

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION**

WATER QUALITY INVESTIGATION ORDER NO. R9-2006-0044

**CITY OF SAN MARCOS
BRADLEY PARK/OLD LINDA VISTA LANDFILL
SAN DIEGO COUNTY**

**COUNTY OF SAN DIEGO'S EXHIBITS TO
THE COUNTY OF SAN DIEGO'S OPPOSITION TO THE
CITY OF SAN MARCOS' ADMINISTRATIVE APPEAL OF
WATER QUALITY INVESTIGATION ORDER NO. R9-2006-0044**

**JOHN J. SANSONE, County Counsel
County of San Diego
JAMES R. O'DAY, Senior Deputy (SBN 202554)
1600 Pacific Highway, Room 355
San Diego, California 92101-2469
Telephone: (619) 531-4869
Attorneys for County of San Diego**

1. Attached herewith as Exhibit "A" is a true and correct copy of 1986 Southern California Soil and Testing Report (Bate Stamp Nos. CSM 002024 - CSM 002054).

2. Attached herewith as Exhibit "B" is a true and correct copy of June 1989 correspondence re additional fill added to the site (Bate Stamp Nos. CSM 000515, CSM 000500, CSM 000514).

3. Attached herewith as Exhibit "C" is a true and correct copy of May 1989 T.B. Penick & Sons, Inc. correspondence concerning light pole foundations in trash (Bate Stamp No. CSM 000506).

4. Attached herewith as Exhibit "D" is a true and correct copy of City's June 1989 Response to Penick letter, Exh. C (Bate Stamp No. CSM 000505).

5. Attached herewith as Exhibit "E" is a true and correct copy of San Marco's 1990 easement to County Water Authority and map (recorded on 12/7/90, consisting of 14 pages).

6. Attached herewith as Exhibit "F" is a true and correct copy of October 11, 1991 letter from the County LEA to CWA regarding exposed refuse mixed with water (Bate Stamp Nos. CSM 003562).

7. Attached herewith as Exhibit "G" is a true and correct copy of correspondence and reports concerning open wells and borings into landfill (Bate Stamp Nos. CSM 003478 - 003479, CSM 003496 - 3506, CSM 003495, CSM 003493 - CSM 003494, CSM 003491 - CSM 003492, CSM 003487 - CSM 003489, CSM 003485 - CSM 003486).

8. Attached herewith as Exhibit "H" is a true and correct copy of RWQCB letters to San Marcos concerning new turf field design (Bate Stamp Nos. CSM 005193 - CSM 005194, CSM 003830 - CSM 003831).

9. Attached herewith as Exhibit "I" is a true and correct copy of June 2001 Western Soil and Foundation Engineering, Inc.'s Geotechnical Report (Bate Stamp Nos. CSM 002851 - CSM 002897).

10. Attached herewith as Exhibit "J" is a true and correct copy of 2003 Western Soils Reports of drilling through saturated trash (Bate Stamp Nos. CSM 003006, CSM 003004 - CSM 003005, CSM 002999).

11. Attached herewith as Exhibit "K" is a true and correct copy of summer 1996 correspondences regarding trenching and fireworks (consisting of 2 pages, not Bate Stamped).

12. Attached herewith as Exhibit "L" is a true and correct copy of summer 2000 correspondence regarding over-watering and design violations at new turf field (Bate Stamp Nos. CSM 002109, CSM 002106, CSM 002100 - CSM 002105, CSM 002107 - CSM 002108).

13. Attached herewith as Exhibit "M" is a true and correct copy of City's 1997 CEQA negative declaration and affirmation of maintenance responsibility (Bate Stamp Nos. CSM 004903 - CSM 004919).

14. Attached herewith as Exhibit "N" is a true and correct copy of 1997 County request that City confirm the City's maintenance responsibility (consisting of 1 page).

15. Attached herewith as Exhibit "O" is a true and correct copy of County correspondences regarding site issues in 2000 and 2002 (consisting of 8 pages).

