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suttongeo@sbcglobal.net

THE SUTTON GROUP

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

3708 Mount Diablo Blvd
Suite 215
Lafayette, CA, 94549

RECEIVED

1:16 pm, Nov 14, 2007

Alameda County
Environmental Health

November 13, 2007

Mr. Jason Warner
Oro Loma Sanitary District
2655 Grant Avenue
San Lorenzo, 94580

Results of 21st Quarterly Round of Sampling of Ground Water Monitoring Wells
Site of the Former Gasoline Tank
2655 Grant Ave., San Lorenzo, CA
OLSD PO No. 4911, LOP Site No. RO0000288 ST ID 1996

Dear Mr. Warner:

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 October 17th, 2007. This is the 21st quarterly sampling of wells in the gasoline tank area.

Please note that the street address of the District's offices, and thus that of the tank location, has been changed at the request of the Post Office, from 2600 to 2655 Grant Avenue. We hope this does not upset the Agency's filing system.

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 District's offices and adjacent sewage treatment plant. Figure 2 is a plan of the engineering offices and maintenance area, showing the monitoring well locations and the calculated groundwater flow gradient. Figure 2A is the calculation sheet used to develop Figure 2.

This quarter's monitoring data was up-loaded to the State Water Resources Control Board's Geotracker computer database, as required by law. We have also electronically uploaded this report to Alameda County's own electronic database.

Groundwater Monitoring

Review of groundwater level measurements around the former gasoline tank site indicates a slight increase of ground water elevations typical of seasonal conditions in recent years and consistent with historical levels. Groundwater levels in the onsite wells are approximately the same as the same quarter a year ago. Table 1 is a cumulative tabulation of groundwater level data. Well MW5 historically responds less to seasonal changes compared to the other onsite wells and we are exploring the possibility that the "mound effect" is due to this

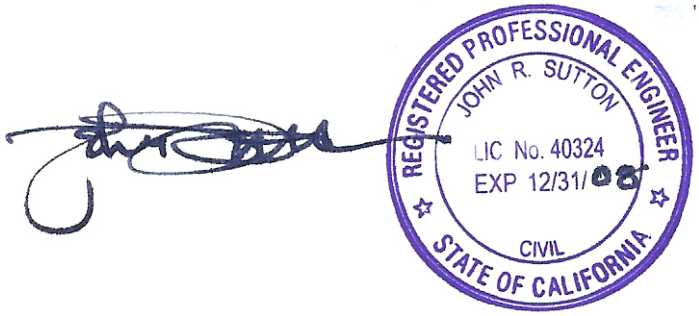
situation. We have thus provided two gradient calculations, with one neglecting the MW5 data as depicted on Figures 2 and 2A.

Sampling Results

On October 17th, 2007 water samples were collected from the three onsite wells in accordance with the approved work plan. The samples were collected by bailing. 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 also 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



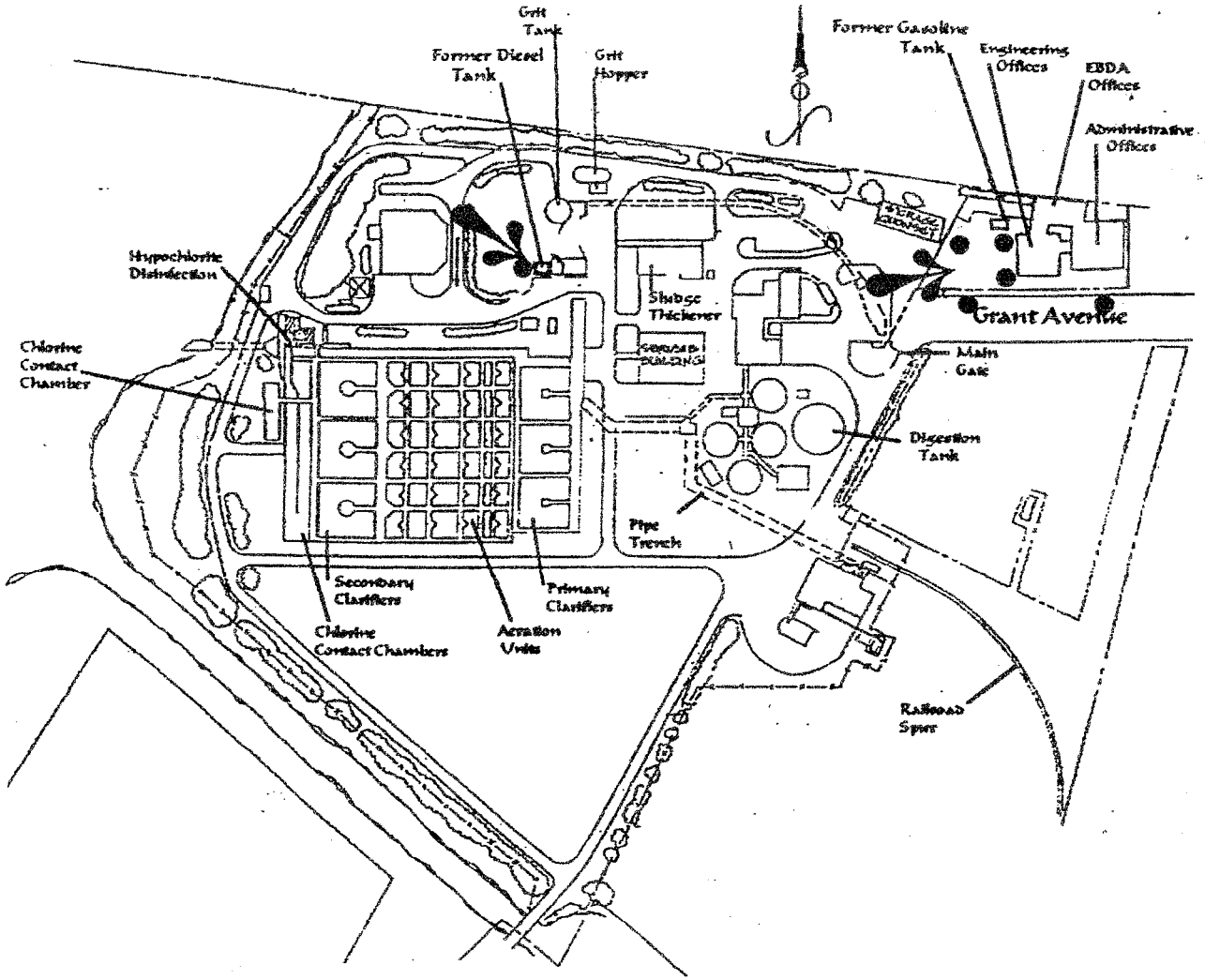
John R. Sutton, PE
RCE 40324, exp 12/31/2008

