4B respectivly

B6-7 & 8 become B6-5A & 5B respectvly B6-9 & 10 become B6-6A & 6B respectively

Please test B6-1, -2, -3B, -4B, -5B, -6B, and -11 for the tests originally indicated. Please hold all other samples for possible retesting. Thank you, NHD

See the chain of custody attached

Mr. Gary Cook
To

Chromalab
Firm

1 510 484 1096
Fax Number

15881 Winchester Boulevard, Los Gatos, CA 95030

ASSOCIATED TERRA CONSULTANTS, Inc. 15881 Winchester Boulevard
Los Gatos, CA 95030 (408) 354-6040 (408) Fax 354-7208

CHAIN OF CUSTODY

9705247

Job Name: CHIU | Job Number: 1245B | Sampling Round Number:

ANALYSIS REQUEST

Well or Sample ID	Date	Time	Matrix	Sample Container	Preservative	Turn-around Time	HOLD	TPH-Gasoline (EPA 5030, 8015)	TPH-Gasoline (EPA 5030, 8015) w/BTEX + MTBE (EPA 602, 8020)	TPH-Diesel (EPA 3510/3550, 8015)	Purgeable aromatics BTEX + MTBE (EPA 602, 8020)	Purgeable Halocarbons (EPA 601, 8010)	Volatile Organics (EPA 624, 8240, 524.2)	Base/Neutrals, Acids (EPA 625/627, 8270, 525)	Total Oil & Grease (EPA 5520 B+F, E+F)	PCB (EPA 608, 8080)	Pesticides (EPA 608, 8080)	Total Recoverable Hydrocarbons (EPA 418.1)	LUFT Metals (Cd, Cr, Ni, Pb, Zn)	CAM Metals (17)	Priority Pollutant Metals (13)	Organic Lead	Total Lead	Extraction (TCLP, STLC)	Number of Containers
B6-1	970515	N/A	SOIL	3 for 6" BL	N/A	5 DAY																		10
B6-2																								
B6-3 (B6-3A, B6-3B)							ND																	
B6-4 (B6-4A, B6-4B)							ND																	
B6-5 (B6-5A, B6-5B)							ND																	
B6-6 (B6-6A, B6-6B)							ND																	
B6-7							ND																	
B6-8							ND																	
B6-9							ND																	
B6-10							ND																	

Relinquished by: (signature/date/time) 1326 (1) | Relinquished by: (signature/date/time) (2) | Relinquished by: (signature/date/time) (3)

Received by: (signature) 5-15-97 1326 | Received by: (signature) | Received by: (signature)

SAMPLE RECEIPT- Field To Office
Total No. of Containers: 10
Head Space:
Rec'd in Good Condition/Cold:
Conforms to Record:
Initials/Date:

SAMPLE RECEIPT - Laboratory
Total No. of Containers:
Head Space:
Rec'd in Good Condition/Cold:
Conforms to Record:
Initials/Date:

COMMENTS:

NICOLE H. DUARTE

ASSOCIATED TERRA CONSULTANTS, Inc.

ASSOCIATED TERRA CONSULTANTS, Inc. 15881 Winchester Boulevard
Los Gatos, CA 95030 (408) 354-6040 (408) Fax 354-7208

CHAIN OF CUSTODY

9705241

Job Name:	Job Number	Sampling Round Number:	ANALYSIS REQUEST
CHIL	124575		

Well or Sample ID	Date	Time	Matrix	Sample Container	Preservative	Turn-around Time	HOLD	TPH-Gasoline (EPA 5030, 8015)	TPH-Gasoline (EPA 5030, 8015) w/BTEX + MTBE (EPA 602, 8020)	TPH-Diesel (EPA 3510/3550, 8015)	Purgeable aromatics BTEX + MTBE (EPA 602, 8020)	Purgeable Halocarbons (EPA 601, 8010)	Volatile Organics (EPA 624, 8240, 524.2)	Base/Neutrals, Acids (EPA 625/627, 8270, 525)	Total Oil & Grease (EPA 5520, B+F, E+F)	PCB (EPA 608, 8080)	Pesticides (EPA 608, 8080)	Total Recoverable Hydrocarbons (EPA 418.1)	LUFT Metals (Cd, Cr, Ni, Pb, Zn)	CAM Metals (17)	Priority Pollutant Metals (13)	Organic Lead	Total Lead	Extraction (TCLP, STLC)	Number of Containers
B6-11	970515	N/A	SOIL	3"BL	N/A	5DAY			X	X					X										1

Relinquished by: (signature/date/time) (1)	Relinquished by: (signature/date/time) (2)	Relinquished by: (signature/date/time) (3)
1324 970516		
Received by: (signature) 5-15-97 1326	Received by: (signature)	Received by: (signature)

SAMPLE RECEIPT- Field To Office		SAMPLE RECEIPT - Laboratory		COMMENTS:
Total No of Containers	1	Total No. of Containers		
Head Space		Head Space		
Rec'd in Good Condition/Cold		Rec'd in Good Condition/Cold		
Conforms to Record		Conforms to Record		
Initials/Date		Initials/Date		NICOLE H. DUARTE

CHROMALAB, INC.

Environmental Service (SDB)

Sample Receipt Checklist

Client Name: **ASSOCIATED TERRA CONSULTANTS** Date/Time Received: **05/16/97** | 1326

Reference/Submis: **33754** | **9705247** Received by: BM

Checklist completed by: Chris Powell 5/19/97 Reviewed by: MV 5/19
Signature Date Initials | Date

Matrix: Soil Carrier name: Client (C/L)

Shipping container/cooler in good condition?	Yes ✓	No	Not Present
Custody seals intact on shipping container/cooler?	Yes	No	Not Present ✓
Custody seals intact on sample bottles?	Yes	No	Not Present ✓
Chain of custody present?	Yes ✓	No	
Chain of custody signed when relinquished and received?	Yes ✓	No	
Chain of custody agrees with sample labels?	Yes ✓	No	
Samples in proper container/bottle?	Yes ✓	No	
Sample containers intact?	Yes ✓	No	
Sufficient sample volume for indicated test?	Yes	No ✓	
All samples received within holding time?	Yes ✓	No	
Container/Temp Blank temperature in compliance? Temp: 5.6°C	Yes ✓	No	
Water - VOA vials have zero headspace? No VOA vials submitted ✓	Yes	No	
Water - pH acceptable upon receipt? ____ Adjusted? ____ Checked by ____ (chemist for VOAs)			

Any No and/or NA (not applicable) response must be detailed in the comments section below.