DATED: 12-27-06

JOHN J. SANSONE, County Counsel

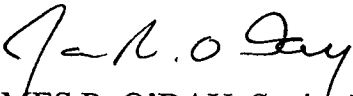
By 
JAMES R. O'DAY, Senior Deputy
Attorneys for County of San Diego

EXHIBIT A



RECEIVED
JAN 11 1995
OFFICE SAN MARCOS

SOUTHERN CALIFORNIA SOIL AND TESTING, INC.
6390 RIVERDALE ST. SAN DIEGO, CALIF. 92120 • TELE 290-4321 • P.O. BOX 30627 SAN DIEGO, CALIF. 92130
479 ENTERPRISE ST. ESCONDIDO, CALIF. 92825 • TELE 748-6844

June 10, 1986

Gurganus And Associates
145 Vallecitos De Oro, Suite 208
San Marcos, California 92069

SCS&T 8621097
Report No. 1

SUBJECT: Limited Soil Investigation, Linda Vista Park, San
Marcos, California.

ATTENTION: Wayne Gurganus

Gentlemen;

In accordance with your authorization, we have performed a limited investigation of the soil conditions at the subject site. The purpose of this investigation was to determine the approximate thickness of the soil cover over the old sanitary land fill at the site and to determine the location of cut/fill daylight lines. We are presenting herein our findings.

The subject site is a 30 acre parcel of land bounded on the west by Rancho Santa Fe Road on the north by Linda Vista Road, on the east by Pacific Street, and on the south by residential property. The area of concern for this investigation was the southerly 22 acres of the park that was used in the 1960's as a sanitary land fill site. This area is vacant of improvements and is graded into a relatively level pad. The pad is at about the same elevation as Rancho Santa Fe Road, ten to fifteen feet higher than the

SOUTHERN CALIFORNIA SOIL AND TESTING, INC.

park area to the north, twenty-five to thirty feet higher than Pacific Street, and one to twenty-five feet higher than the residential property to the south. Two large diameter water lines of the San Diego County Water Authority cross the site in the westerly portion.

The scope of our services was limited to excavating twenty-six backhoe trenches throughout the area in question. The locations of these trenches are shown on Plate Number 1, included in the pocket of this report. These excavations were made on May 29 and May 30, 1986 and varied from six to thirteen feet deep. The excavations were logged when made by a member of our engineering geology staff and these logs are presented on the attached Plate Numbers 3 through 28. It was beyond the scope of our investigation to determine the depth and lateral extent of the sanitary fill material; however, we did indicate the approximate amount of soil in the trash fill material on the trench logs.

In general, the thickness of the soil cover over the sanitary fill material varied from one and a half feet to seven feet. The average thickness of cover was about three to four feet. Trench Number 4, which was excavated near the center of the west boundary, was an exception in that it did not expose any trash and encountered natural ground at about five and a half feet below the surface. No other trenches exposed natural ground. Trench Number 22 was also an exception in that it encountered twelve feet of clean fill material. This trench was excavated near the northwest corner of the park. Only one trench encountered wet or saturated soil. This was Trench Number 5, which was excavated in the southwest corner of the park near the adjacent residential development.

The trash fill material appeared to be relatively well preserved with little decomposition and decay. There was, however, a very

strong odor, indicating decomposition and the generation of methane gas is occurring as expected. It is anticipated that the decomposition of the deleterious materials will be accelerated by the introduction of water from landscape irrigation once the park is developed. This decomposition will result in substantial, time related settlements. The magnitude and time rate of these settlements cannot be predicted by conventional soil mechanics methods and at best, could only be "guesstimated" based on experience with other sanitary landfills. We do not have enough experience with such predictions to provide any useful information on this subject.

If you have any questions after reviewing this report or if we can be of further service, please do not hesitate to contact the undersigned. This opportunity to be of service is sincerely appreciated.

Respectively submitted;
SOUTHERN CALIFORNIA SOIL AND TESTING, INC.