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 (McCampbell)	
Field sampling Reports	(Blaine Tech)

Copy uploaded to Alameda Co web site. Data uploaded to Geotracker database.
Copy with attachments in pdf and MSExcel formats sent by email to Mr. Steven Plunkett at Alameda County Health Dept.
Copy sent by email to Mr. M. Cameron at OLSD
Copy sent by email to Mr. Tim Becker at Environmental Guidance, Inc.

302210, Qtr #21 ltr Q04-2007- sig.doc

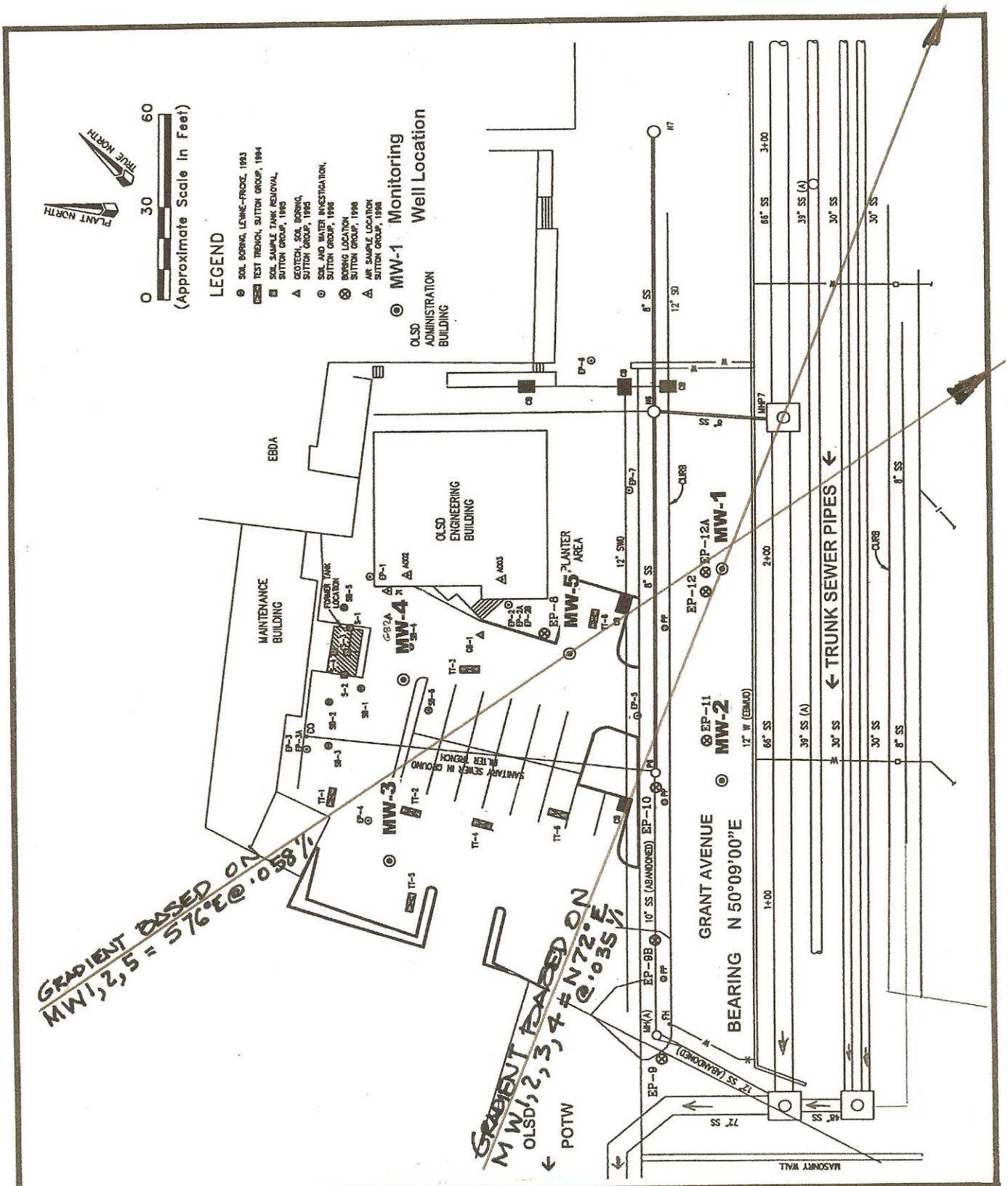


SITE PLAN

● 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



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

8/2/03

3022.10 Qtly Plan Fig 2

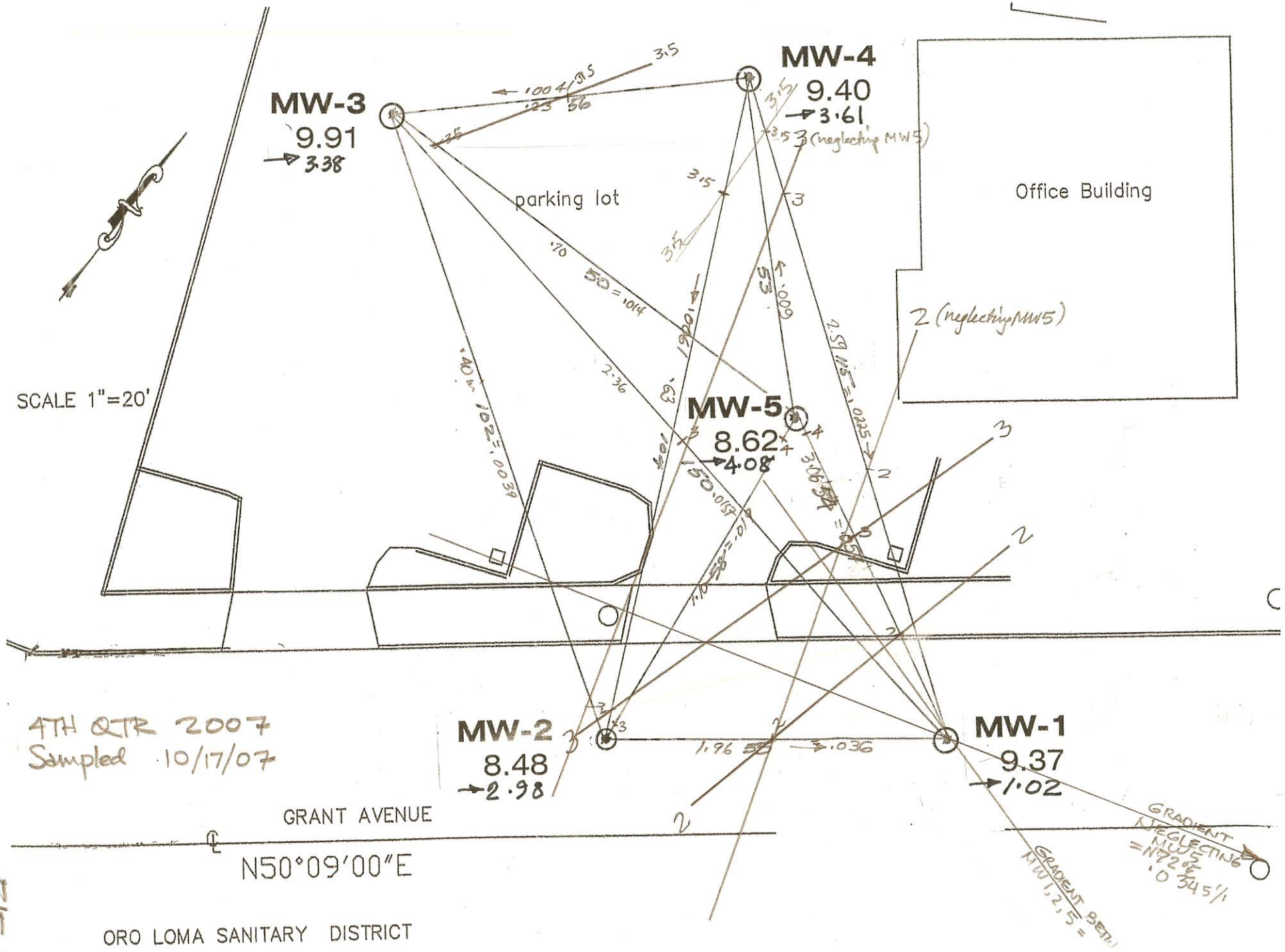

MW-3
9.91
→3.38
MW-4
9.40
→3.61
MW-5
8.62
→4.08
MW-2
8.48
→2.98
MW-1
9.37
→1.02
parking lot
Office Building
SCALE 1"=20'
4TH QTR 2007
Sampled 10/17/07
GRANT AVENUE
N50°09'00"E
ORO LOMA SANITARY DISTRICT
2600 GRANT AVENUE
SAN LORENZO, CA
PLOT SHEET
Revised following New Engineering's survey of 03/07/2007
THE SUTTON GROUP
3708 Mount Diablo Blvd, Suite 215
Lafayette, CA, 94549
FIG. 2A

TABLE 1
GROUND WATER ELEVATIONS
All measurements are in feet

Monitoring Well ID							***Estimated Net***	
