

**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**

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**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).

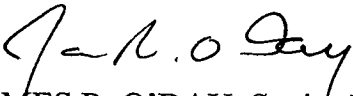
13. Attached herewith as Exhibit "M" is a true and correct copy of City's 1997 CEQA negative declaration and affirmation of maintenance responsibility (Bate Stamp Nos. CSM 004903 - CSM 004919).

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 200-4321 • P.O. BOX 30627 SAN DIEGO, CALIF. 92130  
479 ENTERPRISE ST. ESCONDIDO, CALIF. 92525 • 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

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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.



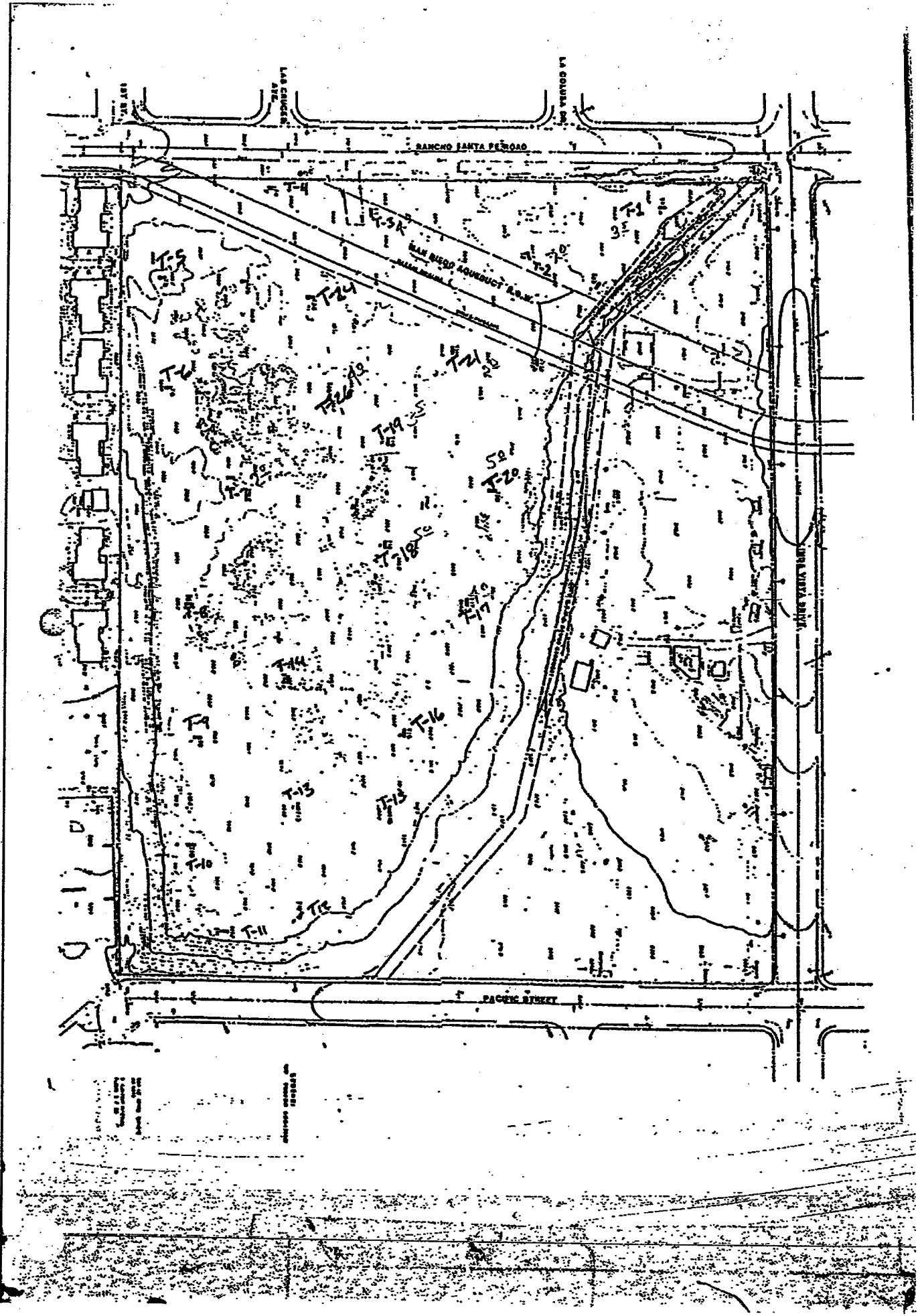
Charles H. Christian, R.C.E. 22330

  
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		
<b>I. COARSE GRAINED, more than half of material is larger than No. 200 sieve size.</b>				
<b>GRAVELS</b> More than half of coarse fraction is larger than No. 4 sieve size but smaller than 3".	<b>CLEAN GRAVELS</b>	GW Well graded gravels, gravel-sand mixtures, little or no fines. GP Poorly graded gravels, gravel sand mixtures, little or no fines.		
	<b>GRAVELS WITH FINES (Appreciable amount of fines)</b>	GM	Silty gravels, poorly graded gravel-sand-silt mixtures.	
		GC	Clayey gravels, poorly graded gravel-sand, clay mixtures.	
	<b>SANDS</b> More than half of coarse fraction is smaller than No. 4 sieve size.	<b>CLEAN SANDS</b>	SW Well graded sand, gravelly sands, little or no fines. SP Poorly graded sands, gravelly sands, little or no fines.	
		<b>SANDS WITH FINES (Appreciable amount of fines)</b>	SM	Silty sands, poorly graded sand and silty mixtures.
			SC	Clayey sands, poorly graded sand and clay mixtures.
<b>II. FINE GRAINED, more than half of material is smaller than No. 200 sieve size.</b>				
<b>SILTS AND CLAYS</b>	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.	
<b>SILTS AND CLAYS</b>		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.	
HIGHLY ORGANIC SOILS		CH	Inorganic clays of high plasticity, fat clays.	
		OH	Organic clays of medium to high plasticity.	
	PT	Peat and other highly organic soils.		

- |  |   |
|--|---|
| <p> -- Water level at time of excavation or as indicated</p> <p>US -- Undisturbed, driven ring sample or tube sample</p> | <p>CK -- Undisturbed chunk sample</p> <p>BG -- Bulk sample</p> <p>SP -- Standard penetration sample</p> |
|--|---|



**SOUTHERN CALIFORNIA  
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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  
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**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					
6			<u>CLAYEY SILTY SAND</u>					
7								
8		SC/ AF	Greenish Grey & Yellow	Moist	Loose/ Medium Dense			
9			Brown To Brown Clayey Sand & Land Fill-Mixture of Soil With Trash, Amount of Soil is 70% (By Volume)					
10								
11								
12								
13								
			BOTTOM OF HOLE					



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**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 ON 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		Humid To Moist	Medium Dense			
2								
3								
4								
5		SC/GC	FILL FROM SANTIAGO PEAK VOLCANICS Reddish Brown CLAYEY SANDS & CLAYEY GRAVELS	Moist	Medium Dense			
6		SM	NATURAL TOPSOIL Light Grey Brown SILTY SAND	Humid To Moist	Loose To Medium Dense			
7		SC/CL	SUBSOIL Grey Brown & Reddish Brown CLAYEY SAND & CLAY	Moist	Medium Dense			
8								
9		SM & SM/SC	OLDER ALLUVIUM Grey Brown SILTY SAND & CLAYEY SILTY SAND	Moist	Medium Dense			
10								
			BOTTOM OF HOLE					



**SOUTHERN CALIFORNIA  
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**SUBSURFACE EXPLORATION LGG**

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								
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 8	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION					
1		SM		Humid To Moist	Medium Dense			
2								
3								
4		AF						
5								
6								
7								
8								
			BOTTOM OF HOLE					



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

**SUBSURFACE EXPLORATION LOG**

LOGGED BY: CRB

DATE LOGGED: 6-5-85

JOB NUMBER: 8521097

Plate No. 10

DEPTH (ft.)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 9	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY lb/ft <sup>3</sup>	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



DEPTH (ft.)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 11	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION					
1		CL		Humid To Moist	Stiff			
			FILL Grey Brown <u>SANDY CLAY</u>					
2		SM/SC		Moist	Medium Dense			
			Yellow Brown To Greenish Brown <u>CLAYEY SILTY SAND</u>					
3		AF		Moist	Loose			
			Brown To Grey Brown Mixture of Soil & Trash; Amount of Trash Is 50% (By Volume)					
4								
5								
6								
7								
			BOTTOM OF HOLE					



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

**SUBSURFACE EXPLORATION LOG**

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JOB NUMBER: 8621097

Plate No. 13

DEPTH (ft.)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 12	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION					
1		CL		Humid To Moist	Stiff			
			FILL Brown To Grey Brown <u>SANDY CLAY</u>					
2		SM/SC		Moist	Medium Dense			
			Yellow Brown To Greenish Brown, <u>CLAYEY SILTY SAND</u>					
3		AF		Moist	Loose			
			Grey Land Fill - Mostly Trash, Amount of Soil Is Less Than 10%					
4								
5								
6								
			BOTTOM OF HOLE					



**SOUTHERN CALIFORNIA  
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**SUBSURFACE EXPLORATION LOG**

LOGGED BY: CRB

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JOB NUMBER: 8621097

Plate No. 14

DEPTH (ft.)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 13		APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION	DESCRIPTION					
1		CL		<u>FILL</u> Brown SANDY CLAY	Humid To Moist	Stiff			
2		SM/SC		Yellow Brown To Greenish Brown <u>CLAYEY SILTY SAND</u>	Moist	Medium Dense			
3									
4									
5		AF		Grey Land Fill - Mostly Trash - Amount of Soil Is 10% (By Volume)					
6									
7									
8									
9									
10				BOTTOM OF HOLE					



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

**SUBSURFACE EXPLORATION LOG**

LOGGED BY: CRB  
JOB NUMBER: 8621097

DATE LOGGED: 6-5-86  
Plate No. 15

DEPTH (ft)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 14	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION					
1		SM		Moist	Medium Dense			
2								
3		SM/SC	Light Greenish Brown To Light Grey Brown	Moist	Medium Dense			
4								
5		AF&SM	Grey To Grey Brown & Greenish Grey <u>SILTY SAND</u> & Land Fill	Moist	Loose			
6			Mixture of Soil & Trash;					
7			Amount of Trash Is 50% (By Volume)					
8								
9								
			BOTTOM OF HOLE					



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

**SUBSURFACE EXPLORATION LOG**

LOGGED BY: **CRB**

DATE LOGGED: **6-5-85**

JOB NUMBER: **8621097**

Plate No: **16**





DEPTH (ft.)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 16	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION					
1	SM	<u>FILL</u> Yellow Brown <u>SILTY SAND</u>		Humid To Moist	Medium Dense			
2								
3	SM/SC	Light Greenish Brown <u>CLAYEY SILTY SAND</u>		Moist	Medium Dense			
4								
5	AF	Grey Land Fill - Mostly Trash; Amount of Soil Is 10% (By Volume)		Moist	Loose			
6								
7								
8		<u>BOTTOM OF HOLE</u>						



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

**SUBSURFACE EXPLORATION LOG**

LOGGED BY: CRB

DATE LOGGED: 6-5-86

JOB NUMBER: 8621097

Plate NO. 18

DEPTH (ft.)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 17	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION					
1		SM & SM/SC		Humid To Moist	Medium Dense			
2								
3								
4		AF		Moist	Loose			
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. 19

