

RO 288

PHONE (925) 284-4208
FAX (925) 284-4189
EMAIL:
johnrsutton@mindspring.com

THE SUTTON GROUP

SOILS, FOUNDATIONS, DRAINAGE, SLOPES, CONTAINMENTS
CIVIL, GEOTECHNICAL AND ENVIRONMENTAL ENGINEERING

3708 Mount Diablo Blvd
Suite 215
Lafayette, CA, 94549

May 8, 2006

Mr. Michael Cortez
Oro Loma Sanitary District
2600 Grant Avenue
San Lorenzo, 94580

Alameda County
MAY 15 2006
Environmental Health

**Results of 15th Quarterly Round of Sampling of Ground Water Monitoring Wells
Site of the Former Gasoline Tank
2600 Grant Ave., San Lorenzo, CA
OLSD PO No. 4911, LOP Site No. RO0000288 ST ID 1996**

Dear Mr. Cortez:

We attach results for the most recent round of quarterly sampling of the ground water monitoring wells in the area of the former gasoline tank, conducted on April 18, 2006. This is the 15th quarterly sampling of wells in the gasoline tank area. Beginning with this reporting period, we have separately reported the results for sampling at the diesel tank monitoring well in accordance with our discussion.

This work has been performed in accordance with the Work Plan that was approved by Alameda County Health Care Agency's Environmental Protection Division (ACEP) in their letter dated April 18, 2003, as amended.

Figure 1 is a plan of the District's facilities at the foot of Grant Avenue in San Lorenzo. It shows the relative locations of the former gasoline and diesel tanks to the sewage treatment plant and the District's offices.

Groundwater Monitoring

Review of groundwater level measurements around the former gasoline tank site indicates a slight rise of ground water elevation was noted, consistent with wetter-than-normal winter conditions. However, the groundwater conditions are lower than those of historic readings for the same quarter. Table 1 is a cumulative tabulation of groundwater data. Figure 2 shows the gradient direction as calculated on Figure 2A.

Sampling Results

Gasoline Tank Area

On April 18, 2006, water samples were collected from the three onsite wells in accordance with the approved work plan. The samples were collected by bailing.

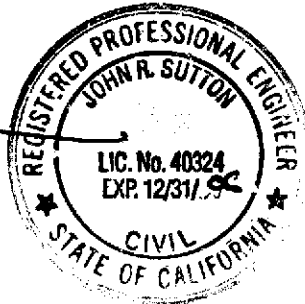
All five wells were sounded and then sampled. Each sample was analyzed for gasoline, BTEX and MTBE. Table 2 is a summary of the results of the current round of analytical results for hydrocarbons. Table 2A is a compilation of all test results for gasoline-related hydrocarbon constituents in the gasoline tank area since well sampling began in 1999. Laboratory certificates and field sampling logs are attached.

We appreciate the opportunity to be of continued service to The District. Please call me if you have questions or if I can assist you in any other way.

