

July 16, 1996

Ms. Madhulla Logan  
Alameda County Health Agency  
1131 Harbor Bay Parkway  
Alameda, California 94501

RE: 1362 AND 1384 RUUS LANE (WARMINGTON HOMES)  
HAYWARD, CALIFORNIA

Dear Ms. Logan:

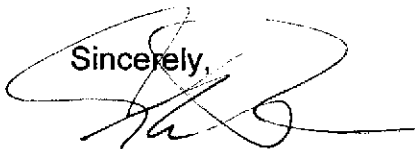
PSI submitted a Remedial Excavation Report (Excavation Report) for the above referenced site on July 3, 1996. The report detailed the excavation and stockpiling of petroleum hydrocarbon impacted soil. This letter is an addendum to the Excavation Report and addresses the transport and disposal of the stockpiled soil.

On June 11, 1996, PSI personnel sampled the soil stockpile. As approximately 700 cubic yards of soil was excavated, PSI grided the stockpile into seven cells and collected four soil samples from each of the seven grided cells. The four soil samples collected from each cell were composited into one soil sample. The soil samples were sealed according to standard protocol and shipped to GEOTEST, a California Certified Laboratory for analyses according to Standard Method 5520E for Total Oil and Grease (TOG). The results of the chemical analyses is presented in Table 1 and Attachment A. All of the soil samples had detectable concentrations of TOG, however none of the soil samples had concentrations greater than 120 milligrams per kilogram (mg/kg).

On July 9, 1996, sixty-eight loads of soil was transported by Robertson Trucking of Fremont, California to a Caltrans construction site at Alavarado-Niles Boulevard in Union City, California. The soil was accepted by O.C. Jones, Caltrans Contractor, to be utilized for roadbase in the building of an onramp.

If you have any questions regarding this letter or any aspect of the project, please do not hesitate to call.

Sincerely,

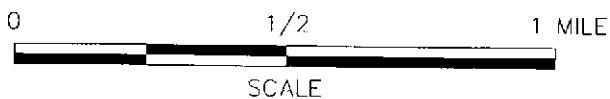
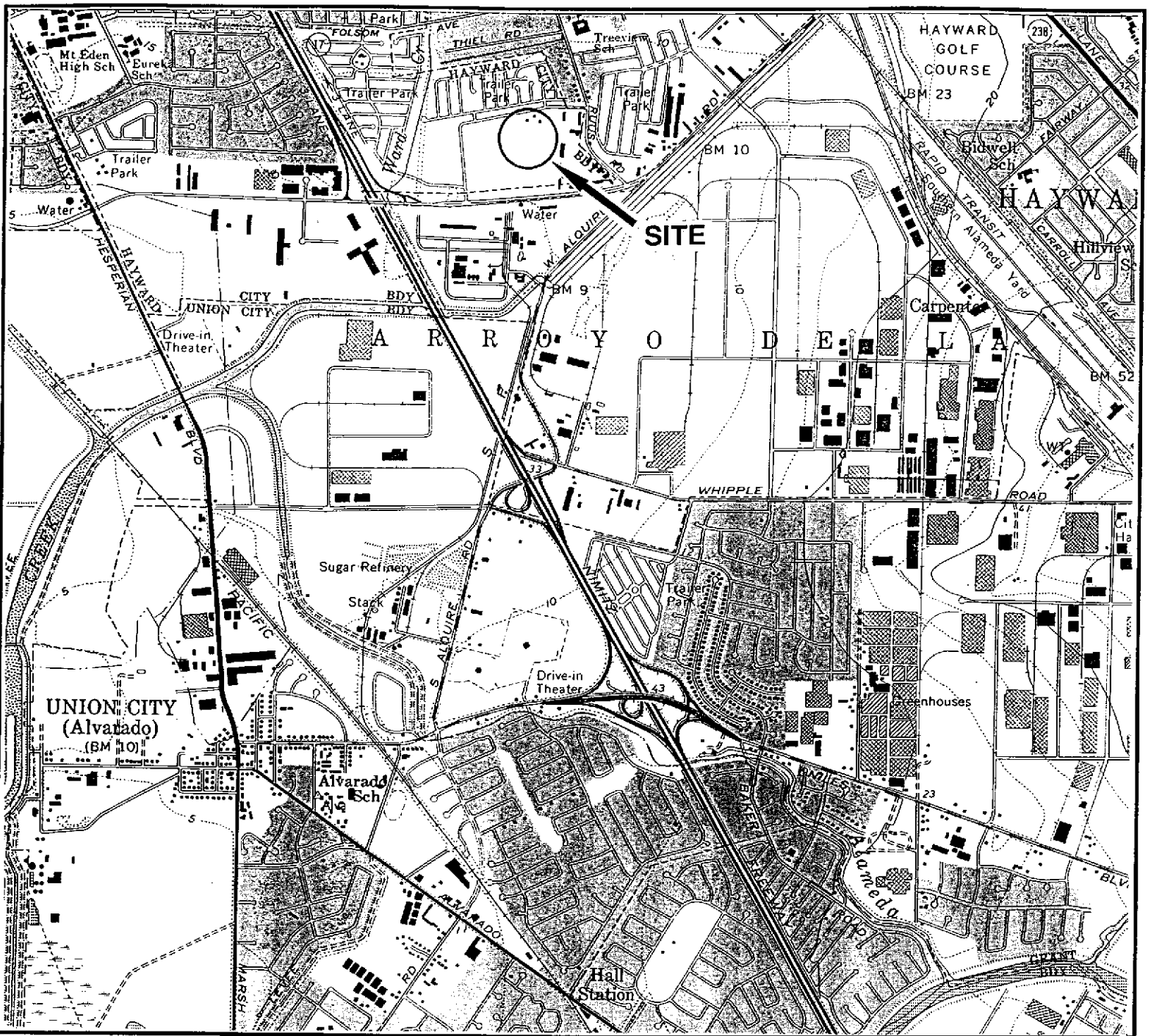