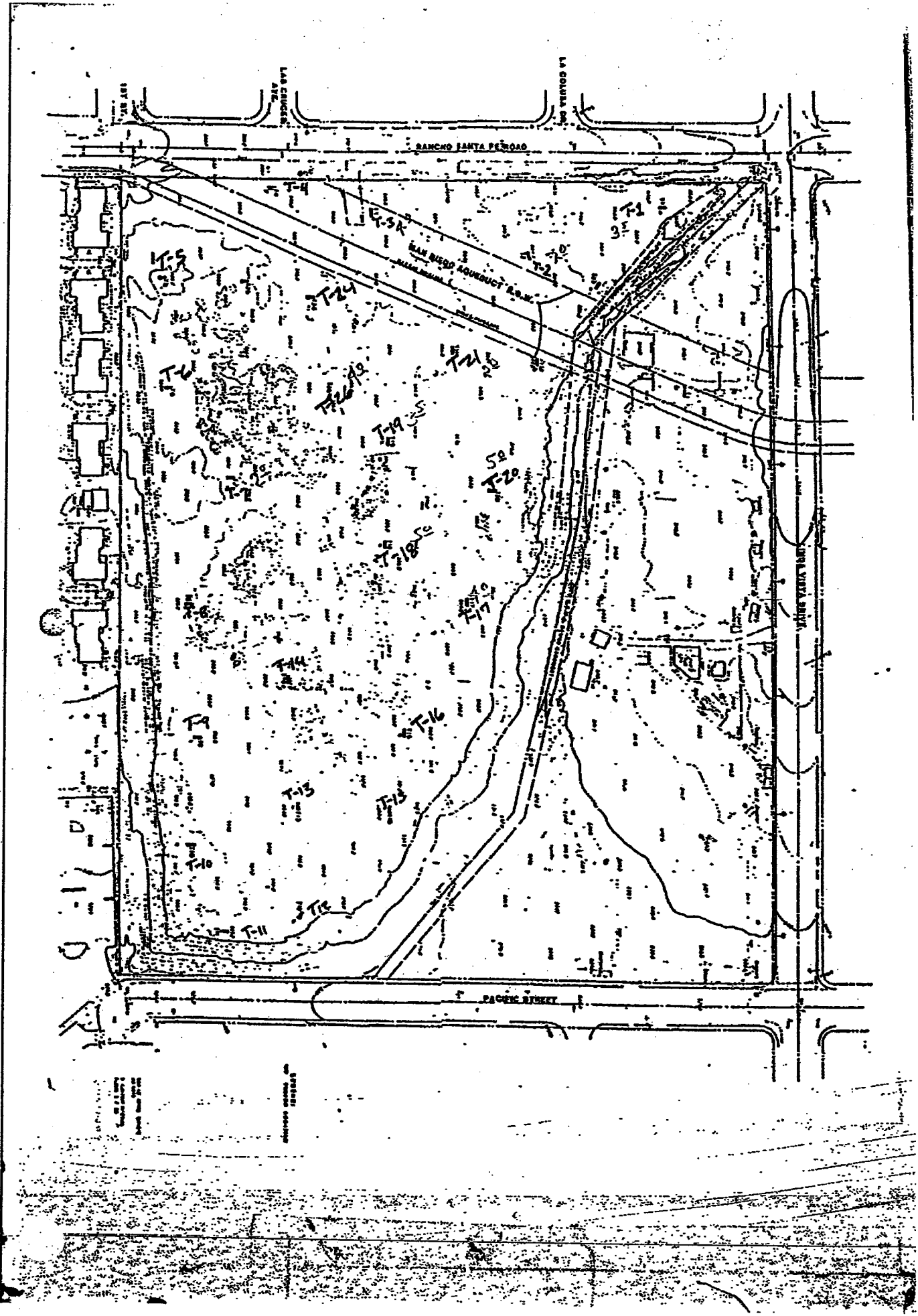
Charles H. Christian, R.C.E. 22330


Curtis R. Burdett, C.E.G. #1090

CHC:CRB:pp

Copy: (4) Submitted

(1) SCS&T Escondido



SUBSURFACE EXPLORATION LEGEND

UNIFIED SOIL CLASSIFICATION CHART

SOIL DESCRIPTION	GROUP SYMBOL	TYPICAL NAMES		
I. COARSE GRAINED, more than half of material is larger than No. 200 sieve size.				
GRAVELS More than half of coarse fraction is larger than No. 4 sieve size but smaller than 3".	CLEAN GRAVELS	GW Well graded gravels, gravel-sand mixtures, little or no fines. GP Poorly graded gravels, gravel sand mixtures, little or no fines.		
	GRAVELS WITH FINES (Appreciable amount of fines)	GM	Silty gravels, poorly graded gravel-sand-silt mixtures.	
		GC	Clayey gravels, poorly graded gravel-sand, clay mixtures.	
	SANDS More than half of coarse fraction is smaller than No. 4 sieve size.	CLEAN SANDS	SW Well graded sand, gravelly sands, little or no fines. SP Poorly graded sands, gravelly sands, little or no fines.	
		SANDS WITH FINES (Appreciable amount of fines)	SM	Silty sands, poorly graded sand and silty mixtures.
			SC	Clayey sands, poorly graded sand and clay mixtures.
II. FINE GRAINED, more than half of material is smaller than No. 200 sieve size.				
SILTS AND CLAYS	ML	Inorganic silts and very fine sands, rock flour, sandy silt or clayey-silt-sand mixtures with slight plasticity.		
	Liquid Limit less than 50	CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.	
SILTS AND CLAYS		OL	Organic silts and organic silty clays or low plasticity.	
	Liquid Limit greater than 50	MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.	