==========

Client contacted: _____ **Date contacted:** _____ **Person contacted:** _____

Contacted by: _____ **Regarding:** _____

Comments: _____

Corrective Action: _____

CHROMALAB

Change request received by: N. DUARTE

Date Requested: 5, 19, 97

SAMPLE STATUS CHANGE FORM

Submission#	Client Samp.ID	Old Status Description	Description of Changes	Requested by (Client's name)
9705247	See	Attached	SAMPLE ID'S HAVE BEEN CHANGED AND B6-3A, B6-4A, B6-5A, & B6-6A HAVE BEEN PUT ON "HOLD	ASSOCIATED TERRA

Changes were done in lims by(login): CRowley On: 5, 19, 97

CC: ___ Lab.Director ___ Dept.manager ___ Analyst ___ Proj.Manager

File No: 124575

LOG OF MONITORING WELL - MW-6

Client: Chiu
Site: 800 Franklin St.
Drillers: Kvilhaug
Drill Rig: B-61
Auger Type/Size: 8" hollow stem
Top of Casing Elevation: 33 (Local Datum)

Logged By: RH
Approved By:
Date Completed: May 15, 1997
Casing Diameter: 2 in.
Screen Size: .010
Filter pack: #3 sand

Symbols used explained on "Key to Boring Logs"

Sample Number	Sampler	Blows per foot	F.I.D. Reading (ppm)	Dry Unit Weight p.c.f.	Well Data	Depth in feet	U.S. C.S.	Surface Conditions: Concrete Description
						0		**Concrete Slab.**
								Baserock, grayish-brown crushed rock.
								Sand, medium-grained, brown, slightly damp to damp, dense; no odor.
								Some clay
						5		
B6-1		48						
								Easy drilling.
						10		No odor.
B6-2		24						
								Increased sand, decreased clay, moisture change to wet.
						15		**Clayey sand,** medium-grained, grayish-green, damp, dense; some petroleum hydrocarbon odor.
B6-3A B6-3B		42						
								Sand, medium- to coarse-grained, greenish-gray, damp, dense.
						20		

ASSOCIATED TERRA CONSULTANTS, Inc.

File No: 124575

LOG OF MONITORING WELL MW- 6 (Continued)

Sample Number	Sampler	Blows per foot	F.I.D. Reading (ppm)	Dry Unit Weight p.c.f.	Well Data	Depth in feet	U.S. C.S.	Description
						20		
B6-4A B6-4B		42				▽		Color change to gray.
						25		
B6-5A B6-5B		97						
						30		Change color to grayish-green.
B6-6A B6-6B		50						
						35		
B6-11		14						Bottom of hole at 36-1/4 ft. Free groundwater encountered at 22-1/2 ft.
						40		
						45		

KEY TO BORING LOGS

BORING LOG SYMBOL

—	Geologic contact line
═	Termination of boring
▽	Water level, preliminary measurement
▼	Water level, stabilized

SAMPLE RECOVERY

■	Undisturbed sample, retained for lab testing
▯	Sampler drive distance, sample examined in the field
☒	No sample recovered
SPT	Standard Penetration Test

SOIL SAMPLE TYPE

C	California
CM	California Modified
HS	Driven manual Hand Sampler
NQ	NQ Wireline
P	Piston
PB	Pitcher Barrel
SS	Split Spoon (Terzaghi)

BAY AREA RAPID TRANSIT DISTRICT
800 Madison Street - Lake Merritt Station
P.O. Box 12688
Oakland, CA 94604-2688
Telephone (510) 464-6000

August 29, 1996

ALSO VIA FAX @ (408) 377-1810

Nicole Duarte
Associated Terra Consultants, Inc.
15039 Downing Oak Court, Suite 3
Los Gatos, CA 95032

Dear Ms Duarte:

Re: Monitoring Well #6, 800 Franklin St, Oakland

Based on field obversations made by me on August 28, 1996, there is no conflict with the proposed location of your well, as marked on the ground, and our facilities in that area. The marked location was approximately: six feet east of the curb on the west side of Franklin Street and three feet north of the northerly crosswalk stripe crossing Franklin on the north side of Eighth Steet. Based on those dimensions, the proposed well will be about 5.9 feet south of the southerly edge of our subsurface easement and 17.5 feet from the southerly outside edge of our "KBR" tunnel, more or less.

Based on the above, no further review or BART permit will be required. If the proposed location is changed or if the work is to be done by other than standard auger type drilling equipment, please contact me immediately for review of any changes

Thank you for letting us review your proposal and the possible impact on our system. If you have any further questions, or if you need more information, please call me at (510) 464-6161.

Sincerely,

Les Freligh, PLS
Senior Real Estate Engineer

cc: D. Hill
R. Jones
M. Chiu
J. Yee
H. Tafaghodi
C. McDonald
C. Koukis

G:\LES\MEMOLTRS\800FRKLN.OAK

Oakland
All-America City
1993

CITY OF OAKLAND

OFFICE OF PLANNING & BUILDING • 1330 BROADWAY • OAKLAND, CALIFORNIA 94612

Administration	238-7200	Building Services	238-3587	Planning	238-3941
Engineering Services	238-2110	Operations	238-3443	Zoning	238-7206

June 24, 1996

Mr. Chen-Tso Chiu
812 - 5th Avenue
Oakland, CA 94606

Dear Mr. Chiu:

RE: MINOR ENCROACHMENT PERMIT FOR MONITORING WELL IN FRANKLIN STREET

Enclosed are the Minor Encroachment Permit and Agreement and the Conditions For Granting a Minor Encroachment Permit allowing you to place one monitoring well within the public right-of-way of Franklin Street.

Before the permit will become effective, however, it must be signed by the person(s) having the legal authority to do so, properly notarized with notary acknowledgement slip(s) attached, and returned to this office to the attention of Roger Tam for recordation.

You must also obtain a street excavation permit from the Engineering Information Counter, 2nd Floor, 1330 Broadway, prior to the start of the proposed work in the City right-of-way. For questions regarding the street excavation permit, call the Engineering Information Counter at (510) 238-4777 between 8 a.m. and 4 p.m., Monday through Friday.

If you have any other questions regarding this minor encroachment permit, please call Roger Tam at (510) 238-6314.

Very truly yours,

TERI ROBINSON
Office of Planning & Building
Interim Director

By Philip A. Grubstick
PHILIP A. GRUBSTICK
Engineering Services Manager

Enclosures

:rt
file: frklin800.mw\conv-let(9)

NOTICE TO ALL APPLICANTS

PLEASE SIGN this instrument in the presence of a **NOTARY PUBLIC**.