Frank R. Poss  
Associate Hydrogeologist

cc: Mr. Hugh Murphy, City of Hayward  
Mr. Steve Millar, Warmington Homes  
Mr. Michael Cassidy, United Savings Bank

*Information To Build On*

ENVIRONMENTAL  
PROTECTION  
96 JUL 23 AM 8:52



REFERENCE:  
 U.S.G.S. NEWARK, CALIFORNIA TOPOGRAPHIC MAP, 1959  
 PHOTOREVISED, 1980



GeoResearch Division

SITE LOCATION  
 REMEDIAL EXCAVATION  
 1362 & 1384 RUUS LANE  
 HAYWARD, CALIFORNIA  
 PROJECT NUMBER: 575-51059

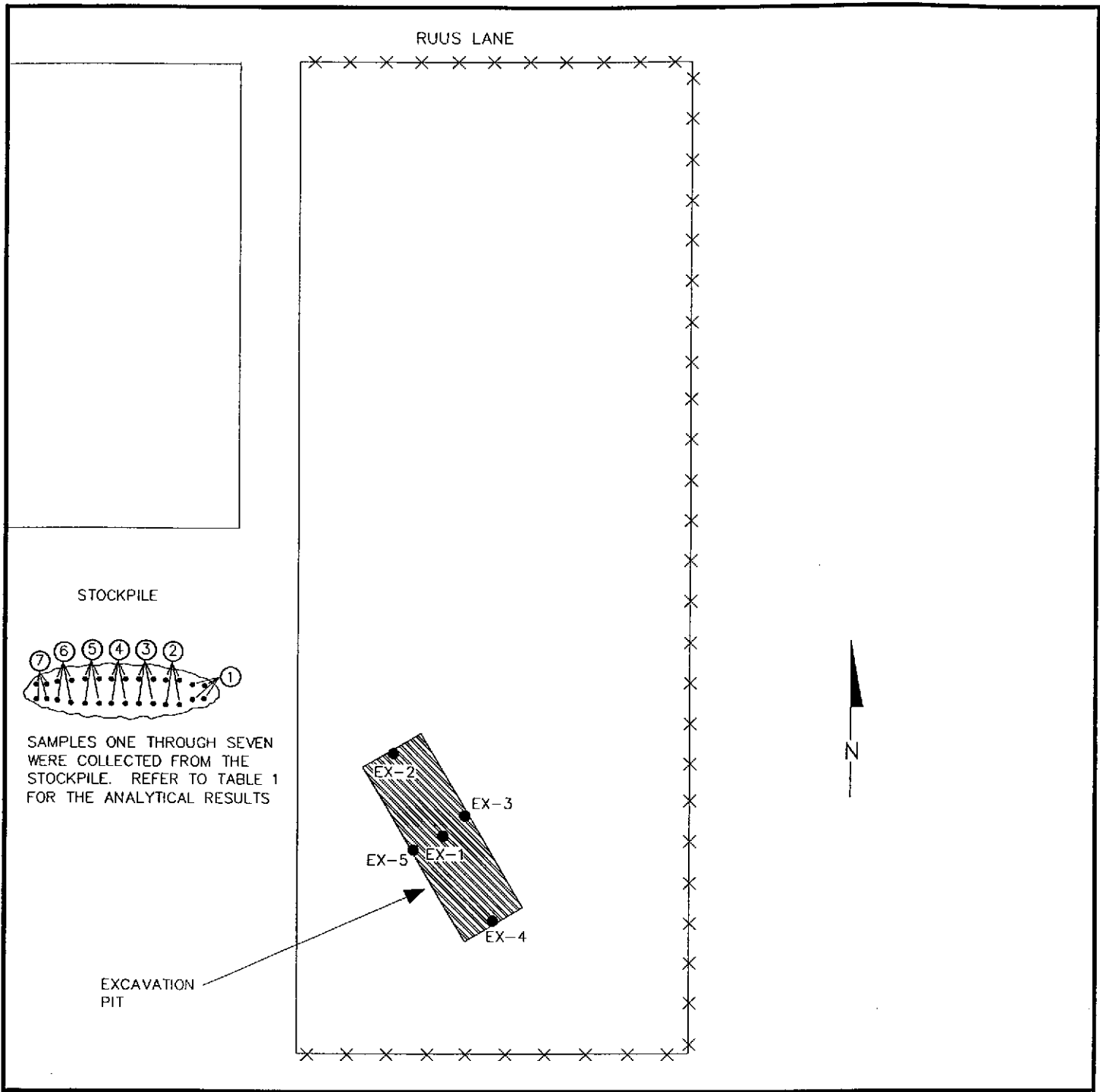
DATE: 06/12/96

CKD BY:

FIGURE NO: 1

FILE NO: 51059-1

DRAWN BY: S. BOWERS

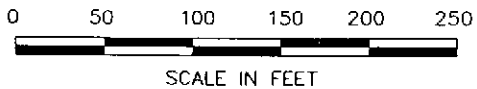


LEGEND

✕—✕ FENCE

● EX-5 CONFIRMATION SAMPLE LOCATION AND DESIGNATION

① COMPOSITE NUMBER AND SAMPLE LOCATIONS



GeoResearch Division

SAMPLE LOCATIONS  
REMEDIAL EXCAVATION  
1362 & 1384 RUUS LANE  
HAYWARD, CALIFORNIA  
PROJECT NUMBER: 575-51059

DATE: 7/15/96

CKD BY:

FIGURE NO.: 2

FILE NO: 51059-2

DRAWN BY: S.BOWERS

**TABLE 1**

**ANALYTICAL RESULTS FOR SOIL  
1362 AND 1384 RUUS LANE  
HAYWARD, CALIFORNIA**

SAMPLE NUMBER	OIL & GREASE
COMPOSITE 1	70
COMPOSITE 2	10
COMPOSITE 3	40
COMPOSITE 4	120
COMPOSITE 5	50
COMPOSITE 6	30
COMPOSITE 7	10

**Notes:**

All analytical results are reported in milligrams per kilogram (mg/kg).