Yours truly,
THE SUTTON GROUP



John R. Sutton, PE

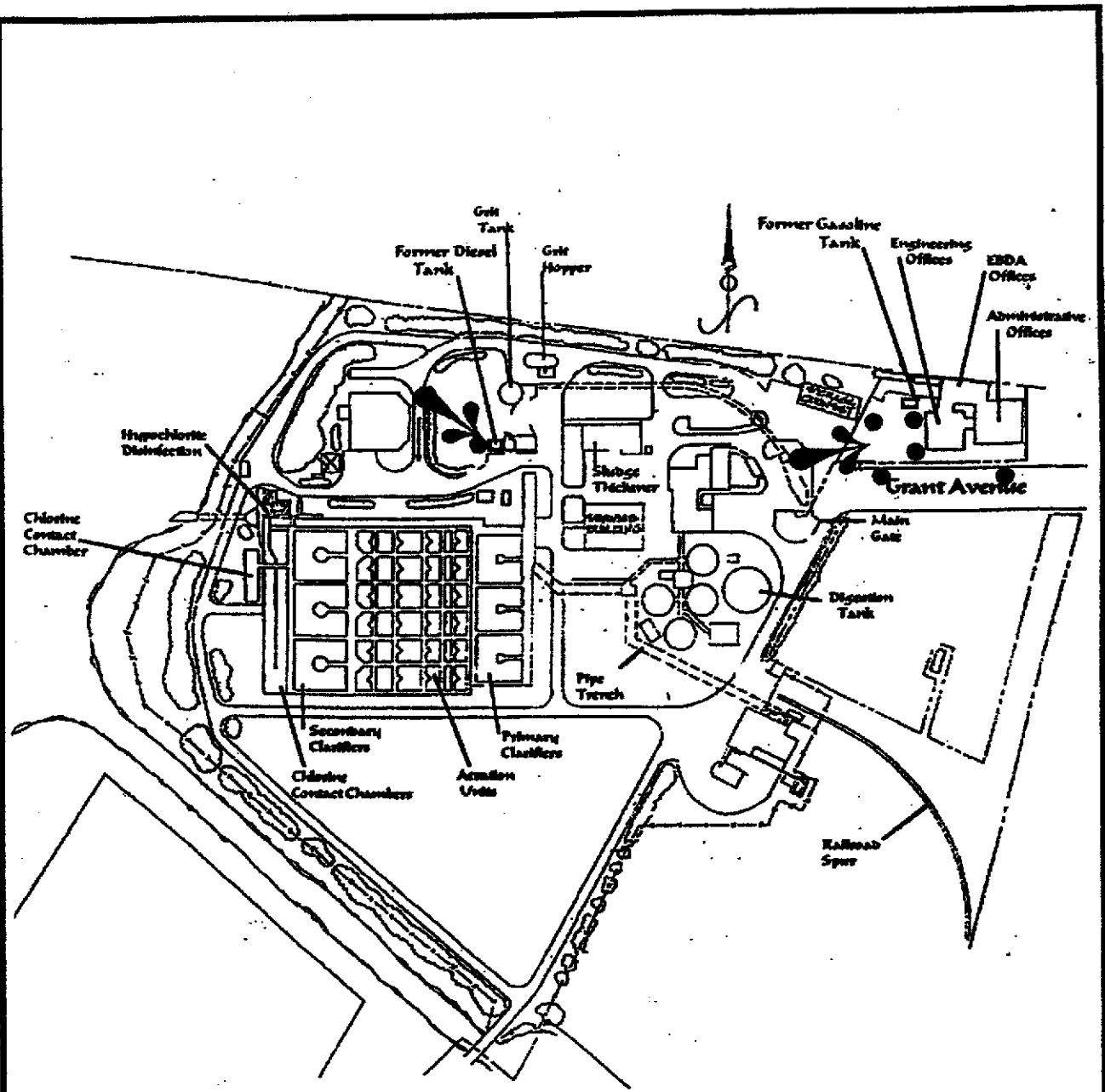


Attachments:

- | | |
|-----------|---|
| Figure 1 | Site Plan |
| Figure 2 | Well Location Plan, Former Gasoline Tank Area |
| Figure 2A | Gradient calculation sheet |
| Table 1 | Ground Water Elevations, Former Gasoline Tank Area |
| Table 2 | Summary of Current Water Sample Analyses for Gasoline and constituents, Former Gasoline Tank Area |
| Table 2A | Cumulative Summary of Water Sample Analyses, Gas Tank Area |

Analytical Laboratory Reports (McC Campbell)
Field sampling Reports (Blaine Tech)

Copy sent to Ms. Donna Drogos at Alameda County Health Dept.



SITE PLAN

● Monitoring Well Location

SCALE 1 IN. TO 250 FEET, APPROX

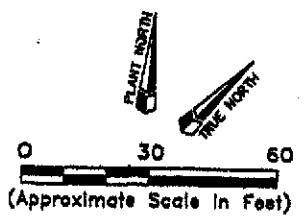
THE SUTTON GROUP.
 3708 Mount Diablo Blvd, Ste 215
 Lafayette, CA, 94549
 925 284-4208