Sign name(s) **EXACTLY** as you print or type your name(s) and title(s) in instrument (same spelling, match middle initial(s), etc.). Otherwise, it cannot be recorded.

If the benefiting property is owned by an individual, or individuals, all deeded owners must sign. If the benefiting property is owned by a corporation or a partnership, etc. the document must be signed by corporate officer(s) or authorized person(s) with the authority to execute such a document.

RETURN all originals to our office (to the attention of **ROGER TAM**, Office of Planning & Building, City of Oakland, 1330 Broadway, 2nd Floor, Oakland, CA 94612) for recordation. You may make copies for your files since the recorded document will NOT be mailed to you after it is recorded in the Office of Recorder, Alameda County, California.

NOTICE TO NOTARY PUBLIC

Please DO NOT MAKE ANY changes or any additions of any nature on this instrument. PRINT your name in notarization form and sign only in space provided.

Affix Notary Seal (do not place seal over any inked or colored portion; it will not be microfilmed and will be returned unrecorded, causing a delay in the transaction) onto an acknowledgement slip(s) only.

If document is signed in California:

You MUST attach a FULL-PAGED California All-Purpose Acknowledgement Slip(s), fill in all necessary information and check appropriate box(es).

For signers other than individuals (corporate officer, company representative, etc. you MUST check the appropriate box and fill in the name of entity signer(s) is (are) representing under "SIGNER IS REPRESENTING:" in the "CAPACITY CLAIMED BY SIGNER" Section.

file: encnote.doc
Updated 05/95

City of Oakland
Director of Planning & Building
1330 Broadway, 2nd Floor
Oakland, CA 94612

When Recorded Mail to:
Engineering Information
Office of Planning and Building
City of Oakland
1330 Broadway, 2nd Floor
Oakland, CA 94612

TAX ROLL PARCEL NUMBER
(ASSESSOR'S REFERENCE NUMBER)

MAP	BLOCK	PARCEL	SUB
001	0193	057	00

SPACE ABOVE FOR RECORDER'S USE ONLY

Address: 800 Franklin Street, Oakland

MINOR ENCROACHMENT PERMIT AND AGREEMENT

Chen-Tso Chiu, owner of that certain property described in the Grant Deed recorded July 24, 1991, Series No. 91-192371, in the Office of the Recorder, Alameda County, California and commonly known as 800 Franklin Street, is hereby granted a Conditional Revocable Permit to encroach into the public right-of-way of Franklin Street with one monitoring well. The location of said encroachment shall be as delineated in Exhibit 'A' attached hereto and made a part hereof.

The permittee agrees to comply with and be bound by the conditions for granting an Encroachment Permit attached hereto and made a part hereof.

This agreement shall be binding upon the undersigned, the present owner of the property described above, and his successors in interest thereof.

In witness whereof, we have set our signatures this day of , 1996.

Name: Chen-Tso Chiu

<~~ Please attach California all-purpose acknowledgment slip here

BELOW FOR OFFICIAL USE ONLY

CITY OF OAKLAND

Dated_____

By:_____
CALVIN N. WONG
Deputy Director
Building Services
For
TERI ROBINSON
Office of Planning & Building
Interim Director

:rt

file: frkln800.mw\per&agt(9)

TO: Chen-Tso Chiu
(APN: 001-0193-057-00)

Address: 812 - 5th Ave, Oakland, CA 94606

RE: Minor Encroachment Permit for Monitoring Well in Franklin Street

CONDITIONS FOR GRANTING A MINOR ENCROACHMENT PERMIT

1. That this permit shall be revocable at the pleasure of the Director of Planning & Building.

2. That the permittee, by the acceptance, either expressed or implied, of the minor encroachment permit hereby disclaims any right, title, or interest in or to any portion of the public sidewalk or street area, and agrees that said temporary use of said area does not constitute an abandonment on the part of the City of Oakland of any of its rights for street purposes and otherwise.

✓ 3. The permittee shall maintain in force and effect at all times that said encroachment occupies said public sidewalk or street area, good and sufficient public liability insurance in the amount of $300,000 for each occurrence, and property damage insurance in the amount of $50,000 for each occurrence, both including contractual liability insuring the City of Oakland against any and all claims arising out of the existence of said encroachment in said public sidewalk or street area, and that a certificate of such insurance and subsequent notices of the renewal thereof, shall be filed with the Director of Planning & Building of the City of Oakland, and that such certificate shall state that said insurance coverage shall not be canceled or be permitted to lapse without thirty (30) days written notice to said Director of Planning & Building. The Permittee also agrees that the City may review the type and amount of insurance required of the Permittee every five (5) years and may require the permittee to increase the amount of and/or change the type of insurance coverage required.

4. That the permittee, by the acceptance, either expressed or implied, of this revocable permit shall be solely and fully responsible for the repair or replacement of any portion or all of said improvements in the event that said improvements shall have failed or have been damaged to the extent of creating a menace or of becoming a hazard to the safety of the general public; and that the permittee shall be liable for the expenses connected therewith.

5. That upon the termination of the permission herein granted, permittee shall immediately remove said encroachment from the sidewalk and street area, and any damage resulting therefrom shall be repaired to the satisfaction of the Director of Planning & Building.

6. That the permittee shall file with the City of Oakland for recordation a Minor Encroachment Permit and Agreement, and shall be bound by and comply with all the terms and conditions of said permit.

7. That said permittee shall obtain an excavation permit prior to the construction and a separate excavation permit prior to the removal of the ground water monitoring wells.

8. That said permittee shall provide to the City of Oakland an AS BUILT plan showing the actual location of the ground water monitoring wells and the results of all data collected from the monitoring wells.

9. That said permittee shall remove the monitoring wells and repair any damage to the sidewalk or street area in accordance with City standards two (2) years after construction or as soon as monitoring is complete.

10. That said permittee shall notify the Office of Planning & Building after the monitoring well(s) is/are removed and the sidewalk or street area restored to initiate the procedure to rescind the minor encroachment permit.

11. That monitoring well covers installed within the sidewalk area shall have a skidproof surface. A precast concrete utility box may be used in conjunction with the bolted cast iron cover with City approval.

12. That the ground water monitoring well casting and cover shall be cast iron and shall meet H-20 load rating. The cover shall be secured with a minimum of two stainless steel bolts. Bolts and cover shall be mounted flush with the surrounding surface.