Well Cover Rim Elevn*		**8.37**	8.48	9.91	9.40	8.62	***Flow Direction, Gradient ft/ft***	
Groundwater Elevation								
Initial Sampling	*10/21/02*	1.72	2.04	3.21	3.58	2.84	S21°E	0.016
2nd Quarterly	*1/28/03*	2.23	2.65	4.94	5.35	4.42	S23°E	0.033
3rd Quarterly	*4/28/03*	Not Measured	3.18	Not Meas.	5.80	5.20	S22½°W	0.042
4th Quarterly	*7/25/03*	0.45	2.35	3.44	3.58	3.52	S18°W	0.027
5th Quarterly	*10/30/03*	1.82	2.75	3.61	4.18	4.09	S26°E	0.014
6th Quarterly	*1/23/04*	2.20	3.27	5.27	5.47	5.17	S35°E	0.053
7th Quarterly	*4/27/2004*	2.35	3.55	4.99	5.08	4.92	S17°E	0.017
8th Quarterly	*7/29/2004*	1.55	2.43	3.77	4.11	4.14	S52°W	0.006
9th Quarterly	*10/28/2004*	-0.08	0.98	4.17	4.50	4.69	S63°E	0.087
Special Sampling	*12/8/2004*	-0.74	-0.83	Not Meas.	Not Meas.	Not Meas.	Not Meas.	Not Meas.
10th Quarterly	*1/24/2005*	0.79	2.75	5.64	5.83	4.74	S27°E	0.03
11th Quarterly	*4/28/2005*	1.37	3.02	5.15	5.19	4.52	S40°E	0.023
12th Quarterly	*7/19/2005*	1.18	2.37	4.31	4.48	4.32	S59°E	0.063
13th Quarterly	*10/26/2005*	0.79	1.72	3.69	4.10	4.20	S64°E	0.065
14th Quarterly	*1/30/2006*	1.72	3.17	4.85	4.92	4.24	S73°E	0.05
15th Quarterly	*4/18/2006*	2.17	3.44	5.94	5.09	4.25	S78°E	0.025