SITE PLAN
ORO LOMA SANITARY DISTRICT
San Lorenzo, California

PROJECT No3022.10
FIGURE 1
 5/21/03

*15th Quarterly Reading
on 4/18/06*

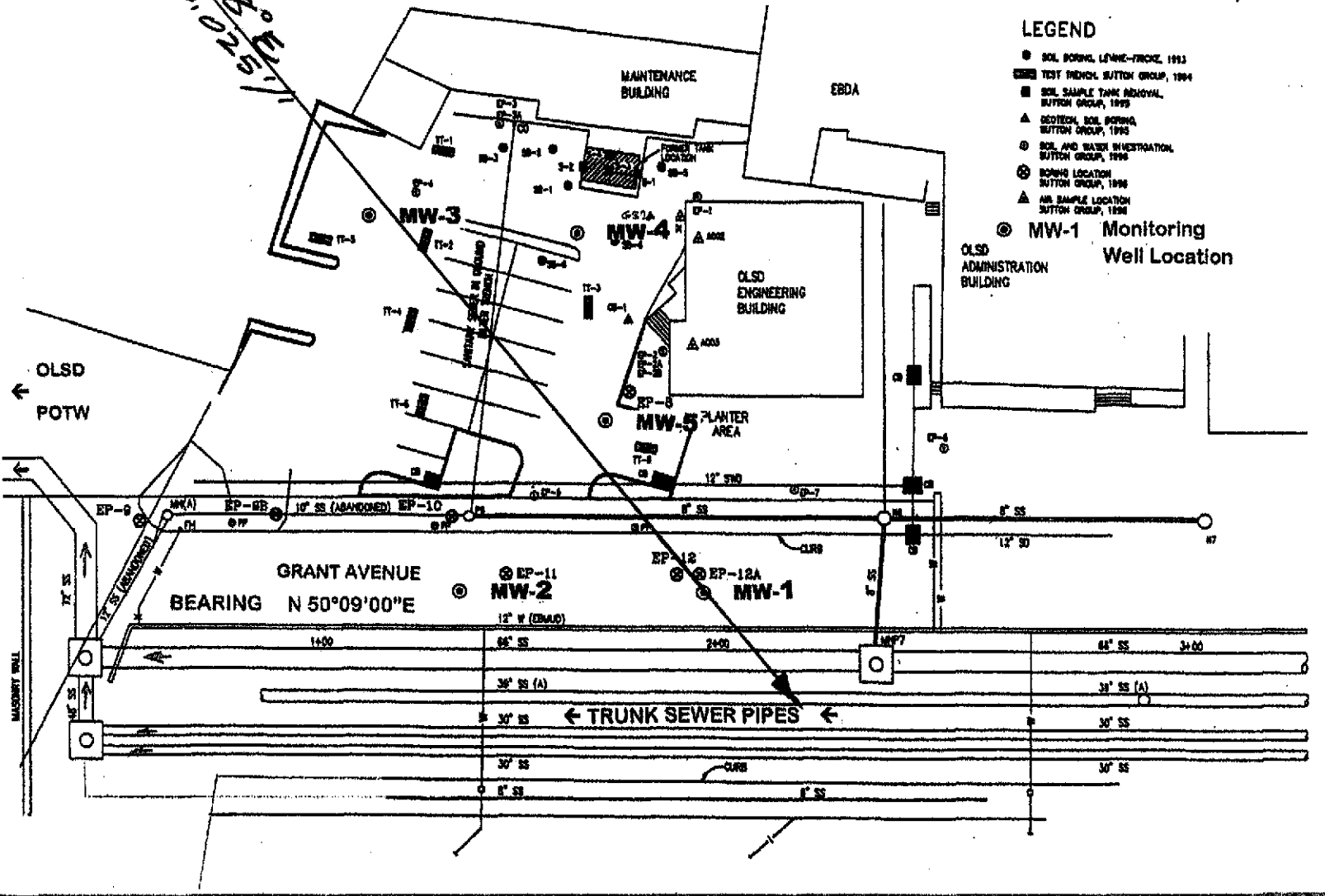
20.75' x 11.71'



LEGEND

- SOIL BORING LEVINE-FRICK, 1993
- TEST TROUGH SUTTON GROUP, 1994
- SOIL SAMPLE TANK REMOVAL SUTTON GROUP, 1995
- ▲ SCOTCH SOIL BORING SUTTON GROUP, 1996
- SOIL AND WATER INVESTIGATION SUTTON GROUP, 1996
- ⊙ BORING LOCATION SUTTON GROUP, 1996
- ▲ AIR SAMPLE LOCATION SUTTON GROUP, 1996

⊙ MW-1 Monitoring Well Location



THE SUTTON GROUP
 Engineering and Environmental Services
 3708 Mount Diablo Blvd, Suite 215
 Lafayette, California, 94549
 Phone: (925) 284-4208
 Fax: (925) 284-4189