13. That the permittee acknowledges that the City makes no representations or warranties as to the conditions beneath said encroachment. By accepting this revocable permit, permittee agrees that it will use the encroachment area at its own risk, is responsible for the proper coordination of its activities with all other permittees, underground utilities, contractors, or workmen operating within the encroachment area and for the safety of itself and any of its personnel in connection with its entry under this revocable permit.

14. That the permittee acknowledges that the City is unaware of the existence of any hazardous substances beneath the

encroachment area, and hereby waives and fully releases and forever discharges the City and its officers, directors, employees, agents, servants, representatives, assigns and successors from any and all claims, demands, liabilities, damages, actions, causes of action, penalties, fines, liens, judgments, costs, or expenses whatsoever (including, without limitation, attorneys' fees and costs), whether direct or indirect, known or unknown, foreseen or unforeseen, that may arise out of or in any way connected with the physical condition, or required remediation of the excavation area or any law or regulation applicable thereto, including, without limitation, the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended (42 U.S.C. Sections 9601 et seq.), the Resource Conservation and Recovery Act of 1976 (42 U.S.C. Section 6901 et seq.), the Clean Water Act (33 U.S.C. Section 466 et Seq.), the Safe Drinking Water Act (14 U.S.C. Sections 1401-1450), the Hazardous Materials Transportation Act (49 U.S.C. Section 1801 et seq.), the Toxic Substance Control Act (15 U.S.C. Sections 2601-2629), the California Hazardous Waste Control Law (California Health and Safety Code Sections 25100 et seq.), the Porter-Cologne Water Quality Control Act (California Health and Safety Code Section 13000 et seq.), the Hazardous Substance Account Act (California Health and Safety Code Section 25300 et seq.), and the Safe Drinking Water and Toxic Enforcement Act (California Health and Safety Code Section 25249.5 et seq.).

15. Permittee further acknowledges that it understands and agrees that it hereby expressly waives all rights and benefits which it now has or in the future may have, under and by virtue of the terms of California Civil Code Section 1542, which reads as follows: "A GENERAL RELEASE DOES NOT EXTEND TO CLAIMS WHICH THE CREDITOR DOES NOT KNOW OR SUSPECT TO EXIST IN HIS FAVOR AT THE TIME OF EXECUTING THE RELEASE, WHICH IF KNOWN BY HIM MUST HAVE MATERIALLY AFFECTED HIS SETTLEMENT WITH THE DEBTOR."

16. Permittee recognizes that by waiving the provisions of this section, permittee will not be able to make any claims for damages that may exist, and to which, if known, would materially affect his/her decision to execute this encroachment agreement, regardless of whether permittee's lack of knowledge is the result of ignorance, oversight, error, negligence, or any other cause.

17. (a) That the permittee, by the acceptance of this revocable permit, agrees and promises to indemnify, defend, and hold harmless the City of Oakland, its officers, agents, and employees, to the maximum extent permitted by law, from any and all claims, demands, liabilities, damages, actions, causes of action, penalties, fines, liens, judgments, costs, or expenses whatsoever (including, without limitation, attorneys' fees and costs;

collectively referred to as "claims"), whether direct or indirect, known or unknown, foreseen or unforeseen, to the extent that such claims were caused by the permittee, its agents, employees, contractors or representatives.

(b) That, if any contamination is discovered below or in the immediate vicinity of the encroachment, and the contaminants found are of the type used, housed, stored, processed or sold on or from the 800 Franklin Street, Oakland, California site, such shall amount to a rebuttable presumption that the contamination below, or in the immediate vicinity of, the encroachment was caused by the permittee, its agents, employees, contractors or representatives.

(c) That the permittee shall comply with all applicable federal, state, county and local laws, rules, and regulations governing the installation, maintenance, operation and abatement of the encroachment.

(d) That the permittee hereby does remise, release, and forever discharge, and agree to defend, indemnify and save harmless, the City, its officers, agents and employees and each of them, from any and all actions, claims, and demands of whatsoever kind or nature, and any damage, loss or injury which may be sustained directly or by the undersigned and any other person or persons, and arising out of, or by reason of, the occupation of said public property, and the future removal of the above-mentioned encroachment.

18. That the hereinabove conditions shall be binding upon the permittee and the successive owners and assigns thereof.

19. That said Minor Encroachment Permit and Agreement shall take effect when all the conditions hereinabove set forth shall have been complied with to the satisfaction of the Director of Planning & Building, and shall become null and void upon the failure of the permittee to comply with all conditions hereinabove set forth.

City of Oakland
Director of Planning & Building
1330 Broadway, 2nd Floor
Oakland, CA 94612

When Recorded Mail to:
Engineering Information
Office of Planning and Building
City of Oakland
1330 Broadway, 2nd Floor
Oakland, CA 94612

Recorded in Official Records, Alameda County
Patrick O'Connell, Clerk-Recorder
35.00
96256691 11:18am 10/07/96
006 26030409 26 10
BS2 A15 8 14.00 21.00 0.00 0.00 0.00 0.00
0.00 0.00

TAX ROLL PARCEL NUMBER
(ASSESSOR'S REFERENCE NUMBER)

001	0193	057	00
MAP	BLOCK	PARCEL	SUB

SPACE ABOVE FOR RECORDER'S USE ONLY

Address: 800 Franklin Street, Oakland

MINOR ENCROACHMENT PERMIT AND AGREEMENT

Chen-Tso Chiu, owner of that certain property described in the Grant Deed recorded July 24, 1991, Series No. 91-192371, in the Office of the Recorder, Alameda County, California and commonly known as 800 Franklin Street, is hereby granted a Conditional Revocable Permit to encroach into the public right-of-way of Franklin Street with one monitoring well. The location of said encroachment shall be as delineated in Exhibit 'A' attached hereto and made a part hereof.

The permittee agrees to comply with and be bound by the conditions for granting an Encroachment Permit attached hereto and made a part hereof.

This agreement shall be binding upon the undersigned, the present owner of the property described above, and his successors in interest thereof.

In witness whereof, we have hereunto set our signatures this 29th day of July, 1996.

RESIGN FOR AMENDED DOCUMENT:

Chen-Tso Chiu

Name: Chen-Tso Chiu
Date: 4/15/97

Chen-Tso Chiu

Name: Chen-Tso Chiu

<-- Please attach California all-purpose acknowledgment slip here

BELOW FOR OFFICIAL USE ONLY

City of Oakland

Dated: 8/28/96 By: Calvin N. Wong
Calvin N. Wong
Chief of Building Services

RESIGN FOR AMENDED DOCUMENT:
CITY OF OAKLAND

for Kofi Bonner
Director
Community & Economic Development Agency

By: Calvin N. Wong
Chief of Building Services Date: _____
for Kofi Bonner, Director of Community & Economic Development Agency

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Alameda

On 15 April 1997 (Date) before me, James M. Ong Notary Public (Name and Title of Officer (e.g., "Jane Doe, Notary Public"))

personally appeared Chen-Tso Chiu (Name(s) of Signer(s))

☐ personally known to me – OR – ☑ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

JAMES M. ONG
Commission #1078711
Notary Public — California
Alameda County
My Comm. Expires Nov 29, 1999

WITNESS my hand and official seal.