Liquid Limit greater than 50		CH	Inorganic clays of high plasticity, fat clays.	
	Liquid Limit greater than 50	OH	Organic clays of medium to high plasticity.	
HIGHLY ORGANIC SOILS		PT	Peat and other highly organic soils.	

-- Water level at time of excavation or as indicated
 US -- Undisturbed, driven ring sample or tube sample

CK -- Undisturbed chunk sample
 BG -- Bulk sample
 SP -- Standard penetration sample



SOUTHERN CALIFORNIA SOIL & TESTING, INC.

BY: CRB
 JOB NUMBER: 8521097

DATE: 6-5-86
 Plate No. 2

DEPTH (ft.)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 1	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION					
1		SM/SC		Humid To Moist	Medium Dense			
2								
3		SC/CL		Moist	Medium Dense			
4								
5		AF						
6								
7								
8								
9								
10								
11								
12								
13								
			BOTTOM OF HOLE					



**SOUTHERN CALIFORNIA
SOIL & TESTING, INC.**

SUBSURFACE EXPLORATION LOG

LOGGED BY: CRB

DATE LOGGED: 6-5-86

JOB NUMBER: 8621097

Plate No. 3

DEPTH (ft.)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 2	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION					
1		SM		Humid To Moist	Loose/ Medium Dense			
2								
3								
4		SM/ SC	<u>FILL FROM SANTIAGO FORMATION</u>	Moist	Medium Dense			
5			Yellow Brown <u>CLAYEY SILTY SAND</u>					
6								
7		SC/ AF	Greenish Grey & Yellow Brown To Brown Clayey Sand & Land Fill-Mixture of Soil With Trash, Amount of Soil is 70% (By Volume)	Moist	Loose/ Medium Dense			
8								
9								
10								
11								
12								
13								
			BOTTOM OF HOLE					



SOUTHERN CALIFORNIA SOIL & TESTING, INC.