WELL LOCATION PLAN
 SERVICE CENTER AREA
 ORO LOMA SANITARY DISTRICT
 2600 GRANT AVENUE,
 SAN LORENZO, CA

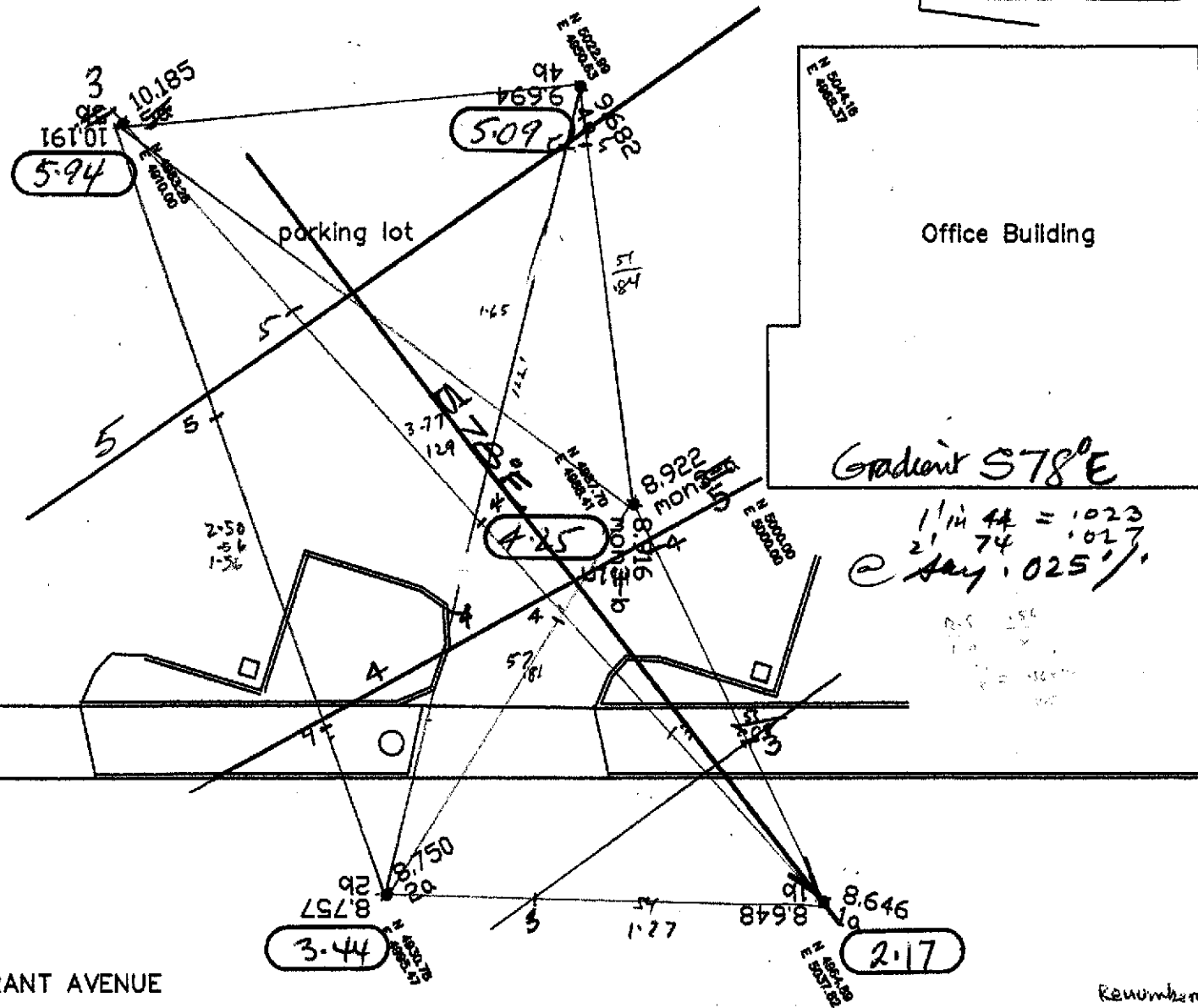
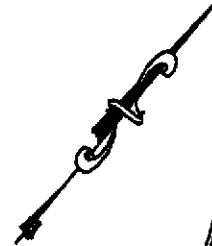
PROJECT No. 3022-10

FIGURE 2

NEW ENGINEERING INC.
 7181 THORNDALE DRIVE
 OAKLAND CALIF. 94611
 510-339-9887

DATE (4/18/06)

SCALE 1"=20'



GRANT AVENUE

note: coordinates given are relative only and not based on state grid

ORO LOMA SANITARY DISTRICT
 2600 GRANT AVENUE
 SAN LORENZO, CA

- monitoring wells (typical of 5)
- note: two elevations are given at each well rim.

Remembered by JRS

TABLE 1
GROUND WATER ELEVATIONS
 All measurements are in feet

Monitoring Well ID	MW 1	MW 2	MW 3	MW 4	MW 5	Estimated Net	
Well Cover Rim Elevn*	8.65	8.75	10.19	9.68	8.92	Flow Direction	Gradient ft/ft
Groundwater Elevation							
<i>Initial Sampling 10/21/02</i>	1.72	2.04	3.21	3.58	2.84	S21°E	0.016
<i>2nd Quarterly 1/28/03</i>	2.23	2.65	4.94	5.35	4.42	S23°E	0.033
<i>3rd Quarterly, 4/28/03</i>	Not Measured	3.18	Not Measured	5.80	5.20	S22½°W	0.042
<i>4th Quarterly, 7/25/03</i>	0.45	2.35	3.44	3.58	3.52	S18°W	0.027
<i>5th Quarterly, 10/30/03</i>	1.82	2.75	3.61	4.18	4.09	S26°E	0.014
<i>6th Quarterly, 1/23/04</i>	2.20	3.27	5.27	5.47	5.17	S35°E	0.053
<i>7th Quarterly, 4/27/2004</i>	2.35	3.55	4.99	5.08	4.92	S17°E	0.017
<i>8th Quarterly, 7/29/2004</i>	1.55	2.43	3.77	4.11	4.14	S52°W	0.006
<i>9th Quarterly, 10/28/2004</i>	-0.08	0.98	4.17	4.50	4.69	S63°E	0.087
<i>Special Sampling, 12/8/2004</i>	-0.74	-0.83	Not Meas.	Not Meas.	Not Meas.	Not Meas.	Not Meas.
<i>10th Quarterly, 1/24/2005</i>	0.79	2.75	5.64	5.83	4.74	S27°E	0.03
<i>11th Quarterly, 4/28/2005</i>	1.37	3.02	5.15	5.19	4.52	S40°E	0.023
<i>12th Quarterly, 7/19/2005</i>	1.18	2.37	4.31	4.48	4.32	S59°E	0.063
<i>13th Quarterly 10/26/2005</i>	0.79	1.72	3.69	4.10	4.20	S64°E	0.065
<i>14th Quarterly 1/30/2006</i>	1.72	3.17	4.85	4.92	4.24	S73°E	0.05
Current reading on 4/18/2006							
<i>Groundwater Depth</i>	6.48	5.31	4.25	4.59	4.67		
<i>Groundwater Elevation</i>	2.17	3.44	5.94	5.09	4.25	S78°E	0.025
<i>Change Since 1/30/2006</i>	0.45	0.27	1.09	0.17	0.01		
<i>Change since same Qtr, last year</i>	0.80	0.42	0.79	-0.10	-0.27		