James M. Ong
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: MINOR ENCROACHMENT

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

☐ Individual
☐ Corporate Officer
Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney-in-Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

Signer Is Representing:

_____

Signer's Name: _____

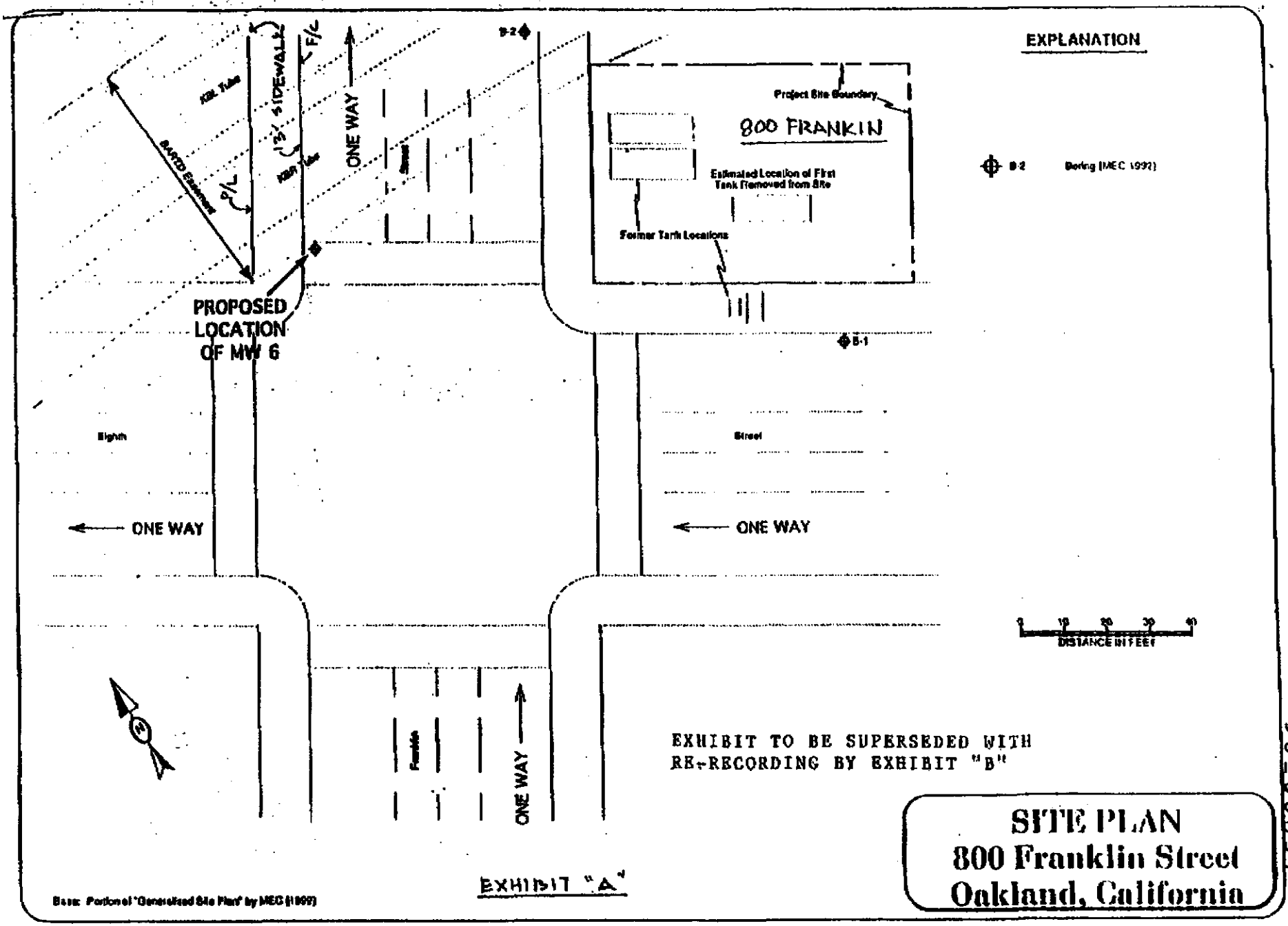
☐ Individual
☐ Corporate Officer
Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney-in-Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

Signer Is Representing:

_____

File No: 123575

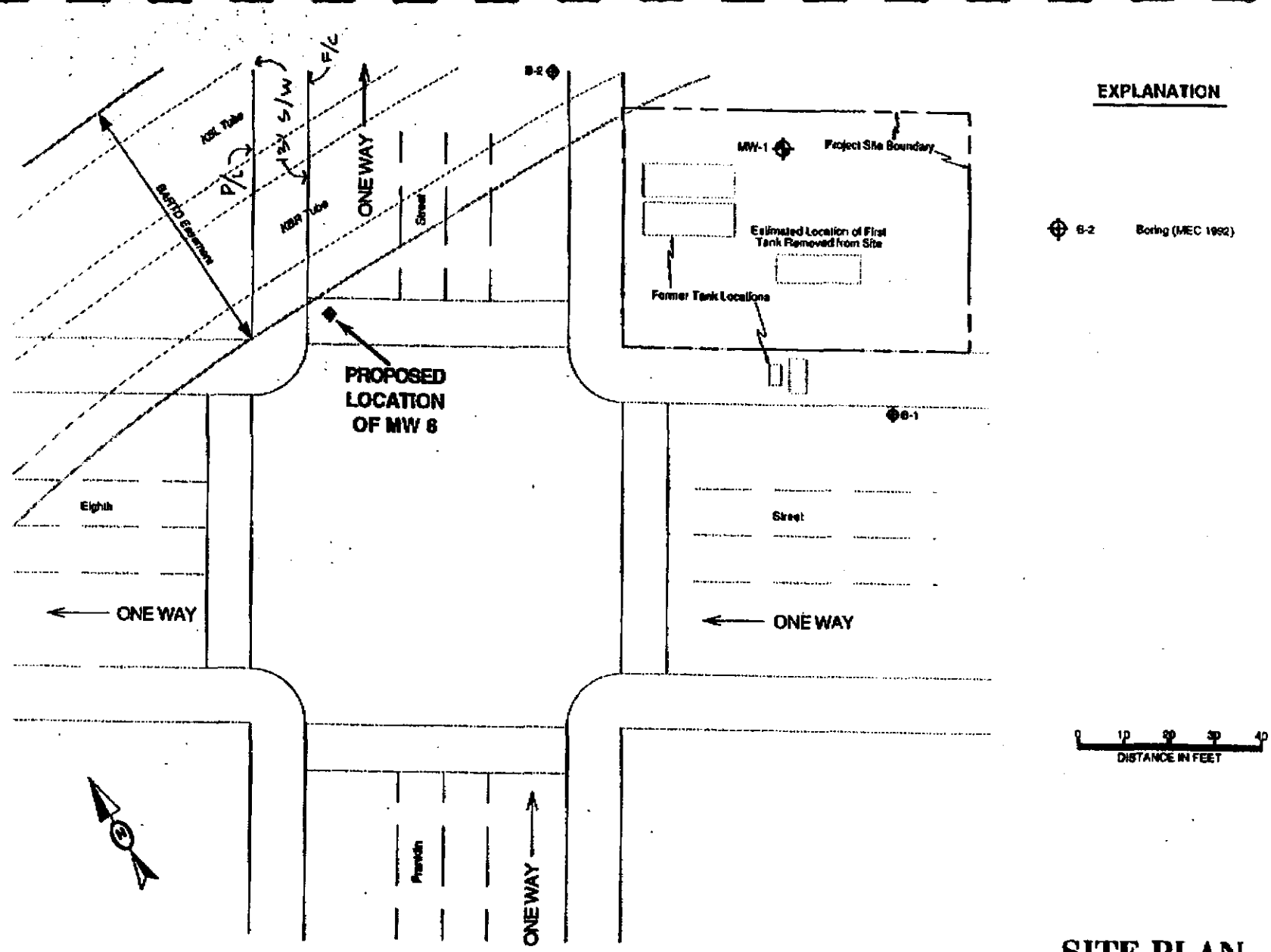


ASSOCIATED TERRA CONSULTANTS, Inc.

Plate 1

05-09-1997 02:58PM FROM F TO 9140835472 P.04

93256691



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

SITE PLAN
800 Franklin Street
Oakland, California

EXHIBIT "B"

The following condition is in addition to the "Conditions for Granting a Minor Encroachment Permit" which was recorded previously along with the Minor Encroachment Permit and Agreement:

The permittee shall provide adequate pedestrian access and protection at the site at all times, during well installation and when performing monitoring in the vicinity of the pedestrian crossing. Adequate traffic signage such as lane closure sign and other safety measures shall be employed.

File: 800franklin.mw\re-record(9)

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

and Building

CIVIL ENGINEERING

HEAD FOR. JOE LADINE

PERMIT NUMBER	X 9600713	SITE ADDRESS/LOCATION	812 5TH ave
APPROX. START DATE	APPROX. END DATE	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number)	
CONTRACTOR'S LICENSE # AND CLASS		CITY BUSINESS TAX #	

ATTENTION:

1) State law requires that the contractor/owner call *Underground Service Alert (USA)* two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1 (800) 642-2444. UNDERGROUND SERVICE ALERT (USA) #: _____

2) **48 hours prior to starting work, YOU MUST CALL (510) 238-3651 TO SCHEDULE AN INSPECTION.**

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

☐ I am exempt under Sec. _____, B&PC for this reason _____.

WORKER'S COMPENSATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # _____ Company Name _____

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars ($100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Chapter 6, Article 2 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

Signature of Permittee ☐ Agent for ☐ Contractor ☐ Owner — Date 8/28/96

DATE STREET LAST RESURFACED	1975	SPECIAL PAVING DETAIL REQUIRED?	☐ YES X NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1)	☐ YES X NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM)	X YES ☐ NO
ISSUED BY	M. Mills	DATE ISSUED	8/28/96				

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CITY ENGINEER

FOR EXCAVATION

PERMIT NUMBER	SITE ADDRESS/LOCATION
X97-00603	872 55th ave

APPROX. START DATE	APPROX. END DATE	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number)

CONTRACTOR'S LICENSE # AND CLASS	CITY BUSINESS TAX #

ATTENTION:

1) State law requires that the contractor/owner call *Underground Service Alert (USA)* two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1 (800) 642-2444. UNDERGROUND SERVICE ALERT (USA) #: 12502

2) **48 hours prior to starting work, YOU MUST CALL (510) 238-3651 TO SCHEDULE AN INSPECTION.**

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

☐ I am exempt under Sec. _____, B&PC for this reason _____

WORKER'S COMPENSATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # _____ Company Name _____

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars ($100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Chapter 6, Article 2 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

Signature of Permittee ☐ Agent for ☒ Contractor ☐ Owner — Date 5/14/97

DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED?	HOLIDAY RESTRICTION? (NOV 1 - JAN 1)	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM)
1993	X YES ☐ NO	X YES ☐ NO	X YES ☐ NO

ISSUED BY	DATE ISSUED
M. Miller	5/14/97

TRAFFIC PLAN

800 FRANKLIN STREET - OAKLAND

1.) LOCATION OF THE DRILL RIG & SUPPORT EQUIPMENT ARE IN PARKING LANES & TRAFFIC CONTROL OR LANE CLOSURES ARE NOT NEGESSARY. HOWEVER - MEN WORKING OR ROADWORK AHEAD SIGNS WILL BE POSTED IN THE [redacted] LEFT HAND PARKING LANE FACING THE NORTH BOUND TRAFFIC ON FRANKLIN STREET.

2.) ROAD WORK AHEAD SIGNS OR MEN WORKING SIGNS WILL BE POSTED IN THE RIGHT HAND PARKING LANE of EIGHTH STREET FACING THE WEST BOUND TRAFFIC.

3.) CONES WILL BE PLACED AROUND THE RIG + SUPPORT EQUIPMENT TO FURTHER ADVISE MOTORIST + PEDESTRIANS of OUR PRESENCE.