DEPTH (ft)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 18	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION					
1		SM & SM/SC		Humid To	Medium Dense			
2								
3								
4								
5								
6		AF & SM	Brown To Grey Brown	Moist	Loose			
7			<u>SILTY SAND</u> & Land Fill					
8			Mostly Trash; Amount of Soil Is 20% (By Volume)					
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. 20

DEPTH (ft.)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 19	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION					
1		SM		Humid	Loose To Medium Dense			
2		SM/SC		Moist	Medium Dense			
3								
4		AF&SM		Moist	Loose			
5								
6								
7								
8								
			BOTTOM OF HOLE					



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

**SUBSURFACE EXPLORATION LOG**

LOGGED BY: CRB -

DATE LOGGED: 6-5-86

JOB NUMBER: 8621097

Plate No. 21

DEPTH (ft.)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 20	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION					
1	SM & SC	<u>FILL</u> Yellow Brown To Grey Brown <u>SILTY SAND &amp; CLAYEY SAND</u>		Humid To Moist	Medium Dense			
2								
3								
4								
5	AF & SM	Grey To Grey Brown <u>SILTY SAND</u> & Land Fill- Mostly Trash; Amount of Soil Is 20% (By Volume)		Moist	Loose			
6								
7								
8								
			BOTTOM OF HOLE					



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

**SUBSURFACE EXPLORATION LOG**

LOGGED BY: CRB

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Plate No. 22

DEPTH (ft.)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 21	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION					
1		SM & SC	<u>FILL</u> Yellow Brown & Green Brown <u>SILTY SAND &amp; CLAYEY SAND</u>	Humid To Moist	Medium Dense			
2		AF & SM	Grey To Grey Brown & Greenish Brown <u>SILTY SAND</u> & Land Fill - Amount of Soil Is 50% (By Volume)	Moist	Loose			
3								
4								
5								
6								
7			<b>BOTTOM OF HOLE</b>					



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

**SUBSURFACE EXPLORATION LOG**

LOGGED BY: CRB

DATE LOGGED: 6-5-86

JOB NUMBER: 8621097

Plate No. 23



DEPTH (ft)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 23	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION					
1		SM		Humid To Moist	Medium Dense			
			<u>FILL</u> Brown To Yellow Brown <u>SILTY SAND</u>					
2		AF		Moist	Loose			
			Grey Land Fill - Mostly Trash; Amount of Soil Is 10% (By Volume)					
5		AF/ SC		Moist	Medium Dense			
			Greenish Brown <u>CLAYEY SILTY SAND</u> & <u>CLAYEY SAND</u> Same Trash; Amount of Trash Is 20% (By Volume)					
7								
			<u>BOTTOM OF HOLE</u>					



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

**SUBSURFACE EXPLORATION LOG**

LOGGED BY: CRB

DATE LOGGED: 6-5-86

JOB NUMBER: 8621097

Plate No: 25



DEPTH (ft.)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 24	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION					
1		SM	FILL Brown SILTY SAND	Humid To Moist	Medium Dense			
2		SC & AF	Greenish Brown & Grey CLAYEY SAND & Land Fill - Mixture of Soil & Trash; Amount of Trash Is 50% (By Volume)	Moist	Loose			
3								
4								
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. 26

DEPTH (ft)	SAMPLE TYPE	SOIL CLASSIFICATION	TRENCH NUMBER 25	APPARENT MOISTURE	APPARENT CONSISTENCY OR DENSITY	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)
			ELEVATION					
1		SM/GH		Humid	Medium Dense			
2								
3								
4		SM&SM/SC	Yellow Brown To Brown <u>SILTY SAND &amp; CLAYEY SILTY SAND</u>	Moist	Medium Dense			
5								
6		SM/SC&AF	Brown To Greenish Brown & Grey <u>CLAYEY SILTY SAND</u> & Land Fill - Mixture of Soil & Trash; Amount of Trash Is 50%					
7								
8			BOTTOM OF HOLE					



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

**SUBSURFACE EXPLORATION LOG**

LOGGED BY: CRB  
JOB NUMBER: 8621097

DATE LOGGED: 6-5-86  
Plate No. 27



## **EXHIBIT B**



# City of San Marcos

105 W. RICHMAR AVENUE • SAN MARCOS, CALIFORNIA 92069

619/744-4020

PUBLIC WORKS DEPARTMENT (619)744-9240

June 5, 1989

Attn: Mr. Eric Honour  
T.B. Penick & Sons Inc.  
P.O. Box 8428  
San Diego, California 92102-0428


RE: BILL BRADLEY PARK DEVELOPMENT PROJECT

Dear Eric:

You are hereby authorized to grade the south side earthen drainage ditch so as to clear an existing sewer manhole. Line of the earthen drainage ditch shall be as directed by the Engineer. Grade shall remain as indicated on the Plans.

You are hereby authorized to dispose of found oversized rocks and broken concrete remnants within the fill areas. Acceptability of type and size of oversized solid fill shall be determined by the Engineer. Location and placement of oversized solid fill within the fill area shall be determined by the Engineer.

Sincerely,

  
Richard H. Bybanc  
Public Works Director

RHW:lg

CITY COUNCIL

Lee B. Thibadeau, Mayor

Mark Loscher, Vice Mayor

Mike Preston

Pla Harris

F. H. Smith

**T.B. PENICK & SONS, INC.**

BUILDING • ENGINEERING • CONCRETE SINCE 1905

FIELD MEMO NO. 02

**TO** CITY OF SAN MARCOS  
105 W. RICHMAR AVE.  
SAN MARCOS, CA. 92069

DATE 6-5-89  
JOB NAME BRADLEY REC. FACILITY  
JOB NUMBER SHH  
JOB LOCATION SAN MARCOS  
RE:

**ATTN** MR. RICHARD WYANT

**DIRT SHORTAGE**

Refer to Contract Drawing No. \_\_\_\_\_  
Detail No. \_\_\_\_\_  
Specification No. \_\_\_\_\_

Notification of:  Request for Clarification  Directed Change  
 Differing Site Condition  Shut down of existing operation or utilities

ITEM DESCRIPTION

PLEASE BE ADVISED THAT THERE APPEARS TO BE A DISCREPANCY IN THE GRADING QUANTITIES. I HAVE BEEN INFORMED BY OUR GRADING SUBCONTRACTOR THAT APPROXIMATELY 5000± CUBIC YARDS OF IMPORTED MATERIAL WILL BE REQUIRED TO BRING THE SITE TO DESIGN ELEVATION. PER BID ITEM #6, WE ARE PLANNING TO IMPORT 2400 CUBIC YARDS, HOWEVER THIS LEAVES A BALANCE OF 2600± CUBIC YARDS TO COMPLETE THE GRADING. PLEASE RESPOND AS SOON AS POSSIBLE SO THAT WE MAY TAKE WHATEVER STEPS ARE NECESSARY TO COMPLETE THE GRADING WITHOUT IMPACTING OUR SCHEDULE.

Date Response required in order to avoid delays. ASAP

RESPONSE

SIGNED: ERIC HONOUR

INSTR. WRITE TO Addressee

CANARY: To Main Office

FIELD: To Field Office

864 34TH STREET P.O. BOX 8428 SAN DIEGO, CALIFORNIA 92102-0428 (619) 239-3046

Contractor's License No. 105331

# T.B. PENICK & SONS, INC.

BUILDING • ENGINEERING • CONCRETE SINCE 1905

FIELD MEMO NO. 04

TO CITY OF SAN MARCOS  
105 W. RICHMAR AVE.  
SAN MARCOS, CA. 92069

DATE 6-12-89  
JOB NAME BRADLEY REC FACILITY  
JOB NUMBER 544  
JOB LOCATION SAN MARCOS, CA  
RE

ATTN:

MR. RICHARD WYGANT

ADDITIONAL IMPORTED FILL

Refer to: Contract Drawing No. \_\_\_\_\_  
Detail No. \_\_\_\_\_  
Specification No. \_\_\_\_\_

Notification of  
 Request for Clarification  
 Directed Change  
 Differing Site Condition  
 Shut down of existing operation or utilities

### DESCRIPTION

PER YOUR VERBAL DIRECTION ON 6-5-89, WE ARE PROCEEDING WITH THE IMPORT OF ADDITIONAL FILL MATERIAL AS REQUIRED TO BRING THE PROJECT SITE TO DESIGN ELEVATION. QUANTITY OF ADDITIONAL IMPORT MATERIAL WILL BE DETERMINED BY COUNTING THE NUMBER OF TRUCK LOADS BROUGHT ONTO THE SITE WHICH WILL BE VERIFIED BY THE OWNER'S REPRESENTATIVE. EACH TRUCK CARRIES AN ESTIMATED 14.5 COMPACTED CUBIC YARDS. IF YOU HAVE ANY QUESTIONS OR COMMENTS, PLEASE GIVE ME A CALL.

Date Response required in order to avoid delays: \_\_\_\_\_

### RESPONSE

2/13  
For my phone call to Eric Ho. We will assume 25 ton / truck - max 90% density of material and calc. CY's / truck.

SIGNED: ERIC HONOUR

DISTR: WHITE To Addressee

CANARY: To Main Office

PINK: To Field Office

CITY OFFICE: 864 34TH STREET P.O. BOX 8428 SAN DIEGO, CALIFORNIA 92102-0428 (619) 239-3046

Contractor's License No. 185381

CSM 000514

## **EXHIBIT C**



AC  
T.B. PENICK  
& SONS, INC.

BUILDING • ENGINEERING • CONCRETE SINCE 1905

May 24, 1989

RECEIVED

JUN 1 1989

CITY OF SAN MARCOS  
PUBLIC WORKS DEPARTMENT

City of San Marcos  
105 West Richmar Avenue  
San Marcos, CA 92069

ATTENTION: Mr. Richard Wygant

REFERENCE: SPORTS LIGHTING POLES

Gentlemen:

Please be advised that a potential design deficiency exists in the Contract Drawings. Due to the fact that the Sports Light Poles are going to extend into the landfill material (by design) penetrating the "Earth Seal", we believe that accelerated decomposition of the landfill material around the light poles will occur. This may cause a loss of compaction density in the material surrounding the pole foundation. Due to the unsuitable nature of the landfill material as foundation soil, we believe that the subgrade may shift, causing the poles to move out of plumb, settle, and cause the light fixtures to be displaced from their original position. We are concerned that the poles may move fairly rapidly, affecting installation and testing of lights as well as lighting performance for the user.

T.B. Penick & Sons, Inc. and its electrical subcontractor wish to inform the City that we do not believe this installation method is advisable. It is requested that the City and its design consultants review the pole foundations to develop a more permanent solution. If it is determined that the poles are to be installed on foundations resting in landfill material, please consider this correspondence our notice of non-responsibility for warranty of light pole installation.

If we may be of assistance in the development of a solution, please contact me at 239-3046 on the site between 7:00 am and 4:00 pm.

Sincerely,

T.B. PENICK & SONS, INC.