* Basis of elevations, Alameda County bench mark "Grant-Phil" at intersection of Grant Avenue and Phil Drive.

Bench Mark Elevation = 2.175 meters, msl = 7.136 feet.

TABLE 2**SUMMARY OF GROUND WATER SAMPLE ANALYSES**

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE, BTEX AND MTBE

EPA METHOD 8015Cm /8021

results in µg/l (ppb)

SAMPLE LOCATION	SAMPLE DATE	GASOLINE	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES (TOTAL)	MTBE	DILUTION FACTOR
MW-1	4/18/06	N/A	N/A	N/A	N/A	N/A	N/A	--
MW-2	4/18/06	N/A	N/A	N/A	N/A	N/A	N/A	--
MW-3	4/18/06	380	190	1.0	ND	4.0	66	1
MW-4	4/18/06	58,000	7,100	420	3,900	13,000	ND<500	100
MW-5	4/18/06	36,000	13,000	5,500	660	3,300	ND < 500	100
MW-D 1	REPORTED SEPARATELY							
TRIP BLANK	4/18/06	ND	ND	ND	ND	ND	ND	1
REPORTING LIMITS FOR DF=1		50	0.5	0.5	0.5	0.5	5	

NOTES:

ND Analyte not detected at stated reporting limit
N/A Not analyzed

TABLE 2A
CUMULATIVE SUMMARY OF GROUND WATER SAMPLE ANALYSES
FORMER GASOLINE TANK AREA

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE, BTEX AND MTBE
 results in µg/l (ppb)

SAMPLE LOCATION	SAMPLE DATE	GASOLINE	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES (TOTAL)	MTBE
MW-1	2/19/99	ND	ND	ND	ND	ND	ND
	5/10/99	ND	ND	ND	ND	ND	ND
	8/30/99	N/A	ND	ND	ND	ND	ND
DUP	11/23/99	ND	ND	ND	ND	ND	ND
	11/23/99	ND	ND	ND	ND	ND	ND
	7/25/03	ND	ND	ND	ND	ND	ND
	10/30/03	N/A	N/A	N/A	N/A	N/A	N/A
MP	1/23/04	ND	ND	ND	ND	ND	ND
	4/27/04	N/A	N/A	N/A	N/A	N/A	N/A
	7/29/04	ND	ND	ND	ND	ND	ND
	10/28/04	N A	N A	N A	N A	N A	N A
	12/8/04	ND	ND	ND	ND	ND	ND
MP	1/24/05	ND	ND	ND	ND	ND	ND
	4/28/05	N A	N A	N A	N A	N A	N A
	7/19/05	ND	ND	ND	ND	ND	ND

TABLE 2A, Continued
 CUMULATIVE SUMMARY OF GROUND WATER SAMPLE ANALYSES
 TOTAL PETROLEUM HYDROCARBONS AS GASOLINE, BTEX AND MTBE
 FORMER GASOLINE TANK AREA