**ATTACHMENT A**

LABORATORY REPORTS AND  
CHAIN-OF-CUSTODY RECORDS

# GEOTEST

An Environmental Monitoring and Testing Service  
 (310)498-9515 (800)624-5744

## LABORATORY REPORT

GeoResearch  
 3777 DEPOT ROAD, SUITE 418  
 HAYWARD, CA 94545

REPORT TO: FRANK POSS


GEOTEST PROJECT NO.: 96300-19  
 CLIENT ID: 575-51059  
 GEOTEST WORK ORDER NO: 10061A

PROJECT NAME: WARMINGTON HOMES: RUUS LANE  
 SITE LOCATION: 1362 & 1384 RUUS LANE  
 HAYWARD, CA

GEOTEST is pleased to provide you with analytical data for your above referenced project. Samples were collected on 06/11/96 and received on 06/12/96. Please refer to the chain of custody included at the end of this report for condition of the samples upon receipt. In accordance with the chain of custody, the samples were composited and analyzed for the following analytical parameters:

<u>ANALYTICAL TEST</u>	<u>PAGE</u>
5520E	2-3

REVIEWED AND APPROVED:

  
 \_\_\_\_\_  
 Gary Stewart, Laboratory Director  
 \_\_\_\_\_  
 6/17/96

REPORT DATE:

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. All samples are analyzed on an as received (wet weight) basis. Sampling, handling and analytical methods must be in accordance with EPA established protocols. Deviations from these protocols may compromise analytical results. Any results listed as "ND" are not detected above the indicated limit of detection. All method numbers referenced are EPA method numbers except where otherwise noted. This report is submitted for the exclusive use of the client to whom it is addressed and is only valid in its entirety. ELAP certification #1225.

**GEOTEST**

An Environmental Monitoring and Testing Service  
(310)498-9515 (800)624-5744

**LABORATORY REPORT**

ANALYST: FN

GEOTEST PROJECT NO.: 96300-19

CLIENT ID: 575-51059

MATRIX: SOIL

ANALYSIS OF OIL AND GREASE  
STANDARD METHODS (17th Ed.) 5520E

UNITS:		OIL & GREASE mg/Kg	DETECTION LIMIT mg/Kg
SAMPLE ID	DATE ANALYZED		
METHOD BLANK	06/13/96	ND	10
Composite 1 (SP-1, SP-2, SP-3, SP-4)	06/13/96	70	10
Composite 2 (SP-5, SP-6, SP-7, SP-8)	06/13/96	10	10
Composite 3 (SP-9, SP-10, SP-11, SP-12)	06/13/96	40	10
Composite 4 (SP-13, SP-14, SP-15, SP-16)	06/13/96	120	10
Composite 5 (SP-17, SP-18, SP-19, SP-20)	06/13/96	50	10
Composite 6 (SP-21, SP-22, SP-23, SP-24)	06/13/96	30	10
Composite 7 (SP-25, SP-26, SP-27, SP-28)	06/13/96	10	10