16th Quarterly	*7/19/2006*	1.55	2.88	4.41	4.57	4.13	S69E	0.048
17th Quarterly	*10/26/2006*	1.17	2.63	3.47	3.92	5.38	A: S30W @ .054	B:S76E @ .087
18th Quarterly	*1/15/2007*	1.35	3.20	4.84	4.73	4.37	A: S64E @ .007	B:S87E @ .055
19th Quarterly	*4/19/2007*	1.72	3.39	6.06	5.20	4.05	A: S70E @ .036	B:S85E @ .044
20th Quarterly	*7/19/2007*	1.10	1.70	3.38	3.52	3.35	A: S63E @ .074	B:S7E @~.004
Current (21st) reading on 10/17/2007								
	Groundwater Depth	7.35	5.50	6.53	5.79	4.54		
	Groundwater Elevation	**1.02**	**2.98**	**3.38**	**3.61**	**4.08**	**S76E @ .058**	**N72E @ .035**
	Change Since 7/19/2007	-0.08	1.28	0.00	0.09	0.73		
	Change since same Qtr, last year	-0.15	0.35	-0.09	-0.31	-1.30		

***** Wells re-surveyed 03/08/2007 based on NGS Station Loma (HT3751). New rim elevations were 0.27-0.30 feet "lower".
Elevations beginning April 2007 reflect the new elevations. Previously tabulated readings have not been changed.

* "Onsite gradient" is interpreted to be the natural gradient due to baylands and San Francisco Bay.
"Offsite gradient" reflects the dewatering effect of the gravel-bedded sanitary sewer trunk lines beneath Grant Avenue.