Eric Honour  
Project Manager

EH\jgh

864 34TH STREET P.O. BOX 8428 SAN DIEGO, CALIFORNIA 92102-0428 (619) 239-3046

Contractor's License No. 185381

CSM 000506

## **EXHIBIT D**



# City of San Marcos

105 W. RICHMAR AVENUE • SAN MARCOS, CALIFORNIA 92069

619/744-4020

PUBLIC WORKS DEPARTMENT (619) 744-9240

JUNE 13, 1989

Attn: Mr. Eric Honour  
Project Manager  
T.B. Penick and Sons Inc.  
P.O. Box 8428  
San Diego, California 92102-0428

RE: FOUNDATIONS TO SPORTS LIGHTING POLES

Dear Mr. Honour:


Be advised that this is in response to your letter of May 24, 1989, wherein you express concern over the foundations of lighting poles. You state in your letter "If it is determined that the poles are to be installed on foundations resting in landfill material, please consider this correspondence our notice of non-responsibility for warranty of light pole installation."

There has been no change in the planned footing of the poles from what you submitted your bid on. The Specifications for the project clearly indicate that the entire project is to be constructed on an old landfill. The requirement for the contractor to warranty the light pole installation was in the Specifications when you submitted your bid for the project. I therefor see no reason to consider your above referenced correspondence as anything relieving you from your contractual responsibilities.

If you wish to submit an alternate pole foundation design which you would install for no additional compensation and be more comfortable with it, we would be glad to review it and consider it.

If you have any questions on this matter, please feel free to call me.

Sincerely,

  
Richard H. Wygant  
Public Works Director

RHW:lg

CITY COUNCIL

Lee B. Thibadeau, Mayor

Mark Loscher, Vice Mayor

Mike Preston

Pia Harris

F. H. Smith

CSM 000505

# **EXHIBIT E**

FOUNDER'S TITLE COMPANY

115232-0

Accommodation  
ONLY

90 653993

RECORDED IN  
OFFICIAL RECORDS  
OF SAN DIEGO COUNTY, CA.

RESOLUTION NO. 90-3573

1990 DEC -7. PM 1:42

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SAN MARCOS AUTHORIZING THE GRANTING OF AN EASEMENT THROUGH WILLIAM BRADLEY PARK FOR SDCWA PIPELINE EXTENSION PURPOSES

NO FEE

WHEREAS, The San Diego County Water Authority has identified the need to extend its water transmission facilities through the City of San Marcos, along an alignment passing through public property at William Bradley Park; and

WHEREAS, the Authority has selected an alignment which poses the least impact to that park facility and has committed to the restoration of any park improvements disturbed during pipeline construction; and

WHEREAS, the Authority has conducted an appraisal of the affected area and offered the City fair market compensation for the requested easement; and

WHEREAS, the proposed pipeline extension is necessary to ensure continued availability of water in the amounts required within the SDCWA service area.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of San Marcos does hereby authorize the City Manager to execute the "Grant of Easement to the San Diego County Water Authority" for pipeline extension purposes, Contract Number 1281 on file in the City Clerk Department.

PASSED, APPROVED AND ADOPTED by the City Council of the City of

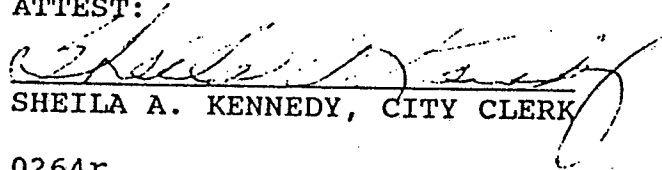
FOUNDER'S TITLE COMPANY

has requested that this document  
be recorded as an ACCOMMODATION ONLY  
It has not been examined for regularity,  
sufficiency, or effect on the title to  
the property herein described.

San Marcos, California at its regular meeting held on the 13th day of November, 1990 by the following roll call vote:

- AYES: COUNCILMEMBERS: HARRIS, LOSCHER, PRESTON, SMITH, THIBADEAU
- NOES: COUNCILMEMBERS: NONE
- ABSENT: COUNCILMEMBERS: NONE

  
LEE B. THIBADEAU, MAYOR


ATTEST:  
  
SHEILA A. KENNEDY, CITY CLERK

0264r

STATE OF CALIFORNIA )  
COUNTY OF SAN DIEGO ) ss.  
CITY OF SAN MARCOS )

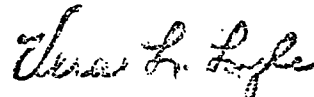
I, SHEILA A. KENNEDY, CITY CLERK, OF THE City of San Marcos DO HEREBY CERTIFY  
THAT THE ABOVE AND FOREGOING IS a full and true and correct copy of RESOLUTION  
NO. 90-3573 and that the same has not been amended or repealed.

DATED: November 15, 1990

  
SHEILA A. KENNEDY, CITY CLERK  
OF THE CITY OF SAN MARCOS

This is a true certified copy of the record  
if it bears the seal imprinted in purple ink  
of the Recorder.

DEC 07 1990

  
Recorder  
San Diego County, California



RECORDING REQUESTED BY  
FOUNDER'S TITLE COMPANY

115232-6  
Accommodation  
ONLY.

9 653994

RECORDED IN  
OFFICIAL RECORDS  
OF SAN DIEGO COUNTY, CA

1990 DEC -7 PM 1:42

After recording, mail to:

San Diego County Water Authority  
3211 Fifth Avenue  
San Diego, California 92103

Document No. 537

Tax Parcel No. 219-224-748

Title Order No. 990978-19

**GRANT OF EASEMENT  
TO THE  
SAN DIEGO COUNTY WATER AUTHORITY**

**NO FEE**

The undersigned (hereinafter "Grantor") is the owner of real property described in Exhibit A ("Property") attached hereto. For a valuable consideration, receipt of which is hereby acknowledged, Grantor hereby grants to the San Diego County Water Authority (hereinafter "Grantee") an exclusive and permanent easement and right to use and occupy the surface and subsurface of the real property described in Exhibit B ("Easement Area") attached hereto. Said easement and right shall be for all acts necessary for the purpose, including without limitation, of constructing, installing, operating, repairing, maintaining, improving, inspecting, reconstructing, relocating, replacing, and removing, now and in the future, a water pipeline or pipelines, which may parallel each other, together with related appurtenant structures, which may extend above the surface of the Easement Area, including vaults, manholes, flow control and measuring devices, air release and air vacuum valves, blow-offs, pumping wells, power transmission and communication conduits, and cables incidental to the operation and maintenance of the pipelines, underground anodes, anode wells and related facilities for cathodic protection of pipelines and all other facilities necessary for the operation and maintenance of water pipeline or pipelines.

FOUNDER'S TITLE COMPANY  
has requested that this document  
be recorded as an ACCOMMODATION ONLY  
It has not been examined for regularity,  
sufficiency, or effect on the title to  
the property herein described.



Grantor further grants the right of unobstructed ingress and egress across the Property to, along and from the Easement Area, including the right to pass and re-pass over and along said Easement Area and to deposit tools, implements and other materials on the Easement Area and to utilize construction, automotive and other equipment thereon when necessary for the purpose of exercising its rights hereunder.

Grantee may remove any buildings, structures, trees or other objects which are located on the easement area at the time of acquisition and the cost of removal shall be at sole cost of Grantee. Upon completion of any work for the purposes and uses herein granted, Grantee shall restore at Grantee's cost, the surface of the Easement Area to a compacted, neat, clean condition but not necessarily the same condition as prior to such work.

Grantor shall not construct any fences, gates, posts, chains, walls, buildings, structures or other objects which occupy or physically intrude on the land, or place any toxic or hazardous materials or objects on the Easement Area.

Grantor reserves the right to use the surface of the Easement Area in a manner which does not conflict with or disturb the rights and uses herein granted to the Grantee. Grantor may pave with asphalt the surface of the Easement Area and cause or permit the use of said areas for limited access or parking purposes so long as Grantee can gain immediate access to perform such work as necessary for its purposes and uses as herein granted. Grantor shall not cause or permit, by grading or filling, an increase or decrease in the surface elevation of the Easement Area, nor plant any trees nor grant any rights to others to use the Easement Area without the prior written consent of the Grantee. However, in all cases, prior to exercising any reserved rights or otherwise use the Easement

Area, the Grantor shall notify Grantee and secure its written consent and obtain an encroachment permit therefore, according to Grantee's established procedures. Grantee shall not establish unreasonable procedures and shall not unreasonably withhold its consent to said reserved uses nor to other uses which are not detrimental to the rights and uses granted it hereunder.

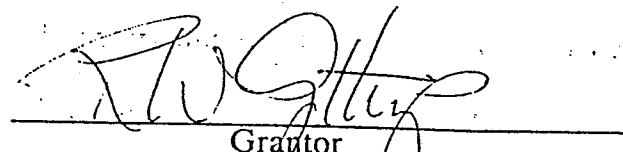
Grantee may remove any earthfill, fences, gates, posts, chains, walls, buildings, structures, trees, toxic or hazardous materials or objects placed on the Easement Area by Grantor without the consent of Grantee and the cost of removal and of restoring the Easement Area to its prior condition shall be at the sole cost of the Grantor.

If litigation is commenced to enforce the rights and obligations hereunder, the prevailing party shall be entitled to recover, in addition to any other legal remedies, all reasonable litigation costs including attorneys' fees.

The rights and obligations contained herein shall inure to the benefit of and be binding upon the successors-in-interest, agents, employees, assigns, and transferees of the parties hereto.

Executed this 14 day of November 1990.

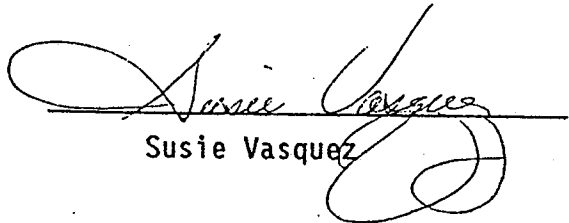
  
Grantee

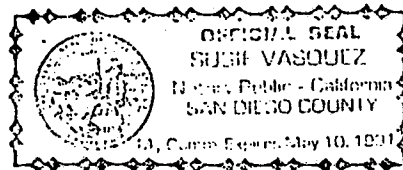
  
Grantor  
R.W. Gittings, City Manager  
For City of San Marcos

legaldoc.cas;sb

STATE OF CALIFORNIA)  
COUNTY OF SAN DIEGO) ss.

On this 4th day of December, 1990, before me, Susie Vasquez, Notary Public, personally appeared R. W. GITTINGS, personally known to me to be the person who executed this instrument as CITY MANAGER of the CITY OF SAN MARCOS and acknowledged to me that the CITY OF SAN MARCOS executed it.

  
Susie Vasquez



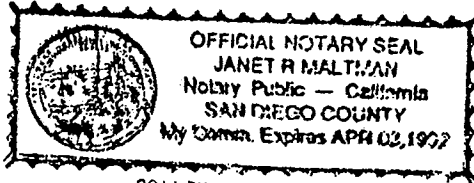
STATE OF CALIFORNIA)

SS

COUNTY OF SAN DIEGO)

On this day, December 5, 1990, before me, Janet R. Maltman a Notary Public, personally appeared Lester A. Snow personally known to me to be the person who executed this Instrument as General Manager of the San Diego County Water Authority and acknowledged to me that the San Diego County Water Authority executed it.

WITNESS my hand and official seal.