**GEOTEST**

An Environmental Monitoring and Testing Service  
 (310)498-9515 (600)624-5744

**QUALITY ASSURANCE/QUALITY CONTROL SUMMARY**

ANALYST:	FN	GEOTEST PROJECT NO.:	96300-19
		CLIENT ID:	575-51059
		MATRIX:	SOIL

ANALYSIS OF OIL AND GREASE  
 STANDARD METHODS (17th Ed.) 5520E

UNITS:		RECOVERY	ACCEPTABLE RANGE
	DATE ANALYZED	%	%
LCS	06/13/96	92	70-130
LCS II	06/13/96	84	70-130
RPD		9.1	0-25

LCS - Laboratory Control Standard  
 RPD - Relative Percent Difference





# GEOTEST

3960 E. Gilman Street  
 Long Beach, 90815  
 Telephone: (310) 498-9515 (800) 624-5744  
 Fax: (310) 597-0786

## CHAIN-OF-CUSTODY RECORD

# 9606036

GEOTEST  
 PROJECT NO: 96300-19/Vicobla  
 DATE 6/11/96 PAGE 1 OF 3

PROJECT NAME <u>Warrington Homes - Ruus Lane</u>				METHODS				MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
ADDRESS <u>1362 + 7384 Ruus Ln., Hayward, CA</u>				TPH GASOLINE	TPH DIESEL	BTEX	418.1				
SAMPLER'S SIGNATURE <u>[Signature]</u>											
PRINTED NAME <u>Scott Bowers</u>											
CLIENT PROJECT NO. <u>575-51059</u>											
PROJECT MANAGER <u>Frank Pass</u>											

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	5520E	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
✓ SP-1	6/11/96	1350						X	S	BR	1	Composite
✓ SP-2		1352										
✓ SP-3		1354										
✓ SP-4		1356										Composite
✓ SP-5		1400										
✓ SP-6		1402										
✓ SP-7		1404										Composite
✓ SP-8		1406										
✓ SP-9		1410										
✓ SP-10		1412										Composite

<b>1 RELINQUISHED BY</b> SIGNATURE <u>[Signature]</u> PRINTED NAME <u>Scott Bowers</u> COMPANY <u>P.S.I.</u>		<b>DATE</b> <u>6/11/96</u> <b>TIME</b> <u>1630</u>	<b>3 RELINQUISHED BY</b> SIGNATURE PRINTED NAME <u>Airborne</u> COMPANY		<b>DATE</b> <u>6/12/96</u> <b>TIME</b> <u>1130</u>	<b>5 RELINQUISHED BY</b> SIGNATURE PRINTED NAME COMPANY		<b>DATE</b> <b>TIME</b>	<b>SAMPLE CONDITIONS</b> RECEIVED ON ICE <u>YES/NO</u> CHAIN OF CUSTODY SEAL <u>YES/NO</u>
<b>2 RECEIVED BY</b> SIGNATURE PRINTED NAME <u>Airborne</u> COMPANY		<b>DATE</b> <u>6/11/96</u> <b>TIME</b> <u>1630</u>	<b>4 RECEIVED BY</b> SIGNATURE PRINTED NAME COMPANY		<b>DATE</b> <b>TIME</b>	<b>6 RECEIVED BY (LAB)</b> SIGNATURE <u>[Signature]</u> PRINTED NAME <u>Michele Horning</u> COMPANY <u>Geotest</u>		<b>DATE</b> <u>6/12/96</u> <b>TIME</b> <u>1130</u>	<b>PROJECT COMMENTS</b>



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## CHAIN-OF-CUSTODY RECORD

GEOTEST

PROJECT NO:

96300-19/1006(A)

DATE

6/11/96

PAGE

2 OF 3

PROJECT NAME <u>Warmington Homes: Ruus Lane</u>				METHODS						MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
ADDRESS <u>1362 + 1384 Ruus Ln, Hayward</u>				TPH GASOLINE	TPH DIESEL	BTEX	418.1	5520E					
SAMPLER'S SIGNATURE <u>[Signature]</u>													
PRINTED NAME <u>Scott Bowers</u>													
CLIENT PROJECT NO. <u>575-SIOS9</u>													
PROJECT MANAGER <u>Frank Poss</u>													

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	5520E	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
✓ SP-11	6/11/96	1414						X	S	BR	1	Composite w/ SP-9, SP-10
✓ SP-12		1416									1	
✓ SP-13		1420										Composite
✓ SP-14		1422										
✓ SP-15		1424										
✓ SP-16		1426										
✓ SP-17		1430										Composite
✓ SP-18		1432										
✓ SP-19		1434										
✓ SP-20		1436										