QTR 21, 10/17/2007: Two gradients were calculated: **S76E is from MW1,2 and 5 as previous"offsite"**
N72E is Gradient from MW 1,2,3,4 -- neglecting MW5

TABLE 2

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	10/17/2007	n/a	n/a	n/a	n/a	n/a	n/a	1
MW-2	10/17/2007	n/a	n/a	n/a	n/a	n/a	n/a	1
MW-3	10/17/2007	55	1.5	ND	ND	1.3	42	1
MW-4	10/17/2007	28,000	5,900	87	1,700	1400	ND<240	50
MW-5	10/17/2007	32,000	9,200	57	650	1,900	ND<100	20
Trip Blank	10/17/2007	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
LOP Site No. RO0000288

CUMULATIVE SUMMARY OF GROUND WATER SAMPLE ANALYSES

FORMER GASOLINE TANK AREA

total petroleum hydrocarbons as gasoline and mbtex

results in µg/l (ppb)

Sample Location	*Sample Date*	*Gasoline*	*Benzene*	*Toluene*	*Ethyl Benzene*	*Xylenes (total)*	*MTBE*
MW-1	2/19/1999	nd	nd	nd	nd	nd	nd
	5/10/1999	nd	nd	nd	nd	nd	nd
	8/30/1999	n/a	nd	nd	nd	nd	nd
	11/23/1999	nd	nd	nd	nd	nd	nd
dup	11/23/1999	nd	nd	nd	nd	nd	nd
	7/25/2003	nd	nd	nd	nd	nd	nd
	10/30/2003	n/a	n/a	n/a	n/a	n/a	n/a
	1/23/2004	nd	nd	nd	nd	nd	nd
	4/27/2004	n/a	n/a	n/a	n/a	n/a	n/a
	7/29/2004	nd	nd	nd	nd	nd	nd
MP	10/28/2004	N A	N A	N A	N A	N A	N A
	12/8/2004	nd	nd	nd	nd	nd	nd
MP	1/24/2005	nd	nd	nd	nd	nd	nd
	4/28/2005	N A	N A	N A	N A	N A	N A
	7/19/2005	nd	nd	nd	nd	nd	nd
	10/6/2005	N/A	N/A	N/A	N/A	N/A	N/A
	1/30/2006	ND	ND	ND	ND	ND	ND
	4/18/2006	N/A	N/A	N/A	N/A	N/A	N/A
	7/19/2006	ND	ND	ND	ND	ND	ND
	10/26/2006	n/a	n/a	n/a	n/a	n/a	n/a
	1/15/2007	ND	ND	ND	ND	ND	ND
	4/19/2007	NA	NA	NA	NA	NA	NA
	7/19/2007	ND	ND	ND	ND	ND	ND
	10/17/2007	***n/a***	***n/a***	***n/a***	***n/a***	***n/a***	***n/a***

MW-2	*Sample Date*	*Gasoline*	*Benzene*	*Toluene*	*EBenzene*	*Xylenes*	*MTBE*
	2/19/1999	nd	nd	nd	nd	nd	nd
	5/10/1999	nd	nd	nd	nd	nd	nd
	8/30/1999	n/a	nd	nd	nd	nd	nd
	11/23/1999	nd	nd	nd	nd	nd	nd
	7/25/2003	nd	nd	nd	nd	nd	< 1
	10/30/2003	n/a					
	1/23/2004	nd	nd	nd	nd	nd	nd
	4/27/2004	n/a	n/a	n/a	n/a	n/a	n/a
	7/29/2004	nd	nd	nd	nd	nd	nd
MP	10/28/2004	ND	ND	ND	ND	ND	ND
	12/8/2004	ND	ND	ND	ND	ND	1.5

MP	1/24/2005	ND	ND	ND	ND	ND	9	
	4/28/2005	n a	n a	n a	n a	n a	n a	
	7/19/2005	nd	nd	nd	nd	nd	nd	
	10/6/2005	N/A	N/A	N/A	N/A	N/A	N/A	
	1/30/2006	ND	ND	ND	ND	ND	ND	
	4/18/2006	N/A	N/A	N/A	N/A	N/A	N/A	
	7/19/2006	ND	ND	ND	ND	ND	ND	
	10/26/2006	n/a	n/a	n/a	n/a	n/a	n/a	
	1/15/2007	ND	ND	ND	ND	ND	ND	
	4/19/2007	NA	NA	NA	NA	NA	NA	
	7/19/2007	ND	ND	ND	ND	ND	ND	
	10/17/2007	**n/a**	***n/a***	***n/a***	***n/a***	***n/a***	***n/a***	