SAMPLE LOCATION	SAMPLE DATE	GASOLINE	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES (TOTAL)	MTBE
	10/06/05	N/A	N/A	N/A	N/A	N/A	N/A
	1/30/06	ND	ND	ND	ND	ND	ND
	4/18/06	N/A	N/A	N/A	N/A	N/A	N/A
MW-2	2/19/99	ND	ND	ND	ND	ND	ND
	5/10/99	ND	ND	ND	ND	ND	ND
	8/30/99	N/A	ND	ND	ND	ND	ND
	11/23/99	ND	ND	ND	ND	ND	ND
	7/25/03	ND	ND	ND	ND	ND	< 1
	10/30/03	N/A					
	1/23/04	ND	ND	ND	ND	ND	ND
	4/27/04	N/A	N/A	N/A	N/A	N/A	N/A
	7/29/04	ND	ND	ND	ND	ND	ND
MP	10/28/04	ND	ND	ND	ND	ND	ND
	12/8/04	ND	ND	ND	ND	ND	1.5
MP	1/24/05	ND	ND	ND	ND	ND	9.0
	4/28/05	N A	N A	N A	N A	N A	N A
	7/19/05	ND	ND	ND	ND	ND	ND

TABLE 2A, Continued
CUMULATIVE SUMMARY OF GROUND WATER SAMPLE ANALYSES
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE, BTEX AND MTBE
FORMER GASOLINE TANK AREA

SAMPLE LOCATION	SAMPLE DATE	GASOLINE	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES (TOTAL)	MTBE
	10/06/05	N/A	N/A	N/A	N/A	N/A	N/A
	1/30/06	ND	ND	ND	ND	ND	ND
	4/18/06	N/A	N/A	N/A	N/A	N/A	N/A
MW-3	2/19/99	ND	ND	ND	ND	ND	1.5 ¹
DUP	2/19/99	ND	ND	ND	ND	ND	N/A
	5/10/99	ND	ND	ND	ND	ND	1.5 ²
	8/30/99	N/A	ND	ND	ND	ND	ND
	11/23/99	ND	ND	[0.69] ³	[0.58] ³	[1.3] ³	ND
	1/6/00	ND	ND	ND	ND	ND	3.1 ⁴
DUP	1/6/00	ND	ND	ND	ND	ND	2.6 ⁴
TRIP BLANK	2/10-22/99	ND	ND	ND	ND	ND	N/A
	5/8-20/99	N/A	N/A	N/A	N/A	N/A	N/A
	8/27-31/99	N/A	N/A	N/A	N/A	N/A	N/A
	7/25/03	ND	ND	ND	ND	ND	1.1
	10/30/03	N/A	N/A	N/A	N/A	N/A	N/A
	1/23/04	N/A	N/A	N/A	N/A	N/A	N/A
	4/27/04	N/A	N/A	N/A	N/A	N/A	N/A

TABLE 2A, Continued
 CUMULATIVE SUMMARY OF GROUND WATER SAMPLE ANALYSES
 TOTAL PETROLEUM HYDROCARBONS AS GASOLINE, BTEX AND MTBE
 FORMER GASOLINE TANK AREA

SAMPLE LOCATION	SAMPLE DATE	GASOLINE	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES (TOTAL)	MTBE
MP	7/29/04	ND	6.4	ND	ND	ND	8.8
	10/28/04	390	170	0.70	ND	2.4	57
	12/8/04	N/A	N/A	N/A	N/A	N/A	N/A
MP	1/24/05	520	260	0.53	ND	1.9	89
	4/28/05	220	110	ND	ND	.63	54
	7/19/05	760	370	.68	ND	2.6	92
	10/06/05	190	71	ND	ND	ND	49
	1/30/06	300	130	0.74	ND	2.5	71
	4/18/06	380	190	1.0	ND	4.0	66
	MW-4	10/21/2002	N/A	5,800	6,200	3,500	18,000
	1/28/03	N/A	7,200	3,500	2,700	15,000	130
	4/28/03	N/A	5,700	850	ND<120	10,000	200
	7/25/03	97,000	11,000	8,400	4,900	24,000	ND<250
	10/30/03	77,000	12,000	9,300	3,200	16,000	ND < 200
	1/23/04	100,000	16,000	10,000	1,100	19,000	ND < 1,200
	4/27/04	78,000	13,000	7,800	3,200	17,000	ND < 1,000
	7/29/2004	46,000	8,300	2,100	2,000	7,900	ND<500

TABLE 2A, Continued
 CUMULATIVE SUMMARY OF GROUND WATER SAMPLE ANALYSES
 TOTAL PETROLEUM HYDROCARBONS AS GASOLINE, BTEX AND MTBE
 FORMER GASOLINE TANK AREA