<b>1 RELINQUISHED BY</b> SIGNATURE <u>[Signature]</u> PRINTED NAME <u>Scott Bowers</u> COMPANY <u>P.S.I.</u>		<b>DATE</b> 6/11/96 <b>TIME</b> 1630	<b>3 RELINQUISHED BY</b> SIGNATURE <u>[Signature]</u> PRINTED NAME <u>Airborne</u> COMPANY <u>Airborne</u>		<b>DATE</b> 6/12/96 <b>TIME</b> 1130	<b>5 RELINQUISHED BY</b> SIGNATURE <u>[Signature]</u> PRINTED NAME <u>[Signature]</u> COMPANY <u>[Signature]</u>		<b>DATE</b>  <b>TIME</b> 	SAMPLE CONDITIONS RECEIVED ON ICE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO CHAIN OF CUSTODY SEAL <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<b>2 RECEIVED BY</b> SIGNATURE <u>[Signature]</u> PRINTED NAME <u>Airborne</u> COMPANY <u>Airborne</u>		<b>DATE</b> 6/11/96 <b>TIME</b> 1630	<b>4 RECEIVED BY</b> SIGNATURE <u>[Signature]</u> PRINTED NAME <u>[Signature]</u> COMPANY <u>[Signature]</u>		<b>DATE</b>  <b>TIME</b> 	<b>6 RECEIVED BY (LAB)</b> SIGNATURE <u>[Signature]</u> PRINTED NAME <u>Michelle Herring</u> COMPANY <u>Geotest</u>		<b>DATE</b> 6/12/96 <b>TIME</b> 1130	<b>PROJECT COMMENTS</b>



# GEOTEST

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 Fax: (310) 597-0786

## CHAIN-OF-CUSTODY RECORD

GEOTEST

PROJECT NO:

96300-19 (10060LA)

DATE

6/11/96

PAGE 3 OF 3

PROJECT NAME <u>Warmington Homes - Ruus Lane</u> ADDRESS <u>1362 &amp; 1384 Ruus Ln, Hayward, CA</u> SAMPLER'S SIGNATURE <u>[Signature]</u> PRINTED NAME <u>Scott Bowles</u> CLIENT PROJECT NO. <u>575-51059</u> PROJECT MANAGER <u>Frank Pass</u>				METHODS							MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	5520E						
✓ SP-21	6/11/96	1440						X			5 BR	1	Composite	
✓ SP-22		1442												
✓ SP-23		1444												
✓ SP-24		1446												
✓ SP-25		1450												
✓ SP-26		1452												
✓ SP-27		1454											Composite	
✓ SP-28		1456						✓		✓	✓	✓		

<b>1 RELINQUISHED BY</b> [Signature] SIGNATURE <u>Scott Bowles</u> PRINTED NAME <u>P. S. T.</u> COMPANY		<b>DATE</b> <u>6/11/96</u> <b>TIME</b> <u>1630</u>	<b>3 RELINQUISHED BY</b> [Signature] SIGNATURE <u>Airborne</u> PRINTED NAME <u>Airborne</u> COMPANY		<b>DATE</b> <u>6/12/96</u> <b>TIME</b> <u>1130</u>	<b>5 RELINQUISHED BY</b> [Signature] SIGNATURE <u>[Signature]</u> PRINTED NAME <u>[Signature]</u> COMPANY		<b>DATE</b> <u>6/12/96</u> <b>TIME</b> <u>1130</u>	SAMPLE CONDITIONS RECEIVED ON ICE <input type="checkbox"/> YES/NO CHAIN OF CUSTODY SEAL <input checked="" type="checkbox"/> YES/NO		PROJECT COMMENTS
<b>2 RECEIVED BY</b> [Signature] SIGNATURE <u>Airborne</u> PRINTED NAME <u>Airborne</u> COMPANY		<b>DATE</b> <u>6/11/96</u> <b>TIME</b> <u>1630</u>	<b>4 RECEIVED BY</b> [Signature] SIGNATURE <u>[Signature]</u> PRINTED NAME <u>[Signature]</u> COMPANY		<b>DATE</b> <u>6/12/96</u> <b>TIME</b> <u>1130</u>	<b>6 RECEIVED BY (LAB)</b> [Signature] SIGNATURE <u>Michele Henry</u> PRINTED NAME <u>Michele Henry</u> COMPANY <u>GEOTEST</u>					