MW-3	***Sample Date***	***Gasoline***	***Benzene***	***Toluene***	***Ebenzene***	***Xylenes***	***MTBE***	
	2/19/1999	nd	nd	nd	nd	nd	1.5	*1
dup	2/19/1999	nd	nd	nd	nd	nd	n/a	
	5/10/1999	nd	nd	nd	nd	nd	1.5	*2
	8/30/1999	n/a	nd	nd	nd	nd	nd	
	11/23/1999	nd	nd	[.69]*	[.58]*	[1.3]*	nd	*3
	1/6/2000	nd	nd	nd	nd	nd	3.14	*4
Dup	1/6/2000	nd	nd	nd	nd	nd	2.64	*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	
	7/25/2003	nd	nd	nd	nd	nd	1.1	
	10/30/2003	n/a	n/a	n/a	n/a	n/a	n/a	
	1/23/2004	n/a	n/a	n/a	n/a	n/a	n/a	
	4/27/2004	n/a	n/a	n/a	n/a	n/a	n/a	
	7/29/2004	ND	6.4	ND	ND	ND	8.8	
MP	10/28/2004	390	170	0.7	nd	2.4	57	
	12/8/2004	N/A	N/A	N/A	N/A	N/A	N/A	
MP	1/24/2005	520	260	0.53	nd	1.9	89	
	4/28/2005	220	110	ND	ND	0.63	54	
	7/19/2005	760	370	0.68	ND	2.6	92	
	10/6/2005	190	71	ND	ND	ND	49	
	1/30/2006	300	130	0.74	ND	2.5	71	
	4/18/2006	380	190	1.0	nd	4.0	66	
	7/19/2006	140	61	ND	0.57	0.89	44	
	10/26/2006	91	20	nd	0.55	3.5	46	
	1/15/2007	ND	3.8	ND	ND	ND	32	
	4/19/2007	52	2.9	ND	ND	ND	57	
	7/19/2007	ND	2.6	ND	ND	ND	47	
	10/17/2007	***55***	***1.5***	***ND***	***ND***	***1.3***	***42***	

MW-4	Sample Date	Gasoline	Benzene	Toluene	EBenzene	Xylenes	MTBE
	10/21/2002	n/a	5,800	6,200	3,500	18,000	140
	1/28/2003	n/a	7,200	3,500	2,700	15,000	130
	4/28/2003	n/a	5,700	850	ND<120	10,000	200
	7/25/2003	97,000	11,000	8,400	4,900	24,000	nd<250
	10/30/2003	77,000	12,000	9,300	3,200	16,000	nd < 200
	1/23/2004	100,000	16,000	10,000	1,100	19,000	nd < 1,200
	4/27/2004	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
MP	10/28/2004	80,000	15,000	7,100	3,500	14,000	ND<1,000
	12/8/2004	n/a	N/A	N/A	N/A	N/A	n/a
MP	1/24/2005	70	9,900	850	2,500	11,000	ND<1,000
	4/28/2005	79,000	9,400	690	4000	16,000	nd<900
	7/19/2005	35,000	7,500	92	1,900	3,900	nd<500
	10/6/2005	65,000	12,000	2,100	3,200	11,000	ND<500
	1/30/2006	45,000	9,800	380	2,400	6,500	nd<130
	4/18/2006	58,000	7,100	420	3,900	13,000	nd < 500
	7/19/2006	71,000	10,000	520	4,900	18,000	ND<500
	10/26/2006	89,000	13,000	1600	4,300	19,000	nd< 800
	1/15/2007	65,000	10,000	570	3,300	13,000	nd< 250
	4/19/2007	52,000	9,400	300	3,600	8,900	ND<600
	7/19/2007	21,000	4,500	26	1,100	370	ND<240
	10/17/2007	***28,000***	***5,900***	***87***	***1,700***	***1400***	***ND<240***

MW-5	Sample Date	Gasoline	Benzene	Toluene	EBenzene	Xylenes	MTBE
	10/21/2002	65,000	12,000*	20,000*	1,600*	7,100*	ND<100
	1/28/2003	n/a	9,100	6,600	720	4,000	ND<100
	4/28/2003	n/a	12,000	8,300	ND<250	2,100	ND<250
	7/25/2003	62,000	13,000	14,000	1,300	5,200	nd<250
	10/30/2003	33,000	7,500	2,200	490	1,600	nd < 100
	1/23/2004	97,000	18,000	20,000	ND<120	7,900	nd < 1,200
	4/27/2004	39,000	12,000	11,000	920	4,300	nd < 1,000
	7/29/2004	47,000	11,000	5,500	690	2,800	nd < 1,000
MP	10/28/2004	130,000	23,000	25,000	2,000	9,700	ND<
	12/8/2004	n/a	n/a	N/A	N/A	N/A	N/A
MP	1/24/2005	150,000	22,000	25,000	2,100	12,000	nd<1,000
	4/28/2005	89,000	18,000	11,000	1,600	8,900	nd < 500
	7/19/2005	39,000	11,000	200	710	1,700	nd < 500
	10/6/2005	58,000	17,000	410	1,000	6,600	ND<500
	1/30/2006	61,000	15,000	5,500	1,100	5,600	nd < 500
	4/18/2006	36,000	13,000	490	660	3,300	nd < 500
	7/19/2006	49,000	16,000	460	ND<50	7,700	ND<500
	10/26/2006	55,000	14,000	430	1200	6,700	nd<1,000
	1/15/2007	34,000	11,000	88	720	2,600	ND<250
	4/19/2007	29,000	11,000	63	700	2,200	ND<130
	7/19/2007	25,000	8,300	36	600	1,700	ND<50
	10/17/2007	***32,000***	***9,200***	***57***	***650***	***1,900***	***ND<100***

NOTES:

nd	Analyte not detected at stated reporting limit
n/a	Not analyzed
u/n	Unless otherwise noted (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.