SAMPLE LOCATION	SAMPLE DATE	GASOLINE	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES (TOTAL)	MTBE
MP	10/28/04	80,000	15,000	7,100	3,500	14,000	ND<1,000
	12/8/04	N/A	N/A	N/A	N/A	N/A	N/A
MP	1/24/05	70,000	9,900	850	2,500	11,000	ND<1,000
	4/28/05	79,000	9,400	690	4000	16,000	ND<900
	7/19/05	35,000	7,500	92	1,900	3,900	ND<500
	10/06/05	65,000	12,000	2,100	3,200	11,000	ND<500
	1/30/06	45,000	9,800	380	2,400	6,500	ND<130
	4/18/06	58,000	7,100	420	3,900	13,000	ND < 500
	MW-5	10/21/2002	65,000	12,000*	20,000*	1,600*	7,100*
	1/28/03	N/A	9,100	6,600	720	4,000	ND<100
	4/28/03	N/A	12,000	8,300	ND<250	2,100	ND<250
	7/25/03	62,000	13,000	14,000	1,300	5,200	ND<250
	10/30/03	33,000	7,500	2,200	490	1,600	ND < 100
	1/23/04	97,000	18,000	20,000	ND<120	7,900	ND < 1,200
	4/27/04	39,000	12,000	11,000	920	4,300	ND < 1,000
	7/29/04	47,000	11,000	5,500	690	2,800	ND < 1,000
MP	10/28/04	130,000	23,000	25,000	2,000	9,700	ND< 1,700

TABLE 2A, Continued
CUMULATIVE SUMMARY OF GROUND WATER SAMPLE ANALYSES
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE, BTEX AND MTBE
FORMER GASOLINE TANK AREA

SAMPLE LOCATION	SAMPLE DATE	GASOLINE	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES (TOTAL)	MTBE
MP	12/8/04	N/A	N/A	N/A	N/A	N/A	N/A
	1/24/05	150,000	22,000	25,000	2,100	12,000	ND<1,000
	4/28/05	89,000	18,000	11,000	1,600	8,900	ND < 500
	7/19/05	39,000	11,000	200	710	1,700	ND < 500
	10/06/05	58,000	17,000	410	1,000	6,600	ND<500
	1/30/06	61,000	15,000	5,500	1,100	5,600	ND < 500
	4/18/06	36,000	13,000	490	660	3,300	ND < 500

NOTES:

ND Analyte not detected at stated reporting limit
 N/A Not analyzed
 u/n Unless noted otherwise (Reporting Limit)
 MP Sampling by micro-purge technique

1. Analyzed by EPA method 8260B, reporting limit was 1 µg/l.
2. Estimated value below method reporting limit of 2 µg/l.
3. Inconsistent contaminant pattern. Sample result spurious, re-sampled
4. Reporting limit at 2.5 µg/l.

0604355 TSG
BLAINE
 TECH SERVICES INC

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB McCampbell DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

- EPA
- LIA
- OTHER
- RWQCB

SPECIAL INSTRUCTIONS

Invoice and Report to : The Sutton Group

email results "non-certified" as "pdf" to:
 johnrsutton@mindspring.com or
 suttongeo@sbcglobal.net

CHAIN OF		BTS 060418-KHB	
CLIENT		The Sutton Group	
SITE		2600 Grant Ave.	
		San Lorenzo, CA	
	MATRIX	CONTAINERS	
SAMPLE I.D.	S=SOIL W=H ₂ O	TOTAL	

C = COMPOSITE ALL CONTAINERS

TPH-G by 8015
 BTEX by 8021
 MTBE by 8021

ADD'L INFORMATION STATUS CONDITION LAB SAMPLE #

SAMPLE I.D.	DATE	TIME	MATRIX	TOTAL	TPH-G by 8015	BTEX by 8021	MTBE by 8021
MU-1	4/18/06	1400	W	5			
+ TD	4/18/06	1200	W	2	X	X	X
+ MU-3		1504	W	3		X	X
+ MU-4		1514	W	3	X	X	X
+ MU-5		1525	W	3	X	X	X

RESULTS NEEDED NO LATER THAN Standard TAT

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	4/18/06	1530	Kevin Harvey	4/18/06	1630	[Signature]	4/18/06	1630
RELEASED BY								
RELEASED BY								
RELEASED BY								

APPROPRIATE

WELLHEAD INSPECTION CHECKLIST

Date 4/18/06 Client The Sutton Group

Site Address 2600 Grant Ave. San Lorenzo

Job Number 060418-1413 Technician Kevin Harvey

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-1	✓	✓						
MW-2	✓	✓						
MW-3	✓							
MW-4	✓							
MW-5	✓							
MW-D1	✓							

NOTES: _____

WELL GAUGING DATA

Project # 660418-KH3 Date 4/18/06 Client The Sutton Group

Site 2600 Grant Ave San Lorenzo

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
MW-1	2					6.48	12.51	TOB
MW-2	2					5.31	15.28	↓
MW-3	2					4.25	15.69	
MW-4	2					4.59	14.04	
MW-5	2					4.67	13.76	
MW-D1	4					2.08	14.34	

WELL MONITORING DATA SHEET

Project #: <u>060418-KM7</u>	Client: <u>The Suttan Group</u>
Sampler: <u>KH</u>	Date: <u>9/18/06</u>
Well I.D.: <u>MW-3</u>	Well Diameter: <u>3</u> 3 4 6 8 _____
Total Well Depth (TD): <u>15.69</u>	Depth to Water (DTW): <u>4.25</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: MW-3 <u>Grade</u>	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>6.53</u>	