*Janet R. Maltman*  
Janet R. Maltman  
Notary Public

APN 219-224-7 & 8  
DOCUMENT NO. 537

EXHIBIT "A"

CITY OF SAN MARCOS, A MUNICIPAL CORPORATION, AN AREA OF LAND IN THAT CERTAIN PORTION OF RANCHO LOS VALLECITOS DE SAN MARCOS, IN THE CITY OF SAN MARCOS, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 806, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, BEING A PORTION OF LOTS 1, 2, 3, AND 4, BLOCK 111 OF SAID RANCHO AS DESCRIBED IN DEEDS TO THE CITY OF SAN MARCOS, RECORDED AUGUST 14, 1964, UNDER RECORDER'S FILE NO. 147753, AND RECORDED JANUARY 10, 1969, UNDER RECORDER'S FILE NO. 16374, OFFICIAL RECORDS OF SAID COUNTY.

EXHIBIT "B"

SAID PERMANENT EASEMENT BEING A STRIP OF LAND 100.00 FEET IN WIDTH LYING 30.00 FEET NORTHEASTERLY OF AND 70.00 FEET SOUTHWESTERLY OF THE FOLLOWING DESCRIBED LINE:

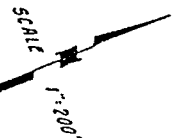
COMMENCING AT THE MOST SOUTHERLY CORNER OF SAID LOT 3, SAID POINT BEING A POINT ON THE NORTHEASTERLY LINE OF FIRST STREET, NOW VACATED TO PUBLIC USE; THENCE NORTHERLY ALONG THE EASTERLY LINE OF SAID LOT 3, 354.69 FEET TO THE TRUE POINT OF BEGINNING; THENCE LEAVING SAID EASTERLY LINE, NORTH 26 40'14" WEST 387.11 FEET; THENCE NORTH 53 52'29" WEST 473.24 FEET TO THE BEGINNING OF A TANGENT 300.00 FOOT RADIUS CURVE, CONCAVE NORTHEASTERLY; THENCE NORTHWESTERLY ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 55 43'12" A DISTANCE OF 291.75 FEET TO THE INTERSECTION WITH THE SOUTHEASTERLY LINE OF THAT PERMANENT EASEMENT CONVEYED TO THE SAN DIEGO COUNTY WATER AUTHORITY BY DOCUMENTS RECORDED OCTOBER 14, 1958 IN BOOK 7279, PAGE 117 AND RECORDED APRIL 15, 1959, IN BOOK 7605, PAGE 97, OFFICIAL RECORDS OF SAID COUNTY, SAID INTERSECTION POINT BEING THE WESTERLY TERMINUS OF THE HEREIN DESCRIBED LINE.

THE SIDELINES OF SAID 100.00 FOOT STRIP OF LAND ARE TO BE PROLONGED OR SHORTENED SO AS TO TERMINATE IN THE WEST WITH THE INTERSECTION OF SAID SOUTHEASTERLY LINE OF SAID SAN DIEGO COUNTY WATER AUTHORITY EASEMENT AND IN THE EAST WITH THE EASTERLY LINE OF SAID LOT 3.

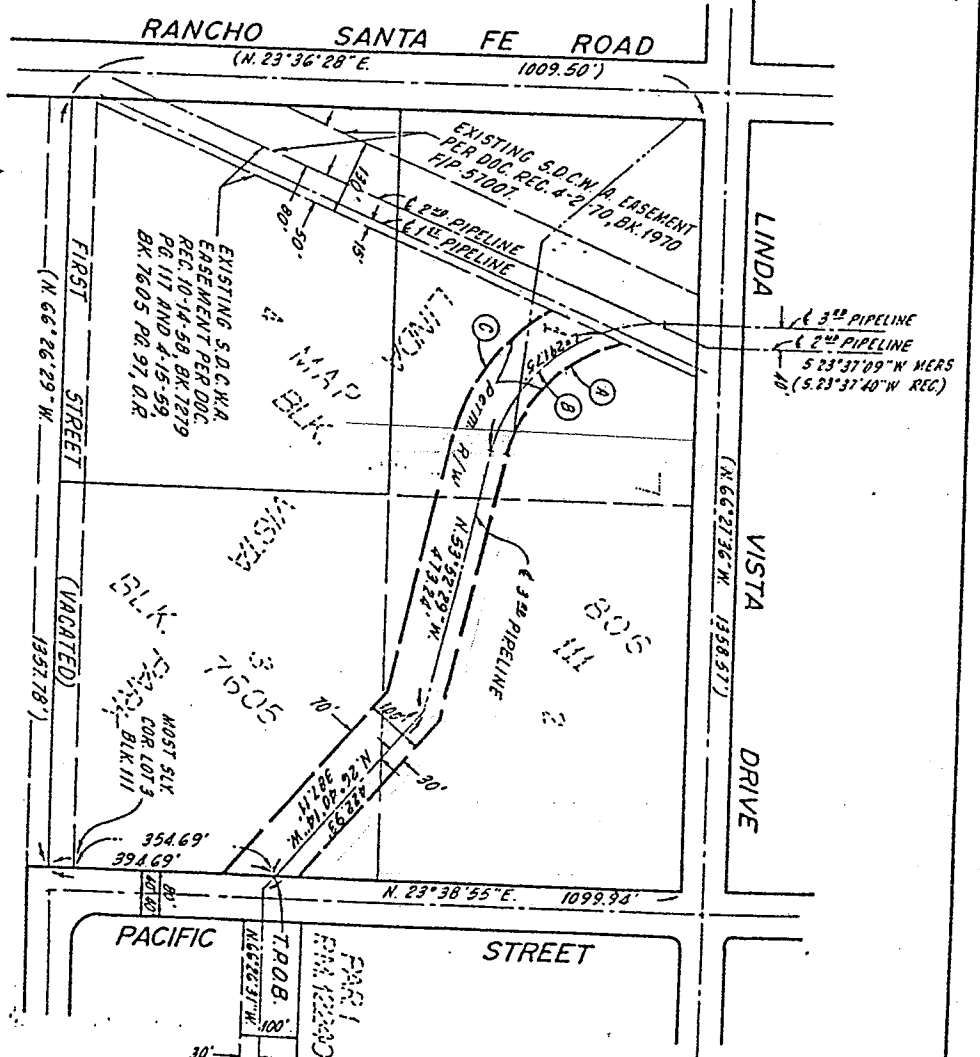
SAID STRIP OF LAND BEING SHOWN AND DELINEATED ON LANDS AND RIGHTS OF WAY MAP SR-215A ATTACHED AND MADE A PART HERETO, CONTAINING 2.66 ACRES, MORE OR LESS.

THE BEARINGS AND DISTANCES DESCRIBED HEREIN ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM ZONE VI. MULTIPLY DISTANCE SHOWN BY 1.0000819 TO OBTAIN GROUND LEVEL DISTANCES.

a: san.marcos



PARCEL NO.	OWNER	ROW ACRES	PERAL TERM
537	CITY OF SAN MARCOS	26.6 AC	



**NOTE:** BEARINGS, DISTANCES, AND COORDINATES ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM ZONE 12. MULTIPLY DISTANCES SHOWN BY 1.0000819 TO OBTAIN GROUND LEVEL DISTANCES.

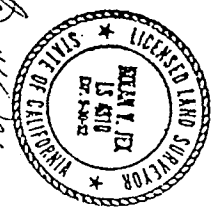
- ① D: 62°42'10"  
R: 270'  
L: 295.49'
- ② D: 55°43'12"  
R: 300'  
L: 291.75'
- ③ D: 45°28'51"  
R: 370'  
L: 293.10'

See SR-216 Sheet 1 of 7

SAN DIEGO COUNTY WATER AUTHORITY  
 SECOND SAN DIEGO AQUEDUCT  
 THIRD PIPELINE  
 LANDS AND RIGHTS OF WAY

Dr. [Signature] Date: June 25, 1980 SR-215A

LUTLIO ENGINEERING  
 Civil Engineers & Land Surveyors  
 San Marcos, CA 92069



This is a true certified copy of the record if it bears the seal, impounded in purple ink, of the Recorder.

DEC 07 1980

[Signature]  
 San Diego County Recorder



Accommodation  
only

**AGREEMENT MODIFYING GRANT OF EASEMENT  
FOR  
PIPELINE 5 EXTENSION, PHASE I - PARCEL 537  
CITY OF SAN MARCOS**

RECORDED IN  
OFFICIAL RECORDS  
OF SAN DIEGO COUNTY, CA  
1990 DEC -7 PM 1:42  
SAN DIEGO  
COUNTY REC.

The San Diego County Water Authority (Grantee) requires a permanent easement for the construction, operation, and maintenance of the Pipeline 5 Extension, Phase I on lands owned by the City of San Marcos (Grantor). The final Grant of Easement ("Easement") is attached and expressly incorporated into the agreement.

The San Diego County Water Authority and City of San Marcos hereby modify the Easement by agreeing to the following additional provisions to the Easement:

1) Grantee will repair or replace all improvements installed prior to the date of this easement acquisition, which are removed or damaged during the construction of the Pipeline 5 Extension, Phase I project. The improvements will be repaired or replaced to the condition existing immediately prior to construction.

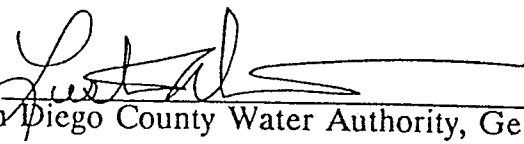
NO FEE

2) Grantor reserves the right to construct fences, gates, post, chains, playground equipment and other improvements, other than permanent structures and light standards, deemed necessary by Grantor for use of the Easement Area in conjunction with the servient tenement as a public park, without having to acquire an encroachment permit, provided that the proposed construction does not interfere with the rights and uses granted in the easement to San Diego County Water Authority. As a condition however, Grantor shall provide Grantee 30 days advance written notice of any proposed action to construct improvements, as set forth herein, in said easement and shall provide construction plans and specifications for the Grantee's review and approval. Said approval shall be based on SDCWA's ability to maintain, repair, and inspect the pipeline, ingress and egress for vehicular access, and safety to the pipeline, and shall not be unreasonably withheld in the event none of the foregoing are adversely affected by Grantor's proposed action.

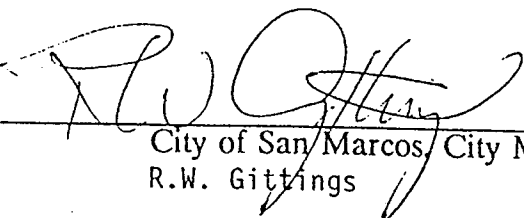
3) Grantee may remove any improvements or objects placed on the Easement Area by Grantor after the effective date of this easement and the cost of removal and of restoring the Easement Area to its prior condition shall be at the sole cost of the Grantor.

In witness whereof, the parties have executed this agreement, this 14 day of November 1990.

(Attach Acknowledgement)

By:   
San Diego County Water Authority, General Manager

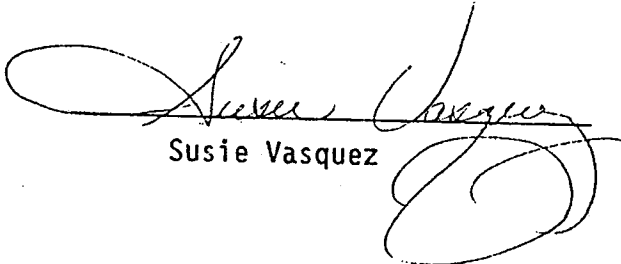
(Attach Acknowledgement)

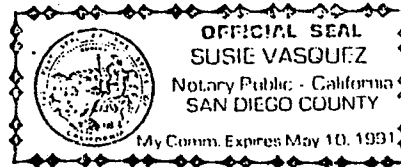
By:   
City of San Marcos, City Manager  
R.W. Gittings



STATE OF CALIFORNIA)  
COUNTY OF SAN DIEGO) ss.