SUBSURFACE EXPLORATION LOG
 LOGGED BY: CRB DATE LOGGED: 6-5-85
 JOB NUMBER: 8621097 Plate No. 4

DEPTH (ft.)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 3	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION					
1		SM/SC&SC/CL	FILL FROM SANTIAGO FORMATION	Humid To Moist	Medium Dense			
2			Brown To Yellow Brown CLAYEY SILTY SAND AND Greenish Brown CLAYEY SAND/SANDY CLAY					
3								
4		AF	Greenish Grey, Land Fill-Mostly Trash With 30% Soil (By Volume)	Moist	Loose			
5								
6								
7								
8								
9			BOTTOM OF HOLE					



**SOUTHERN CALIFORNIA
SOIL & TESTING, INC.**

SUBSURFACE EXPLORATION LOG

LOGGED BY: CRB

DATE LOGGED: 6-5-96

JOB NUMBER: 9621097

Plate No. 5

DEPTH (ft.)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 4	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION					
1		SM	FILL Yellow Brown <u>SILTY SAND</u>	Humid To Moist	Medium Dense			
2								
3								
4								
5		SC/GC	FILL FROM SANTIAGO PEAK <u>VOLCANICS</u> Reddish Brown <u>CLAYEY SANDS & CLAYEY GRAVELS</u>	Moist	Medium Dense			
6		SM	NATURAL TOPSOIL Light Grey Brown <u>SILTY SAND</u>	Humid To Moist	Loose To Medium Dense			
7		SC/CL	<u>SUBSOIL</u> Grey Brown & Reddish Brown <u>CLAYEY SAND & CLAY</u>	Moist	Medium Dense			
8								
9		SM & SM/SC	<u>OLDER ALLUVIUM</u> Grey Brown <u>SILTY SAND & CLAYEY SILTY SAND</u>	Moist	Medium Dense			
10			BOTTOM OF HOLE					



**SOUTHERN CALIFORNIA
SOIL & TESTING, INC.**

SUBSURFACE EXPLORATION LOG

LOGGED BY: CRB	DATE LOGGED: 6-5-86
JOB NUMBER: 8621097	Plate No. 6

DEPTH (ft.)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 5	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION					
1		SM		Humid To Moist	Medium Dense			
2								
3								
4								
5								
6		AF		Wet	Loose			
7			Dark Grey Land Fill-Almost Entirely Trash, Amount of Soil Is 10% (By Volume)					
8				Saturated				
9								
10								
11								
12								
			BOTTOM OF HOLE					



**SOUTHERN CALIFORNIA
SOIL & TESTING, INC.**

SUBSURFACE EXPLORATION LOG

LOGGED BY: CRB

DATE LOGGED: 6-5-86

JOB NUMBER: 8621097

Plate No. 7

DEPTH (ft)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 6	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION					
1		SN		Humid To Moist	Medium Dense			
2								
3		AF						
4								
5								
6								
7								
8								
9								
			BOTTOM OF HOLE					



**SOUTHERN CALIFORNIA
SOIL & TESTING, INC.**

SUBSURFACE EXPLORATION LOG
 LOGGED BY: CRB DATE LOGGED: 6-5-86
 JOB NUMBER: 8621097 Plate No. 8

DEPTH (ft.)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 7	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION					
1		SM/SC		Humid To Moist	Medium Dense			
2								
3		AF						
4								
5								
6								
7								
8								
9								
			BOTTOM OF HOLE					



**SOUTHERN CALIFORNIA
SOIL & TESTING, INC.**

SUBSURFACE EXPLORATION LOG

LOGGED BY: CRB	DATE LOGGED: 6-5-86
JOB NUMBER: 8621097	Plate No. 9

DEPTH (ft.)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 9	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY lb/ft ³	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION					
1		SM		Humid To Moist	Medium Dense			
2			FILL FROM SANTIAGO FORMATION Yellow Brown <u>SILTY SAND</u>					
3								
4		SM & AF	Brown To Yellow Brown & Greenish Grey <u>SILTY SAND</u> & Land Fill Amount of Trash is 50% (By Volume)					
5								
6								
7			BOTTOM OF HOLE					



**SOUTHERN CALIFORNIA
SOIL & TESTING, INC.**

SUBSURFACE EXPLORATION LOG

LOGGED BY: CRB

DATE LOGGED: 6-5-86

JOB NUMBER: 8621097

Plate No. 11