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME	Sutton Group @ 2600 Granville Ave.	PROJECT NUMBER	071017-KF1

EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
Myron L ultrameter	17813	10/17/07 0825	pH 4 / 7 / 10 | cond. 3900	4.03 / 6.97 / 9.93 | 3868	Y	19.7°C	KF
2100P Turbid. meter	21019	10/17/07 0830	20 / 100 / 800 NTU	19 / 95 / 814	Y	—	KF

WELLHEAD INSPECTION CHECKLIST

Date 10/17/07 Client Sutton Group

Site Address 2600 Grant Ave., San Lorenzo

Job Number 071017-ICF1 Technician ICF

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)
MW1	X							
MW2		X						
MW3	X							
MW4	X							
MW5	X							

NOTES:

WELL GAUGING DATA

Project # 071017-KF1 Date 10/17/07 Client Sutton Group

Site 2600 Grant Ave. San Lorenzo

Well ID	Time	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	Notes
MW1	0857	2					7.35	12.33		
MW2	0907	2					5.50	15.32		
MW3	0852	2					6.53	15.60		
MW4	0844	2					5.79	13.88		
MW5	0903	2					4.54	13.70	↓	

WELL MONITORING DATA SHEET

Project #: 071017-1CF1	Client: Sutter
Sampler: KF	Date: 10/17/07
Well I.D.: ~~MW3~~ MW3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 15.60	Depth to Water (DTW): ~~15~~ 6.53
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.34	

Purge Method: Bailer / X Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

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

1.5 (Gals.) X	3	= 4.5 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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
0945	22.0	6.94	8534	39	1.5	yellow
0948	22.6	6.84	16,670	34	3	yellow
0951	22.3	6.81	17,910	41	4.5	yellow

Did well dewater? Yes (No) Gallons actually evacuated: 4.5

Sampling Date: 10/17/07 Sampling Time: 0955 Depth to Water: 11.93

Sample I.D.: MW3 Laboratory: Kiff CalScience Other McCampbell

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

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 #: 071017-KF1	Client: Sutton
Sampler: KF	Date: 10/17/07
Well I.D.: MW4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 13.88	Depth to Water (DTW): 5.79
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.41	

Purge Method: Bailer; X Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

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

1.3 (Gals.) X 3 = 3.9 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0921	22.5	6.78	9743	127	1.3	yellow
0923	23.5	6.64	13,630	75	2.6	"
0926	23.2	6.64	14,140	47	3.9	"

Did well dewater? Yes (No) Gallons actually evacuated: 3.9

Sampling Date: 10/17/07 Sampling Time: 0930 Depth to Water: 10.61

Sample I.D.: MW4 Laboratory: Kiff CalScience Other McCampbell

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

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 #: 071017-KF1	Client: Sutton
Sampler: KF	Date: 10/17/07
Well I.D.: MW5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 13.70	Depth to Water (DTW): 4.54
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / X Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

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

1.5 (Gals.) X 3 = 4.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1011	22.9	6.96	8726	28	1.5	yellow, odor
1014	23.1	6.73	23,130	34	3	yellow, odor
1017	22.8	6.81	24,610	129	4.5	dark yellow, odor

Did well dewater? Yes (No) Gallons actually evacuated: 4.5

Sampling Date: 10/17/07 Sampling Time: 1025 Depth to Water: 12.86

Sample I.D.: MW5 Laboratory: Kiff CalScience Other McCampbell

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

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

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Blaine Tech Services Inc	Client Project ID: #071017-KFI	Date Sampled: 10/17/07
1680 Rogers Avenue		Date Received: 10/18/07
San Jose, CA 95112-1105	Client Contact: John Sutton	Date Reported: 10/24/07
	Client P.O.:	Date Completed: 10/24/07

WorkOrder: 0710645

October 24, 2007

Dear John:

Enclosed are:

1). the results of **4** analyzed samples from your **#071017-KFI project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

0710645

BLAINE
TECH SERVICES, INC.