On this 4th day of December, 1990, before me, Susie Vasquez, Notary Public, personally appeared R. W. GITTINGS, personally known to me to be the person who executed this instrument as CITY MANAGER of the CITY OF SAN MARCOS and acknowledged to me that the CITY OF SAN MARCOS executed it.

  
Susie Vasquez

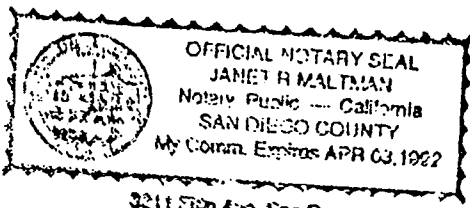


**FOUNDER'S TITLE COMPANY**  
has requested that this document  
be recorded as an **ACCOMMODATION ONLY**  
It has not been examined for regularity,  
sufficiency, or effect on the title to  
the property herein described.

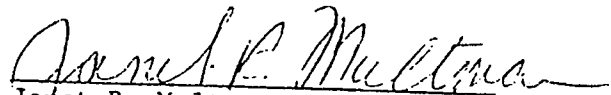
STATE OF CALIFORNIA)  
COUNTY OF SAN DIEGO) <sup>ss</sup>

On this day, December 5, 1990, before me, Janet R. Maltman a Notary Public, personally appeared Lester A. Snow personally known to me to be the person who executed this Instrument as General Manager of the San Diego County Water Authority and acknowledged to me that the San Diego County Water Authority executed it.

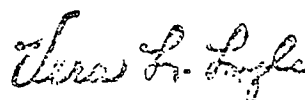
WITNESS my hand and official seal.

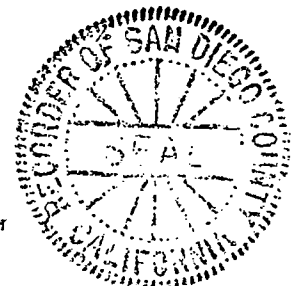


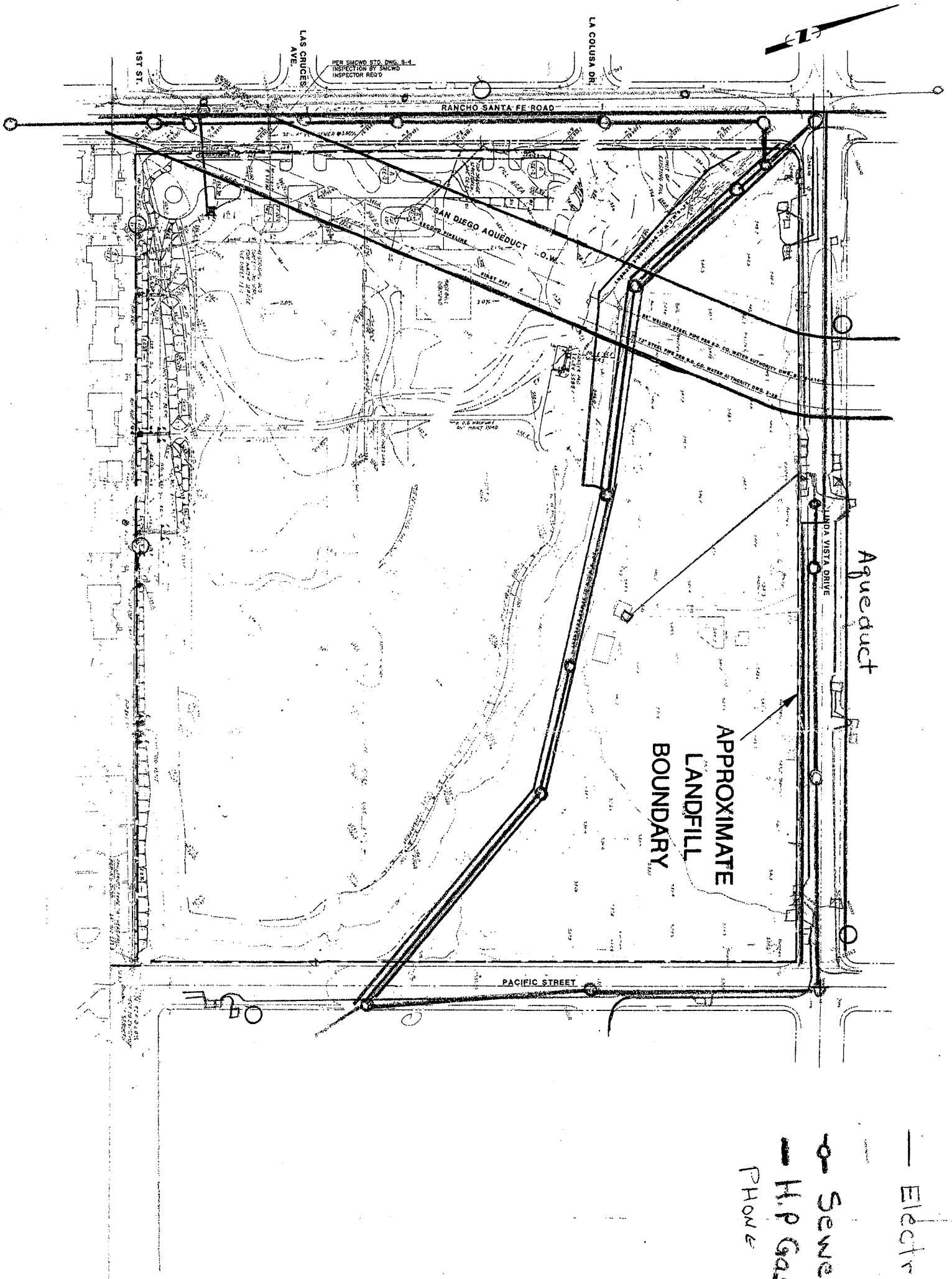
3211 Fish Ave, San Diego CA 92103

  
Janet R. Maltman  
Notary Public

This is a true certified copy of the record  
if it bears the seal, unprinted in purple ink,  
of the Recorder. DEC 07 1990

  
Recorder  
San Diego County, California





Layer B → Cable TV (yellow)  
 Layer C BD → H.P. Gas (RED)  
 Layer CL → Sewer (GREEN)  
 Layer D - Electrical (Blue)  
 Layer - Phone (Cyan)

SCALE  
 0 200 400 FEET

- - - - - Electrical  
 - - - - - Sewer  
 - - - - - H.P. Gas  
 - - - - - Phone

**LEGEND:**  
 SM-1 GROUND-WATER MONITORING WELL LOCATION  
 - - - - - APPROXIMATE LIMIT OF FILL  
 A A CROSS-SECTION LOCATION

**REFERENCE:**  
 CITY OF SAN MARCOS, DEPARTMENT OF ENGINEERING, GRADING PLAN FOR BRADLEY PARK, DRAWING NO. 2275, FEBRUARY 21, 1989

FIGURE 2  
 EXTENT OF FILL MATERIAL AND CROSS-SECTION LOCATION MAP  
 SAN MARCOS LANDFILL (OLD)  
 PREPARED FOR

COUNTY OF SAN DIEGO  
 DEPARTMENT OF PUBLIC WORKS  
 SAN DIEGO, CALIFORNIA



## **EXHIBIT F**



*Michelle Stress*  
338-2209

# County of San Diego

J. WILLIAM COX, M.D., Ph.D.  
DIRECTOR  
STEVEN A. ESCOBOZA  
ASSISTANT DIRECTOR

DEPARTMENT OF HEALTH SERVICES  
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR  
P.O. BOX 85261  
SAN DIEGO, CA 92186-5261  
(619) 338-2211  
Fax #: 338-2174

HAZARDOUS MATERIALS MANAGEMENT DIVISION  
P. O. BOX 85261  
SAN DIEGO, CA 92186-5261  
(619) 338-2222

October 11, 1991

Mr. Gary Stine  
San Diego County Water Authority  
Escondido Operations Center  
610 West Fifth Street  
Escondido, California 92025

Dear Mr. Stine:

**SUBJECT: OLD SAN MARCOS LANDFILL**

On May 17, 1991, the Hazardous Materials Management Division, as the Local Enforcement Agency (LEA), inspected an area of the Old San Marcos Landfill located at the southeastern corner of Linda Vista Drive and Rancho Santa Fe Road. Currently the site is being utilized as Bradley Park. During this inspection it was observed that six trench wells were excavated along the approximate centerline between easements defined by the San Diego County Water Authority and were driven approximately 20 feet into the landfill. The water lines from the trenches led to a large steel casing that led to a stormwater drain at the corner of Pacific Street. On May 29, 1991, LEA staff and members of the California Integrated Waste Management Board inspected the landfill and observed active pumping with a flow of 15-20 gallons per minute at the discharge point, evidence of ponding on the top deck of the landfill and large amounts of exposed refuse where work was being conducted by Kiewit Construction.

Currently construction work for the project has ceased at this site pending an evaluation of environmental concerns and site safety. The LEA has requested a Plan of Operation that addresses procedures which will minimize any adverse impact to the environment and will ensure public health and safety during the trenching activity.

Please use the attached community health and safety plan document as a guideline to address public health and safety concerns. This Department understands that testing will be performed to evaluate the volume and waste characteristics of the trash to be excavated. It is recommended that gas samples at the groundwater-air interface

Gary Stine

2

October 11, 1991

be analyzed for trace volatile organic compounds during the testing process.

Please submit a draft of the plan and results of all testing performed to this office and to Mr. Gregory Jacob, Manager, Advanced Technology and Assessment Division of the California Integrated Waste Management Board as soon as it is available. It is recommended that a draft also be submitted to the local Regional Water Quality Control Board and to the Air Pollution Control District. If you have any questions, please call me at (619) 338-2209.

Sincerely,

*Michele M. Stress*

MICHELE M. STRESS, Hazardous Materials Specialist  
Hazardous Materials Management Division

MS:cl

cc: David Byrnes - Air Pollution Control District  
Robert Morris - Regional Water Quality Control Board  
Gregory Jacob - Integrated Waste Management Board  
Bill Norton - Integrated Waste Management Board  
John Melbourne - Environmental Health Services  
Mark Byrant - Moore and Taber  
Paul Malone - City of San Marcos  
Eric Swanson - Department of Public Works

10/11/91

CSM 003563

## **EXHIBIT G**



# County of San Diego

J. WILLIAM COX, M.D., Ph.D.  
DIRECTOR  
STEVEN A. ESCOBOZA  
ASSISTANT DIRECTOR

DEPARTMENT OF HEALTH SERVICES  
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR  
P.O. BOX 85261  
SAN DIEGO, CA 92186-5261  
(619) 338-2211  
Fax #: 338-2176

HAZARDOUS MATERIALS MANAGEMENT DIVISION  
P. O. BOX 85261  
SAN DIEGO, CA 92186-5261  
(619) 338-2222

March 18, 1992

Mr. Gary Stine  
San Diego County Water Authority  
Escondido Operations Center  
610 West Fifth Street  
Escondido, CA 92025

Dear Mr. Stine:

RE: DEWATERING WELLS, EXPLORATORY BORINGS AND EXCAVATION  
OLD SAN MARCOS LANDFILL  
PACIFIC ST & LINDA VISTA DR, SAN MARCOS, CA

The recent report submitted by Moore and Taber dated January 23, 1992 and titled "Second San Diego Aqueduct Pipeline 5 Extension, Phase I (PSEI) Dewatering Wells, Borings, Excavation, Bradley Park, San Marcos, California" has been received and reviewed.