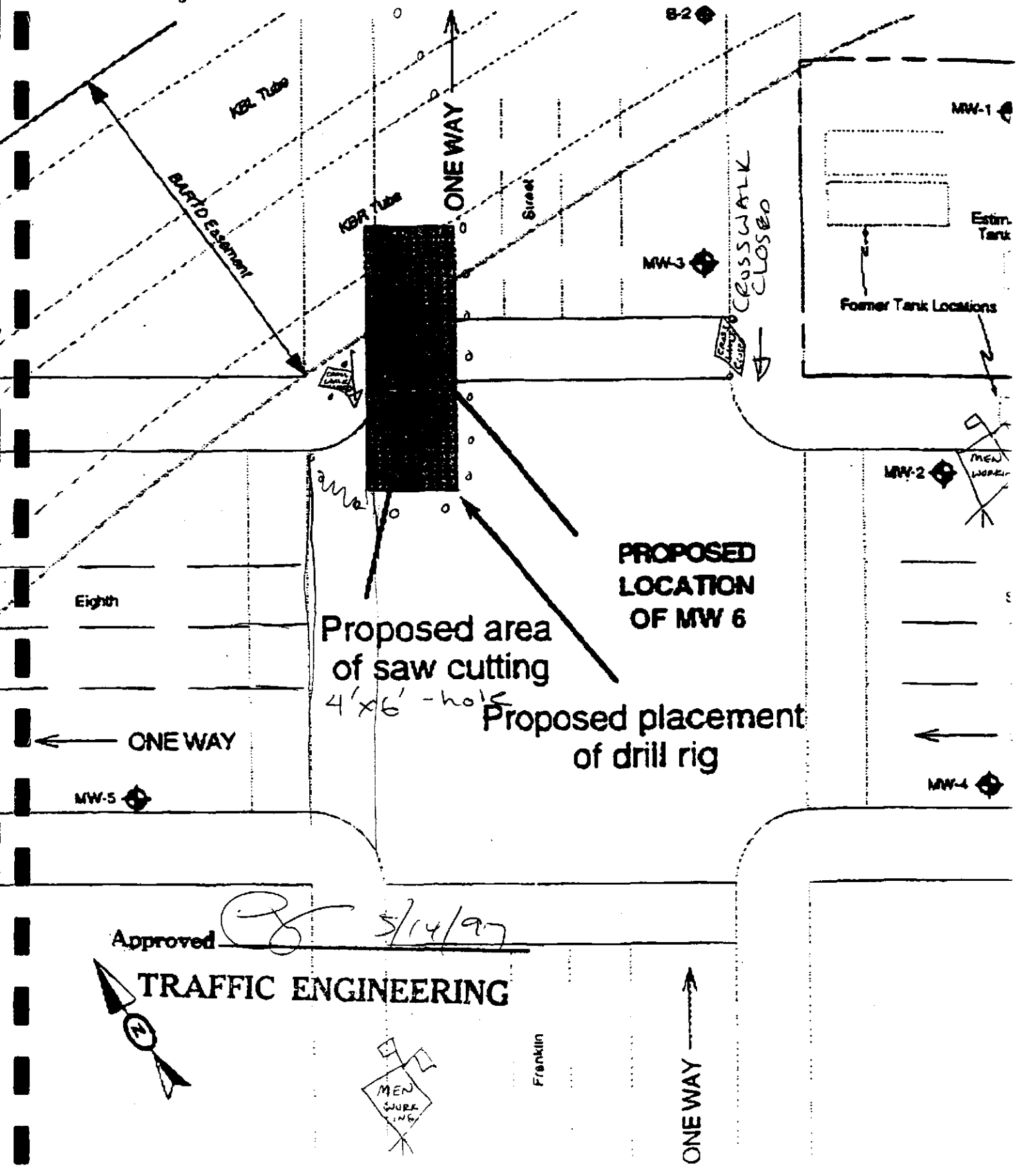
4.) HANDMADE SIGNS WILL BE POSTED AT EITHER SIDE of THE CROSS WALK WITH BARRACADES STATING THAT THE CROSS WALK IS CLOSED + POINTING PEDESTRIANS IN THE DIRECTION OF THE CROSS WALKS THAT RUN NORTH/SOUTH.

SEE ATTACHED PLAN.

Approved [signature] 5/14/97

TRAFFIC ENGINEERING

* WILL NOT ENCROACH INTO ANY TRAFFIC LANES.



ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588 VOICE (510) 484-2600
FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT INTERSECTION OF FRANKUN & 8TH, ON FRANKLIN IN OAKLAND

CLIENT
Name MR. TOMMY CHIU
Address 812 5TH AVE Voice 510-834-0300
City OAKLAND Zip 94607

APPLICANT
Name ASSOCIATED TERRA CONSULTANTS
NICOLE H. DUARTE Fax 408 354 7208
Address 15881 WINCHESTER Voice 408 354 6040
City BLVD. LOS GATOS Zip 95030

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	___	General	___
Water Supply	___	Contamination	___
Monitoring	X	Well Destruction	___

PROPOSED WATER SUPPLY WELL USE
Domestic ___ Industrial ___ Other QUALITY
Municipal ___ Irrigation ___

DRILLING METHOD:
Mud Rotary ___ Air Rotary ___ Auger X
Cable ___ Other ___

DRILLER'S LICENSE NO. C57 # 482390

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum
Casing Diameter 2 in. Depth 35 ft.
Surface Seal Depth 1-5 ft. Number 1

GEOTECHNICAL PROJECTS
Number of Borings ___ Maximum
Hole Diameter ___ in. Depth ___ ft.

ESTIMATED STARTING DATE 970408
ESTIMATED COMPLETION DATE 970408

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [signature] Date 970326

FOR OFFICE USE

PERMIT NUMBER 97197
LOCATION NUMBER ___

PERMIT CONDITIONS

Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

(B.) WATER WELLS, INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

C. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

E. WELL DESTRUCTION. See attached.

Approved Wyman Hong Date 28 Mar 97
Wyman Hong

91992

APPENDIX D

STANDARD DRILLING, SEALING AND SAMPLING PROTOCOL

SUBSURFACE INVESTIGATION AND TESTING

800 FRANKLIN STREET, OAKLAND, CALIFORNIA

DRILLING AND SEALING

1. Associated Terra Consultants, Inc. will acquire the proper permit necessary to drill the proposed well.

2. The borings will be drilled with continuous-flight, hollow-stem augers of at least three inches ID and six to 12 inches OD, or a hand auger of four inches OD. All augers will be thoroughly steam cleaned at a location well away from the location of the proposed boring. This will be accomplished before drilling begins to prevent the introduction of contamination from off-site. Cleaned augers will be stored when not actually in use during drilling operations on steam-cleaned benches set-up for that purpose.

3. A geologic drilling log will be maintained of the materials encountered in each boring. The log will include descriptions of the texture, color, moisture content, consistency, plasticity and any unusual characteristics noted, including any indications noted that might indicate the presence or absence of contamination.