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible Waterra Peristaltic Extraction Pump Other _____

Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____

$\frac{1.9 \text{ (Gals.)} \times 3}{\text{Specified Volumes}} = \frac{5.7}{\text{Calculated Volume}} \text{ Gals.}$	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1417	65.9	6.8	7246	376	2	
1421	66.2	6.7	13.91ms	585	4	
1424	66.5	6.7	22.37ms	>1000	6	
						well dewatered 2 6 gallons
1504	64.3	7.0	10.17ms	22	—	

Did well dewater? Yes No Gallons actually evacuated: 6

Sampling Date: 9/18/06 Sampling Time: 1504 Depth to Water: 6.32

Sample I.D.: MW-3 Laboratory: Kiff CalScience McC Campbell

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): _____ @ _____ Time Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: <u>060418-KH3</u>	Client: <u>The Sutton Group</u>
Sampler: <u>KH</u>	Date: <u>4/18/06</u>
Well I.D.: <u>MW-5</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): <u>13.76</u>	Depth to Water (DTW): <u>4.67</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>KH</u> <u>Grade</u>	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>6.48</u>	

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible Waterra Peristaltic Extraction Pump Other _____

Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____

$\frac{1.5 \text{ (Gals.)} \times 3}{\text{Specified Volumes}} = \frac{4.5}{\text{Calculated Volume}} \text{ Gals.}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1447	65.0	6.7	21.13	196	1.5	
1450	66.5	6.7	29.35	495	3	
			- well dewatered 24 gallons -			
1525	65.7	6.9	17.15	100	-	

Did well dewater? Yes No Gallons actually evacuated: 4

Sampling Date: 4/18/06 Sampling Time: 1525 Depth to Water: 6.40

Sample I.D.: MW-5 Laboratory: Kiff CalScience Other McCampbell

Analyzed for: TPH-C BTEX MTBE TPH-D Oxygenates (5) Other: _____

EB I.D. (if applicable): _____ @ _____ Time Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

McC Campbell Analytical, Inc.



110 Second Avenue South, #D7
 Pacheco, CA 94553-5560
 (925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0604355

ClientID: TSG

EDF: NO

Report to:

John Sutton
 The Sutton Group
 3708 Mt. Diablo Blvd, Ste. 215
 Lafayette, CA 94549

TEL: 925-284-4208
 FAX: 925-284-4189
 ProjectNo: #060418-KH3; 2600 Grant Ave.
 PO:

Bill to

Accounts Payable
 The Sutton Group
 3708 Mt. Diablo Blvd, Ste. 215
 Lafayette, CA 94549

Requested TAT: 5 days

Date Received: 04/20/2006

Date Printed: 04/20/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)													
					1	2	3	4	5	6	7	8	9	10	11	12		
0604355-001	TB	Water	04/18/2006	<input type="checkbox"/>	A													
0604355-002	MW-3	Water	04/18/2006	<input type="checkbox"/>	A													
0604355-003	MW-4	Water	04/18/2006	<input type="checkbox"/>	A													
0604355-004	MW-5	Water	04/18/2006	<input type="checkbox"/>	A													

Test Legend:

1	G-MBTEX W	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Kathleen Owen

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.



McC Campbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mcccampbell.com E-mail: main@mcccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0604355

EPA Method: SW8021B/8015Cm		Extraction: SW5030B			BatchID: 21344			Spiked Sample ID: 0604360-003A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) [£]	ND	60	107	104	2.87	94.2	107	12.9	70 - 130	70 - 130
MTBE	ND	10	114	94.2	19.4	103	102	0.992	70 - 130	70 - 130
Benzene	ND	10	101	102	0.118	97.7	97.6	0.0601	70 - 130	70 - 130
Toluene	ND	10	95.9	95.9	0	93.2	93.9	0.721	70 - 130	70 - 130
Ethylbenzene	ND	10	105	102	2.31	102	103	0.576	70 - 130	70 - 130
Xylenes	ND	30	96.3	95.7	0.694	96	96	0	70 - 130	70 - 130
%SS:	104	10	101	103	1.12	98	99	1.09	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 21344 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0604355-001A	4/18/06 12:00 PM	4/22/06	4/22/06 2:43 PM	0604355-002A	4/18/06 3:04 PM	4/25/06	4/25/06 9:45 AM
0604355-003A	4/18/06 3:14 PM	4/25/06	4/25/06 10:18 AM	0604355-004A	4/18/06 3:25 PM	4/25/06	4/25/06 10:51 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 £ TPH(btex) = sum of BTEX areas from the FID.
 # cluttered chromatogram; sample peak coelutes with surrogate peak.
 N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.