The contents of this report outline remediation of the site, including recommendations for destruction of the dewatering wells and borings, and well permit applications for the five exploratory borings (Borings 1 through 5).

The Old San Marcos Landfill is listed as an inactive site per Title 14 California Code of Regulations criteria, not as an abandoned landfill as described in the report. The owner of the property is the City of San Marcos and this Department recommends that all proposed remediation work is also approved by the city. Upon review of the restoration plan for the site, we understand that air monitoring activities to protect public health and safety will be performed during the repair activity. Under these conditions, this Department concurs with the landfill restoration plan and request that we be notified when work begins.

With regard to the trench wells, we recommend that they be excavated and filled with concrete or an approved material under requirements of DWR Bulletin 74-81 and 74-90 rather than the method recommended in the report. It is reiterated that if these wells are improperly destroyed and cause a future problem in terms of water quality beneath this site, it will be the responsibility of

Mr. Gary Stine

2

March 18, 1992

the County Water Authority and the property owner to perform all necessary cleanup.

In addition, Borings 1 through 5 must be relocated and properly abandoned according to the above reference standards unless you can demonstrate that the destruction method performed by Kiewit Pacific Company will not cause a future problem in terms of water quality beneath the site.

It is recommended that you receive approval from the Regional Water Quality Control and the Air Pollution Control District prior to any work commencing at the site. Should you have any questions relating to the wells or borings, please call Kevin Heaton, Hydrogeologist, at (619) 338-2221. For any other inquiries, please call me at (619) 338-2209.

Sincerely,

*Michele M. Stress*

MICHELE M. STRESS, Hazardous Materials Specialist  
Hazardous Materials Management Division

MMS:cl

cc: David Byrnes, Air Pollution Control District  
Robert Morris, Regional Water Quality Control District  
Gregory Jacob, Integrated Waste Management Board  
Paul Willman, Integrated Waste Management Board  
Eric Swanson, Department of Public Works  
Paul Malone, City of San Marcos  
Mark Bryant, Moore and Taber

WPAIPES

CSM 003479



**MOORE & TABER** GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS  
16761 WEST BERNARDO DRIVE • SAN DIEGO, CALIFORNIA 92127  
TELEPHONE (619) 487-2115 • FAX: (619) 487-2357

ADDITIONAL OFFICES  
ANAHEIM  
BAKERSFIELD  
VENTURA COUNTY

**SDCWA**

**APR 14 1992**

**RECEIVED**

**April 10, 1992**

**Job No. 691-801**

San Diego County Water Authority  
Operations Center  
610 W. 5th Avenue  
Escondido, California 92025

Attention: Mr. Paul Johnson

**SUBJECT: SECOND SAN DIEGO AQUEDUCT  
PIPELINE 5 EXTENSION, PHASE I (P5EI)  
DEWATERING WELLS, BORINGS, EXCAVATION  
BRADLEY PARK, SAN MARCOS, CALIFORNIA**

### **1.0 INTRODUCTION**

In accordance with your request and our proposal dated December 4, 1991, Moore & Taber (M&T) is providing the following information, in response to the letters dated November 26, 1991 and March 18, 1992 from the County of San Diego, Hazardous Materials Management Division (HMMD).

- ▶ Site map showing Kiewit Pacific Company's (KPC's) dewatering well and boring locations based on available information;
- ▶ Copies of KPC's boring logs, provided by the San Diego County Water Authority (SDCWA);
- ▶ Descriptions of how KPC's borings were backfilled/destroyed, based on information provided by Dave Imper of KPC;
- ▶ "Well Permit" application for KPC's borings that meet the County of San Diego's requirements;

 **AGRA**  
Earth & Environmental Group

**San Diego County Water Authority**  
**Attn: Mr. Paul Johnson**

**Page 2**

- ▶ **A detailed plan regarding restoration of the affected area as specified in the HMMD's November 26, 1991 letter and subsequent correspondence (review comments), including:**
  - a. **Proposed destruction of dewatering wells.**
  - b. **Final slope inclination of disturbed area.**
  - c. **Control measures that will minimize erosion.**
- ▶ **A description of the nature of visible excavated refuse (waste), and recommendations relative to its ultimate disposition and disposal procedures; and,**
- ▶ **This written report, including requested documentation, illustrations, and (revised) recommendations.**

**Job No. 691-801 - April 10, 1992**

**CSM 003497**

## 2.0 SITE CONDITIONS

### 2.1 LANDFILL

Based on available records, the Old San Marcos Landfill (San Marcos I Landfill) is located between Rancho Santa Fe Road to the west and Pacific Street to the east. The landfill is bounded on the north by an easterly draining intermittent (unnamed) stream channel and to the south by residential housing just north of Rue de Valle. According to regional topographic maps dated 1948, the original topography ranged from elevation 550 feet adjacent to Rancho Santa Fe Road to elevation 520 feet adjacent to what is now Pacific Street. The Old San Marcos Landfill is a 20- to 25-foot high artificial plateau located south of the easterly draining unnamed channel. The inactive landfill is now occupied by Bradley Park, including several baseball diamonds and appurtenant structures.

The area of the previously planned Pipeline 5 Alignment which is affected by the landfill is located just south of the intermittent stream channel. The landfill plateau slopes down to the north, toward the intermittent channel, at a gradient of approximately 4:1 (horizontal to vertical). Disturbance as a result of construction activities occurred on the south side of the intermittent stream. Landfill slope heights in this area ranged from about 15 feet above the channel on the western side of the Pipeline 5 Easement to about 25 feet high adjacent to Pacific Street. Disturbance of the landfill included: 1) construction of an access road at about mid-height of the descending slope; and 2) installation of seven dewatering wells north of the access road and south of the intermittent stream. Five exploratory borings were also drilled north of the stream and away from the disturbed area.

### 2.2 ACCESS ROAD

Prior to construction of the dewatering wells, an access road between 12 and 15 feet wide was constructed on the north-facing slope of the old landfill. This resulted in a cut ranging in height from 1 to 4 feet with inclinations of 2:1 to 1.5:1 (horizontal to vertical) above the road and a fill with similar heights and inclinations below the road. As a result of grading for the access road, very limited quantities of previously buried refuse were exposed at the ground surface. Access road grading appears to have involved primarily the soil cover for the landfill. One area of refuse with an estimated volume of less than 100 cubic yards was observed at the location shown on Plate I. In this area, in situ refuse is exposed at the toe of the cut slope with the displaced refuse located on the opposite side of the access road.

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The refuse included water heaters, metal debris, household debris, rubber tires, newspaper, glass, plastic pipe and asphaltic tile. Additional refuse exposed along the access road is limited to isolated rubber tires, water heaters and minor debris. In addition to the grading for the access road, a 2-foot-wide trench 2 to 4 feet deep was excavated at the top of the landfill to carry off discharges from the dewatering wells. No refuse was observed in this trench.

### 2.3 BORINGS AND DEWATERING WELLS

Based on available information provided by the SDCWA and KPC, the exploratory borings and dewatering well locations are plotted on a generalized site plan (Plate I, attached). Location of these excavations relative to the originally planned Pipeline 5 Extension, Phase I (P5EI) alignment stationing is given below:

DESIGNATION	STATION
Boring 1 (B-1)	2928+55, on centerline
Boring 2 (B-2)	2929+00, approx. 4 feet west of centerline
Boring 3 (B-3)	2929+50, approx. 3 feet east of centerline
Boring 4 (B-4)	2930+10, approx. 8 feet east of centerline
Boring 5 (B-5)	2931+23, approx. 1 foot west of centerline
Dewatering Well 1 (DW-1)	2931+59.3, 51.9 feet west of centerline
Dewatering Well 2 (DW-2)	2931+69.1, 65.5 feet west of centerline
Dewatering Well 3 (DW-3)	2933+98.9, 1.3 feet south of centerline
Dewatering Well 4 (DW-4)	2936+00.5, 5.5 feet north of centerline
Dewatering Well 5 (DW-5)	2937+84.2, 6.6 feet south of centerline
Dewatering Well 6 (DW-6)	2939+56.9, 20.7 feet south of centerline
Dewatering Well 7 (DW-7)	2940+77.6, 21.6 feet south of centerline

KPC's boring logs are very limited and are provided in the Appendix, Page A-1. Refuse was only encountered in one boring, Boring 2 (B-2), at a depth of five feet. Drilling was stopped as soon as the refuse was encountered and the hole backfilled. According to Mr. Dave Imper of KPC, groundwater was encountered in all the borings except B-2. However, no specific record of groundwater depths is available. Mr. Imper reported that the depth to

Job No. 691-801 - April 10, 1992

groundwater ranged from 20 to 25 feet and was apparently shallower in the borings excavated closer to the unnamed channel. No information is available relative to the consistency of the material excavated, the moisture contents, or presence or absence of odors/vapors. No monitoring devices were installed in the borings. The borings were backfilled with the drill cuttings shortly after drilling was completed. Excess soil appeared to have been removed from the site.

Dewatering wells were excavated by KPC with a 20- to 24-inch wide bucket on a track-mounted backhoe at the locations shown on Plate I. Depths of the dewatering wells varied depending on the severity of the caving conditions. Dewatering wells were excavated until excess caving prevented further progress downward. No trench logs of any sort were prepared by KPC. Depths of these wells generally varies between 12 and 20 feet. Caving conditions resulted in a width of seven to eight feet at the top of the excavation. According to Mr. Imper, caving was generally caused by water in the trench. Water appeared to be perched within the trash. No refuse was reportedly encountered in Dewatering Wells 1 and 2 (DW-1 and DW-2). Generally refuse was encountered at depths ranging from 2 to 6 feet. Refuse excavated from the dewatering wells was immediately transported to an active landfill.

No refuse was observed at the original ground surface. Soil materials underlying the refuse appeared to have lower water contents than the refuse. Mr. Imper was unable to determine if the underlying soil was fill or native material. However, caving was not as severe in the underlying soil as in the refuse sections.

Job No. 691-801 - April 10, 1992

### 3.0 RESTORATION

#### 3.1 LANDFILL

In order to minimize further disturbance of the landfill site, restoration should consist of nondestructive methods of rehabilitation. Since the disturbed refuse is relatively small in volume, has not been transported significant distances and appears to consist of typical household trash, we propose replacing the refuse in the exposed cut area and covering the access and disturbed area with soil materials similar to existing cover materials. Grading would be limited to replacing the refuse, backfilling the trench and compacting disturbed material prior to covering with additional soils. Import soils can be obtained from the excavation for Pipeline 5 Extension, Phase I, in the City of San Marcos. This project is currently being constructed by KPC. Generally, soils are sandy to clayey silts and silty clays. The restored landfill would have a 4:1 final slope. The amount of soil materials required to cover the disturbed section and access road is estimated to be less than 1,500 cubic yards.