4. The exploratory soils borings will be drilled to a depth of approximately nine feet, or to the top of the saturated zone beneath the waste water sump. The boring for the ground water monitoring well will be drilled to a depth of at least 15 feet below the top of the saturated zone, or to a depth of five feet into a perching layer encountered beneath the saturated zone, whichever is shallowest. If no perching layer is encountered after the boring has been advanced 15 feet into saturated materials, the boring will be terminated. If contaminants are present in earth samples from the bottom of the boring when the depth above is encountered during drilling, the Engineering Geologist will consult with the designated on-site representative as to the client's desire to complete the borings at that depth or to continue until no contamination is detected.

5. All PVC pipe used in the construction of the well will be thoroughly steam-cleaned or cleaned with trisodiumphosphate (TSP) and de-ionized water prior to being introduced into the bore hole.

6. A ground water monitoring well will be constructed in the deepest boring. A bentonite seal plug will be positioned as necessary as a base for the well casing, and two-inch ID schedule 40 PVC pipe, screened over the interval expected to be the saturated zone during wet and dry seasonal fluctuations, will be introduced into the boring. Sections may be either threaded or screwed together, and no PVC cement will be used. The annulus of the perforated sections will be packed with washed pea gravel or coarse sand for the length of the saturated zone, upon which will be placed a layer of washed fine sand as a transition zone between the gravel and the bentonite slurry or bentonite pellets. About 1/2-bag of bentonite slurry or bentonite pellets will be placed on top of the sand, upon which will be inserted a class-A cement grout plug to the surface. Multiple aquifers encountered will be isolated from one another and from the surface by class-A cement and bentonite grout plugs tremied or inserted into proper position. The top of the well casing will be locked to prevent contamination and tampering.

7. During drilling operations sufficient 55-gallon drums will be necessary on-site for proper storage of potentially contaminated earth cuttings. About three 55-gallon drums will be required for the proper disposal of potentially contaminated soils and waste water at a certified disposal site, if necessary.

SAMPLING

General

8. All chemical sampling, handling, and storage will be conducted under the direction of our Registered Environmental Assessor.

9. All sample containers will be properly tagged and identified in the field with a label containing the date, sample identification, and the Associated Terra Consultants, Inc. job number for the work being performed.

10. At no time will the time elapsed between sample acquisition and sample delivery to the outside laboratory be greater than three days.

11. Under no circumstances will preservatives be added to the samples.

12. At no time will sample containers be opened by other than laboratory personnel who will perform the specified chemical analyses.

13. We have been advised by our outside laboratory that the useful durations of soils and ground water samples for the appropriate chemical testing are one month and two weeks, respectively.

14. Ground water and soils samples will be disposed of in Class 1 or Class 2-1 sites as necessary after acceptance of our report or upon receipt of your authorization.

Concrete Samples

15. The concrete samples will be obtained using a jack hammer. Pieces of the removed concrete will be selected so as to be representative of the entire thickness of the concrete slab.

Soils Samples

16. Soils samples will be taken in the borings starting at the approximate depth of the bottom of the sump as best known or estimated, and at 2- to 5-foot intervals beneath that depth to the depth at which a saturated zone is encountered, or to the bottom of each boring if no saturated zone is encountered.

17. Soil sampler casings will be disassembled, and steam-cleaned or cleaned in soapy water, rinsed with tap water and de-ionized water and air-dried, just prior to taking each sample. The casings will then be re-assembled with similarly cleaned and dried brass sample liners and carefully lowered into the hollow stem of the auger string. At least one empty brass liner from each boring will be prepared in the same manner as those in the sample casings, but sealed directly after drying to be analyzed as a quality control sample blank.

18. The soils samples in the bottom of the three brass liners in the sample casings, if in good condition, will be taken as the samples to be tested. The samples will be labeled and sealed in the field in their original liners or in thoroughly cleaned Teflon-lined sample containers provided by the outside laboratory specifically for that purpose. Aluminum foil covers will be placed on the ends of the liners and held in place by clean plastic caps wrapped with aluminized duct tape.

19. The middle liners from the sampler will be extruded in the field and examined to help provide the detailed information recorded on the boring logs. The cuttings from the borings also will be examined during the drilling operations to provide a continuous log of the materials encountered. The soils from the top two liners and all cuttings from the drilling operations will be placed in 55-gallon drums.

20. All samples will be packed in ice in a covered cooler-box specifically designated for that purpose, for transport to the outside laboratory. The condition of the ice will be monitored and renewed as necessary.

21. The center core material will be extracted from the sample liners in the laboratory for testing purposes. The remaining soil materials will be kept stored at the lab in their original sample liners for 30 days after testing, or until authorized to dispose of the samples by Associated Terra Consultants, Inc..

Ground Water Samples for Laboratory Testing

22. Water samples will be withdrawn from the well using a teflon bailer or a ground water sampling pump only after at least three to five well bore volumes have been evacuated from the casing by pumping or bailing, and withdrawal has been of sufficient duration to result in stabilized pH, temperature, and electrical conductivity levels. A field log will be maintained of all evacuation procedures and parameter monitoring.

23. The pump, hose, bailer and wire connectors will be thoroughly steam-cleaned, or rinsed in tap water and then in de-ionized water between samplings. Any rubber gloves worn for protection during sampling also will be cleaned in the same manner.

24. All water samples will be placed in cleaned teflon screw-cap sample containers designated for that purpose. Samples will be taken in duplicate with one set of samples delivered to the laboratory for analysis, and one set kept under refrigeration in our laboratory. The sample containers will be thoroughly cleaned and sealed prior to delivery to the site. The vials will be topped-off to avoid air space, and the screw cap sealed. All vials will be inverted to check for air bubbles, and re-sampled as necessary if air bubbles are found. Samples will be kept refrigerated at all times.

25. Water sample blanks using de-ionized water will be placed in cleaned 40 ml screw-cap teflon sample containers designated for that purpose. One water sample blank will be taken for each ground water sample obtained. The water sample blank will be poured into the sample vial directly from the teflon bailer after the bailer has been thoroughly steam-cleaned or rinsed and re-rinsed with de-ionized water, or pumped directly into the sample vial from the ground water sampling pump as the last stages of de-ionized cleaning water.

SAMPLE RECORDS AND CUSTODY

26. Sample records for each sample will contain information on sample type and source; our job number; the date of sampling; location; significant weather conditions; laboratory name; well data; and sampling method.

27. A chain of positive, signature custody and transference will be strictly maintained at all times.