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

CHAIN OF CUSTODY BTS # 071017-KF1

CLIENT: The Sutton Group

SITE: 2600 Grant Ave.
San Lorenzo, CA

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 / John Sutton
Sample ID = Field Point Name
Please provide results in EDF format to John Sutton @ suttongeo@sbcglobal.net
Global ID = T0600101928

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX S=SOIL W=H_2O	CONTAINERS TOTAL		C=COMPOSITE ALL CONTAINERS	TPH-G by 8015	BTEX by 8021	MTBE by 8021	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TB	10/17/07	1000	W	2	HCL voas		X	X	X	Trip Blank			
MW3		0955	W	3	HCL voas		X	X	X				
MW4		0930	W	3	HCL voas		X	X	X				
MW5		1025	W	3	HCL voas		X	X	X				

ICE/t° 7.7
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT ____ PRESERVED IN LAB ____
DECHLORINATED IN LAB ____

PRESERVATION	VOAS	O&G	METALS	OTHER

SAMPLING COMPLETED: DATE 10/17/07 TIME 1025 (1035)

SAMPLING PERFORMED BY: K. Cordes

RESULTS NEEDED NO LATER THAN: Standard TAT

		DATE	TIME		DATE	TIME
RELEASED BY		10/17/07	1600	RECEIVED BY	10/17/07	1600
RELEASED BY		10/18/07	1305	RECEIVED BY	10/18/07	1305
RELEASED BY		10/18/07	1450	RECEIVED BY	10/18/07	1450

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0710645 **ClientID: BTSS**

☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
John Sutton
Blaine Tech Services Inc
1680 Rogers Avenue
San Jose, CA 95112-1105

Email:
TEL: (510) 521-3773 FAX: (408) 573-7771
ProjectNo: #071017-KFI
PO:

Bill to:
John Sutton
The Sutton Group
2600 Grant Ave
San Lorenzo, CA 94580

Requested TAT: 5 days

Date Received: **10/18/2007**
Date Printed: **10/18/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0710645-001	TB	Water	10/17/07 10:00:00	☐	A	A										
0710645-002	MW3	Water	10/17/07 9:55:00	☐	A											
0710645-003	MW4	Water	10/17/07 9:30:00	☐	A											
0710645-004	MW5	Water	10/17/07 10:25:00	☐	A											

Test Legend:

1	G-MBTEX_W	2	PREDF REPORT	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

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.

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Sample Receipt Checklist

Client Name: **Blaine Tech Services Inc**

Date and Time Received: **10/18/07 2:47:09 PM**

Project Name: **#071017-KFI**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0710645** Matrix Water

Carrier: Michael Hernandez (MAI Courier)

Chain of Custody (COC) Information

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 ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 7.7°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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Blaine Tech Services Inc	Client Project ID: #071017-KFI	Date Sampled: 10/17/07
1680 Rogers Avenue		Date Received: 10/18/07
San Jose, CA 95112-1105	Client Contact: John Sutton	Date Extracted: 10/19/07
	Client P.O.:	Date Analyzed 10/19/07

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0710645

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	TB	W	ND	ND	ND	ND	ND	ND	1	97
002A	MW3	W	55,a	42	1.5	ND	ND	1.3	1	97
003A	MW4	W	28,000,a	ND<390	5900	87	1700	1400	50	95
004A	MW5	W	32,000,a	ND<100	9200	57	650	1900	20	89

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0710645

EPA Method SW8021B/8015Cm **Extraction SW5030B** **BatchID: 31421** **Spiked Sample ID: 0710644-001A**

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	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	94.9	99.3	4.56	114	97.9	15.1	70 - 130	30	70 - 130	30
MTBE	ND	10	99.7	102	2.50	103	111	7.30	70 - 130	30	70 - 130	30
Benzene	ND	10	98.5	99.4	0.890	92.1	95.7	3.87	70 - 130	30	70 - 130	30
Toluene	ND	10	91.2	92.2	1.17	102	107	5.00	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	101	99.7	1.28	101	105	4.25	70 - 130	30	70 - 130	30
Xylenes	ND	30	100	96.7	3.39	113	113	0	70 - 130	30	70 - 130	30
%SS:	107	10	97	95	1.92	86	97	12.3	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 31421 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0710645-001A	10/17/07 10:00 AM	10/19/07	10/19/07 8:41 PM	0710645-002A	10/17/07 9:55 AM	10/19/07	10/19/07 5:12 AM
0710645-003A	10/17/07 9:30 AM	10/19/07	10/19/07 6:44 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.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0710645

EPA Method SW8021B/8015Cm	Extraction SW5030B	BatchID: 31425	Spiked Sample ID: 0710655-004B

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	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	79.1	80	1.25	91.7	101	10.1	70 - 130	30	70 - 130	30
MTBE	ND	10	97	104	7.04	105	101	3.80	70 - 130	30	70 - 130	30
Benzene	ND	10	101	106	4.42	86.5	94.2	8.47	70 - 130	30	70 - 130	30
Toluene	ND	10	100	105	4.64	97.3	106	8.27	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	101	105	4.16	95.3	102	6.96	70 - 130	30	70 - 130	30
Xylenes	ND	30	93.5	95.1	1.74	107	113	6.06	70 - 130	30	70 - 130	30
%SS:	110	10	107	107	0	83	88	5.27	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 31425 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0710645-004A	10/17/07 10:25 AM	10/19/07	10/19/07 5:43 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.

DHS ELAP Certification N° 1644

QA/QC Officer