#### 3.2 GENERAL GRADING SPECIFICATIONS

All site grading operations should conform with applicable local building and safety codes and to the rules and regulations of those regulatory agencies having jurisdiction over such construction. This includes performing the field activities in accordance with applicable portions of the HVMC Community Health and Safety Plan requirements (e.g. monitoring air quality in the work area).

The earthwork contractor shall be responsible to notify appropriate agencies, as required, and the Geotechnical Engineer at the start of site clean-up, the initiation of grading, and any time that grading operations are resumed after an interruption. Each step of the grading should be approved in a specific area by the Geotechnical Engineer and, where required, by the applicable regulatory agencies before proceeding with subsequent work.

The following general site grading specifications should be regarded as minimal. Additional site grading recommendations which apply to specific segments of the proposed construction are presumed elsewhere.

**3.2.1** - Prior to the start of grading, subsurface structures should be destroyed and abandoned in compliance with specifications presented in Section 3.3, "Recommendations for Destroying Wells".

**3.2.2** - Imported fill should consist of approved earth materials free of trash or debris, roots, vegetation or other deleterious material. All fill should be spread in 6- to 8-inch lifts, brought to above optimum moisture and compacted to at least 90 percent of maximum density in accordance with ASTM Method D 1557-78.

**3.2.3** - Benching at the toe of the access road fill will be required to provide a firm base for cover materials. Special attention will be required to avoid exposing additional refuse. Attention should also be given to compaction along the top and outer edge of the fill slope as the fill is constructed. Additional rolling and trimming may be required at the completion of the slope construction to provide a dense, uniform surface.

**3.2.4** - Excavated on-site inorganic soils free of refuse and debris are considered satisfactory for placement as compacted fill. Laboratory tests may be required for approval of imported soil.

**3.2.5** - Observation and field tests shall be performed during grading by the Geotechnical Engineer to assist the contractor in obtaining the proper moisture content and specified compaction. Where less than the required dry density is indicated by tests or observation, additional compactive effort and any necessary adjustments in moisture content shall be made to obtain the specified compaction.

**3.2.6** - Wherever, in the opinion of the Geotechnical Engineer, an unsatisfactory condition is being created, whether by cutting or filling, the work shall not proceed in that area until the condition has been corrected.

**3.2.7** - Because of the gradient, height, and type of materials expected in typical fill slopes, continued and close attention to slope maintenance to prevent surface erosion will be required. Planting of a ground cover and deep-rooting, drought-tolerant, vegetation shall be performed after completion of grading.

**3.2.8** - In order to minimize dust during grading, soil and refuse materials shall be wetted prior to grading and regularly during grading operations.

Job No. 691-801 - April 10, 1992

### **3.3 RECOMMENDATIONS FOR DESTROYING WELLS**

Due to requirements imposed by the HMMD, the seven temporary dewatering wells shall be destroyed (abandoned) by excavating the well materials and backfilling with concrete or an approved material (i.e., bentonite grout) in accordance with Department of Water Resources (DWR) Bulletin 74-81, Section 23, and DWR Bulletin 74-90, Part III - Well Destruction. In particular, DWR Bulletin 74-90 states that "In all cases the upper 20 feet shall be sealed with impervious material and the remainder of the well shall be filled with suitable fill or sealing material."

### **3.4 BOREHOLE BACKFILLING**

The HMMD requires that the previously drilled borings (B-1 through B-5) be relocated and properly abandoned in accordance with the DWR Bulletin 74-81 and 74-90 requirements (e.g., grout seal placed in the upper 20 feet of hole), as described above. The boreholes below depths of 20 feet could either be backfilled with the same grout seal or with clean sand or equivalent native material, in accordance with DWR requirements.



San Diego County Water Authority  
Attn: Mr. Paul Johnson

Page 9

#### 4.0 WELL PERMIT

As requested by the HMMD, a well permit application for the five borings is required. For ease of reference, we have provided a copy of the current HMMD well permitting and application requirements in the Appendix. We have also attached a permit application. M&T has completed most of the information requested. Available information for Borings 1 through 5 has been included on the application (Page A-2). Additional information from your files and/or KPC will be necessary to complete the permits. The completed forms should be submitted to:

Monitoring Well Permit Section  
Hazardous Materials Management Department  
P.O. Box 85261  
San Diego, CA 92186-5261

A fee of \$150 for each boring drilled is required by the Hazardous Materials Management Department.

Job No. 691-801 - April 10, 1992

CSM 003504

### 5.0 CLOSURE

This report is based on currently available information and our understanding of site conditions. Our comments and recommendations reflect our interpretation of the limited direct evidence obtained. Our firm should be notified of any pertinent differences in site conditions from those described in this report. If subsurface conditions are found to differ from those described herein, a re-evaluation of the recommendations in this report may be required.

Our recommendations for this site are, to a high degree, dependent upon proper quality control of fill placement and abandonment activities. Consequently, our recommendations are made contingent upon the opportunity for M&T to observe grading operations and related procedures. If parties other than M&T are engaged to provide such services, they must be notified that they will be required to assume complete responsibility for these phases of the project by concurring with the recommendations in this report or providing alternative recommendations.

Job No. 691-801 - April 10, 1992

San Diego County Water Authority  
Attn: Mr. Paul Johnson

Page 11

This report has not been prepared for use by parties or projects other than those named or described above. It may not contain sufficient information for other parties or other purposes. It has been prepared in accordance with generally accepted geotechnical and environmental practices and makes no other warranties as to the professional advice or data included in it.

**MOORE & TABER**

*Katherine G. Freese*

Katherine G. Freese  
Project Geologist  
Certified Engineering Geologist #1572

*James J. Stone*

James J. Stone  
Supervising Engineer  
Registered Geotechnical Engineer #808

*Mark E. Bryant*

Mark E. Bryant  
Principal Geologist  
Certified Engineering Geologist #1046

MEB/JJS/KGF/jb

Distribution: (3) Client

Job No. 691-801 - April 10, 1992

# CDM

environmental engineers, scientists,  
planners, & management consultants

August 19, 1992  
2206-111-CG-ERP

Mr. Paul Malone  
City of San Marcos  
570 Rancheros  
San Marcos, CA 92069

CAMP DRESSER & MCKEE INC.

1925 Palomar Oaks Way, Suite 300  
Carlsbad, California 92008  
619 438-7765, Fax: 619 438-7411

RE: PLAN FOR RESTORATION OF DEWATERING WELLS, BORINGS AND EXCAVATIONS  
AT BRADLEY PARK, AND THE COMMUNITY HEALTH AND SAFETY PLAN

Dear Mr. Malone:

The San Diego County Water Authority has engaged CDM to perform the restoration procedures outlined in the enclosed Moore and Tabor (M&T) report dated April 10, 1992.

The County of San Diego, Hazardous Materials Management Division (HMMD), has accepted the M&T procedure as satisfactory to complete the restoration. Please find enclosed also, the Community Health and Safety Plan CDM has produced for activities at the landfill.

I have discussed the work and the documents with Michele Stress, HMMD, and Dave Byrnes of the APCD.

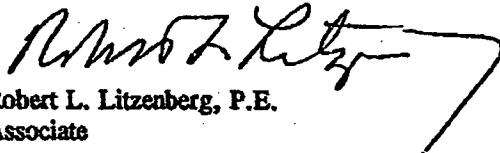
Michele found the documents satisfactory and pointed out that the City of San Marcos, as the Owner of the landfill, should be included on the distribution list for anything that involved the work at Bradley Park.

Dave Byrnes discussed the restoration and the probability of disturbing the landfill surface. APCD regulations include public nuisances and mitigation measures to protect the public and workers during the conduct of activities such as those involved in the restoration. He is evaluating the work phases and will advise us as to what will be required.

Please review the documents and provide any corrections or comments as you feel appropriate. Please call me if you have any questions.

Very truly yours,

CAMP DRESSER & MCKEE INC.



Robert L. Litzenberg, P.E.  
Associate

cc: Paul Johnson, SDCWA  
Michele Stress, HMMD  
David Byrnes, APCD

RL.L.jac:SDCWA\MISC\LTR506114.dgn.br

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CSM 003495



# County of San Diego

J. WILLIAM COX, M.D., Ph.D.  
DIRECTOR

DEPARTMENT OF HEALTH SERVICES  
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR  
P.O. BOX 85261  
SAN DIEGO, CA 92186-5261  
(619) 338-2222 Fax: 338-2174

ENVIRONMENTAL HEALTH SERVICES  
HAZARDOUS MATERIALS MANAGEMENT DIVISION  
P.O. BOX 85261  
SAN DIEGO, CA 92186-5261  
(619) 338-2222

August 21, 1992

Mr. Paul Malone  
Deputy City Manager  
City of San Marcos  
105 Richmar  
San Marcos, California 92069

Dear Mr. Malone:

## **Old San Marcos Landfill - Bradley Park**

Environmental Health Services (EHS), Hazardous Materials Management Division (HMMD) regulates Closure/Postclosure requirements for solid waste facilities under the authority of Title 14 of the California Code of Regulations (CCR). We have recently been contacted by Camp Dresser and McKee (CDM), Inc., consultants for the County Water Authority (CWA), regarding the remediation of the dewatering wells, exploratory borings and excavation at the Old San Marcos Landfill site. Please refer to the attached letter from CDM, dated August 13, 1992 referencing the Community Health and Safety Plan for Bradley Park.

Please submit for review, a revised community right-to-know notification statement which includes a contact person for the City of San Marcos as the property owner of the site. Any authorized contact for the city, such as the City Fire Department is acceptable. At a minimum the community right-to-know notification should be distributed to adjacent properties prior to the start of work on the site.

The attached letter refers to the "final closure plan" (work plan) for the site. This plan refers to the remediation work to be performed in the area where the Pipeline 5 Alignment was to be located and which includes a disturbed area of the Old San Marcos Landfill. Disturbance to the landfill included construction of an access road which cut into the slope, and the installation of seven dewatering wells north of the access road and south of the intermittent stream adjacent to the baseball field. In addition, five exploratory borings were drilled north of the stream and away from the disturbed area. In a letter from this Department, dated April 30, 1992, we concurred with the remediation plan originally submitted and revised by Moore and Taber with the understanding that air monitoring activities will be performed to protect public health and safety during the repair operation.

August 21, 1992

CDM submitted a Community Health and Safety Plan to our office attached to the cover letter on August 13, 1992. This cover letter stated that the Plan was sent to County Water Authority (CWA) staff and contractors but did not state that a copy was sent to your office. In a letter from office on March 18, 1992 to CWA, we stated that the City of San Marcos is the property owner for this site and recommended that all proposed remediation work is approved by the city. As property owner of the site, the City is required to ensure that unsafe or nuisance conditions resulting from excessive noise, odors, dust, or other causes are immediately abated and that the work is to cease until abatement is completed.

Please note that this site is listed in our Solid Waste Facility Listing as an inactive site and has not been officially closed per Title 14, CCR, Division 7. The LEA will be in contact with your office in the future as to the compliance requirements under Closure/Postclosure regulations for this site.

Should you have any questions, please call me at (619) 338-2209.

Sincerely,



MICHELE M. STRESS, Hazardous Materials Specialist  
HAZARDOUS MATERIALS SPECIALIST

cc: David Byrnes - Air Pollution Control District  
Robert Morris - Regional Water Quality Control Board  
Gregory Jacob - Integrated Waste Management Board  
Trevor Anderson - Integrated Waste Management Board  
Eric Swanson - Solid Waste Division  
Gary Stine - County Water Authority  
Robert L. Litzenberg - Camp, Dresser and McKee, Inc.

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CSM 003494



Air Pollution Control Board  
Brian P. Bilbray District 1  
George F. Bailey District 2  
Susan Golding District 3  
Leon L. Williams District 4  
John MacDonald District 5

Air Pollution Control Officer  
R. J. Sommerville

August 24, 1992

Mr. Paul Malone  
Deputy City Manager  
City of San Marcos  
105 Richmar  
San Marcos, CA 92069

#### MITIGATION MEASURES - OLD SAN MARCOS LANDFILL

The District received a Community Health & Safety Plan from the consulting firm of Camp Dresser & McKee, Inc. (CDM) on August 14, 1992, regarding proposed landfill excavation, boring, and repair activities for the Old San Marcos Disposal Site (Bradley Park) at Rancho Santa Fe Road and Linda Vista Drive. According to information provided to the District, this site is currently owned by the City of San Marcos. CDM has been contracted by the County Water Authority to execute a work plan prepared by Moore & Taber Consultants. This work plan consists of repair activities necessary to correct the unauthorized excavations, borings and grading performed last year by contractors for the County Water Authority.

In accordance with District Rule 59(d)(9), the landfill owner must obtain written mitigation measures, approved by the District, prior to excavating landfill wastes. The District hereby authorizes the City of San Marcos to perform the necessary excavation, boring, and repair work provided the following mitigation measures are satisfied;

- 1) The City of San Marcos shall provide the District (FAX (619) 694-2730) with a written excavation, boring, & repair schedule at least three (3) working days prior to beginning the project.
- 2) The City of San Marcos shall sufficiently secure the work area to prevent public access and exposure to excavated materials and gases.

9150 Chesapeake Drive • San Diego • California 92123-1096 • (619) 694-3307  
FAX (619) 694-2730 • Smoking Vehicle Hotline 1-800-28-SMOKE

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CSM 003491

City of San Marcos  
Paul Malone

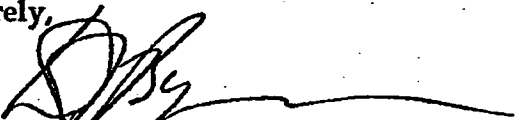
August 24, 1992

-2-

- 3) The City of San Marcos shall immediately cease excavation, boring, & repair activities upon being notified by District Enforcement personnel of public nuisance conditions or complaints resulting from this operation. The City of San Marcos shall submit a revised work plan and obtain written District approval prior to resuming the repair activities.
- 4) The City of San Marcos shall either bury all excavated wastes on site or arrange for the proper transport of these materials to a permitted active disposal facility. All exposed waste shall be cleared from the site at the end of each working day. The surface of the landfill shall be regraded and maintained as necessary to prevent landfill gas emissions which exceed 500 ppmv as methane from any point (Rule 59(d)1).
- 5) Under no circumstances shall the City of San Marcos allow leachate or condensate from the landfill to reach surfaces where odors, toxic air contaminants, or reactive organic compounds may evaporate to the atmosphere (Rule 59(d)8).
- 6) The City of San Marcos shall inspect the surface of this landfill approximately two weeks after completing the repair activities and either verify the absence of landfill gas surface emissions or perform additional repairs as necessary.

Failure to comply with the above conditions is a violation of District Rule 59(d)9 which may be subject to civil penalties. Authorization of these mitigation measures shall expire on January 1, 1993. The City of San Marcos must comply with all other District Rules and Regulations. Please contact me at (619) 694-3320 if you have further questions.

Sincerely,



DAVID BARNES  
Associate Air Pollution Control Engineer

DB:jl

cc: San Diego APCD Enforcement Division  
William Orr, Integrated Waste Management Board  
Tom Pitman, San Diego County Hazardous Materials Management Division  
Cory M. Walsh, Regional Water Quality Control Board  
Paul Johnson, County Water Authority  
Robert Litzenberg, Camp Dresser & McKee, Inc.

CSM 003492



**M&T AGRA, Inc.**

*(formerly Moore & Taber)*  
Geotechnical & Environmental Services

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1993 MAY 14 PM 12: 53

CDM

16760 West Bernardo Drive  
San Diego, CA 92127

619-487 2113

FAX 619-487-2357

May 12, 1993  
Job No. 693-802

Ms. Lori L. Daniel, R.G.  
Camp Dresser & McKee, Inc.  
1925 Palomar Oaks Way, Suite 300  
Carlsbad, California 92008

**SUBJECT: DESTRUCTION OF TEMPORARY DEWATERING WELLS  
AND ACCESS ROAD REGRADING  
BRADLEY PARK, SAN MARCOS, CALIFORNIA**

Dear Ms. Daniel:

Following discussions during the meeting at the San Diego County Water Authority on May 10, 1993, this letter summarizes M&T AGRA's revised recommendations for destruction of the seven temporary dewatering wells that Kiewit Pacific Company (KPC) previously installed in Bradley Park.

As described in the Scope of Work, undated, prepared by the Authority, the currently planned procedure would be to excavate existing well materials and backfill the excavation with a suitable sealing material. This method follows the outline in M&T AGRA's (formerly Moore & Taber) letter to the Hazardous Materials Management Division, County of San Diego, dated April 10, 1992.

During the May 10, 1993 meeting, Dave Imper of KPC noted that the dewatering wells had been excavated with heavy-duty excavation equipment (Caterpillar 245 excavator) and were on the order of 20 feet deep and 20 feet square in plan dimensions. Following placement of perforated pipe, the excavations were backfilled with 3/8" crushed rock obtained from a local aggregate supplier.

 **AGRA**  
Earth & Environmental Group

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Ms. Lori L. Daniel, R.G.  
Camp Dresser & McKee, Inc.

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Removal of all dewatering well materials would require excavation of substantial volumes of gravel from below the groundwater level. The gravel would then have to be transported over public roads to a suitable landfill for disposal. Because the gravel would be saturated, there is a strong potential that groundwater could be spilled on the ground surface as the trucks are being loaded, and that water could leak from the trucks onto city streets.

The potential for groundwater spillage could be eliminated by leaving the crushed rock in place and filling the voids with pressure-injected grout to the full depth of the well. An appropriate grout mix developed in accordance with State of California Water Well Standards Bulletin 74-81 Section 9 could be used as the sealing material. The specific grouting program can be designed to inject grout at appropriate spacing and with sufficient pressure to assure that the well is filled and that there is no jamming or "bridging" of the sealing material.

Grouting would be performed both inside and outside the well casing. Since the well casing is perforated, it is anticipated that grout will flow through the perforations and that a continuous grout curtain can be obtained. By observing and measuring grout take (the amount of grout pumped in at each location), the volume of sealing material placed in the well installation could be determined and verified for conformance with sealing material volume requirements based on the estimated size and depth of each well.

To provide a relatively impervious surface soil layer, a hole could be excavated around the well casing to a depth of 5 feet below planned final grade and the well casing removed. The sealing material used for the upper portion of the well can be allowed to spill over into the excavation to form a cap. After the well has been properly filled, including sufficient time for the sealing material in the excavation to set, the excavation can be backfilled with stockpiled, relatively impervious fine-grained soil.

Material excavated from the upper portions of the dewatering wells, including any gravel that might be encountered, can be used as fill for reconstruction of the access road. In addition, material removed from the former observation borings during redrilling can also be used as fill along the access road. Soils and gravel obtained from dewatering wells and observation borings placed along the access road will be compacted to at least 90% relative compaction.

Job No. 693-802 - May 12, 1993

 **AGRA**  
Earth & Environmental Group

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Ms. Lori L. Daniel, R.G.  
Camp Dresser & McKee, Inc.

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A minimum of three feet of relatively impervious fine-grained soil would be placed and compacted along the access road as a cover above the soils and gravel obtained from on-site excavations and redrilling. Soils expected to be suitable for use as a cover are currently stockpiled in the near vicinity outside the work area. Samples have been obtained from the stockpile and laboratory tests are currently in progress to evaluate the classification and permeability of the stockpiled soil.

If you need additional details, please let me know.

Yours truly,  
M&T AGRA, Inc.

  
James J. Stone  
Geotechnical Engineer No. 808

JJS/js

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cc: San Diego County Water Authority  
Attention: Zachary Ahinga

Job No. 693-802 - May 12, 1993

 **AGRA**  
Earth & Environmental Group

CSM 003489



# County of San Diego

J. WILLIAM COX, M.D., Ph.D.  
DIRECTOR

DEPARTMENT OF HEALTH SERVICES  
ENVIRONMENTAL HEALTH SERVICES

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ENVIRONMENTAL HEALTH SERVICES  
LOCAL ENFORCEMENT AGENCY  
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May 25, 1993

Paul Malone  
Deputy City Manager  
City of San Marcos  
105 Richmar  
San Marcos, California 92069

OLD SAN MARCOS LANDFILL, BRADLEY PARK, SAN MARCOS, CA

Dear Mr. Malone:

The recent amendment submitted by Camp Dresser & McKee, Inc. dated May 12, 1993, and titled "Destruction of Temporary Dewatering Wells and Access Road Regrading Bradley Park, San Marcos, California" has been received. This amendment was developed by M&T Agra, Inc. and is attached for your review.

The contents of this report outlines revised recommendations for destruction of the seven temporary wells that Kiewit Pacific Company (KPC) previously installed in Bradley Park. These recommendations include leaving the crushed rock that KPC used for the construction of these wells in place and filling the voids with pressure-injected grout to the full depth of the wells. In addition, we understand that the material excavated from the upper portions of the dewatering wells, including any gravel that might be encountered, will be used as fill for reconstruction of the access road.

Provided that M&T Agra, Inc. certifies the destruction process, this Department as the Local Enforcement Agency (LEA), concurs with this part of the landfill restoration plan.

With regards to the exploratory borings 1 through 5, we understand that several of these borings have been difficult to relocate and thus properly abandon. The LEA would like to reiterate that if these borings have been improperly destroyed and cause future problems in terms of water quality beneath the site, it will be the

Paul Malone

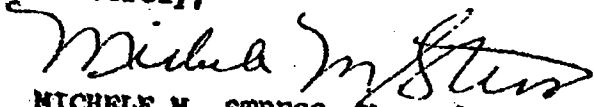
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May 25, 1993

responsibility of the County Water Authority and the City of San Marcos to perform all necessary cleanup of contamination associated with these borings.

Approval for this amended work plan should be obtained from the Regional Water Quality Control Board and the Air Pollution Control District. Should you have any questions, please call Kevin Heaton, Hydrogeologist, at (619) 338-2211 or me at (619) 338-2209.

Sincerely,



NICHELE M. STRESS, Hazardous Materials Specialist  
Local Enforcement Agency

MS:cac

Attachment

cc: Mark Alpert, RWQCB  
David Byrnes, APCD  
John Clinkenbeard, CIWMB  
Lori Daniel, Camp Dresser & McKee, Inc.  
Paul O'Shea, Division of Solid Waste  
Gary Stine, County Water Authority  
Paul Willman, CIWMB

CSM 003486