Advanced Technology Laboratories

Print Date: *9/26/01*

CLIENT: Geocon Environmental
Lab Order: 052729
Project: Greenway Trail - A8050-06-03
Lab ID: 052729-052A

Client Sample ID: T16-.5
Collection Date: 8/23/01
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS						
RunID: ICP2_010926B BatchID: 5862		EPA 6010B		PrepDate: 9/26/01		Analyst: RQ
Antimony	2.5	0.25		mg/Kg	1.0	9/26/01
Antimony	1.0	0.25		mg/Kg	1.0	8/29/01
Arsenic	18	0.25		mg/Kg	1.0	8/29/01
Arsenic	15	0.25		mg/Kg	1.0	9/26/01
Barium	160	0.15		mg/Kg	1.0	8/29/01
Barium	110	0.15		mg/Kg	1.0	9/26/01
Beryllium	ND	0.15		mg/Kg	1.0	9/26/01
Beryllium	1.0	0.15		mg/Kg	1.0	8/29/01
Cadmium	ND	0.15		mg/Kg	1.0	8/29/01
Cadmium	ND	0.15		mg/Kg	1.0	9/26/01
Chromium	200	0.15		mg/Kg	1.0	8/29/01
Chromium	450	0.15		mg/Kg	1.0	9/26/01
Cobalt	1.5	0.15		mg/Kg	1.0	8/29/01
Cobalt	4.0	0.15		mg/Kg	1.0	9/26/01
Copper	17	0.15		mg/Kg	1.0	9/26/01
Copper	12	0.15		mg/Kg	1.0	8/29/01
Iron	120000	5.0		mg/Kg	1.0	9/26/01
Lead	7.0	0.25		mg/Kg	1.0	8/29/01
Lead	10	0.25		mg/Kg	1.0	9/26/01
Molybdenum	ND	0.25		mg/Kg	1.0	8/29/01
Molybdenum	ND	0.25		mg/Kg	1.0	9/26/01
Nickel	7.5	0.15		mg/Kg	1.0	8/29/01
Nickel	8.0	0.15		mg/Kg	1.0	9/26/01
Selenium	ND	0.25		mg/Kg	1.0	8/29/01
Selenium	ND	0.25		mg/Kg	1.0	9/26/01
Silver	ND	0.15		mg/Kg	1.0	9/26/01
Silver	ND	0.15		mg/Kg	1.0	8/29/01
Thallium	2.5	0.25		mg/Kg	1.0	8/29/01
Thallium	ND	0.25		mg/Kg	1.0	9/26/01
Vanadium	1000	0.15		mg/Kg	1.0	8/29/01
Vanadium	2300	0.15		mg/Kg	1.0	9/26/01
Zinc	30	0.50		mg/Kg	1.0	9/26/01
Zinc	18	0.50		mg/Kg	1.0	8/29/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories

Print Date: *9/26/01*

CLIENT: Geocon Environmental
Lab Order: 052729
Project: Greenway Trail - A8050-06-03
Lab ID: 052729-076A

Client Sample ID: T28-.5
Collection Date: 8/23/01
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS						
RunID: ICP2_010926B BatchID: 5862		EPA 6010B		PrepDate: 9/26/01		Analyst: RQ
Antimony	0.50	0.25		mg/Kg	1.0	9/26/01
Antimony	1.0	0.25		mg/Kg	1.0	8/29/01
Arsenic	34	0.25		mg/Kg	1.0	8/29/01
Arsenic	9.5	0.25		mg/Kg	1.0	9/26/01
Barium	130	0.15		mg/Kg	1.0	8/29/01
Barium	84	0.15		mg/Kg	1.0	9/26/01
Beryllium	ND	0.15		mg/Kg	1.0	9/26/01
Beryllium	ND	0.15		mg/Kg	1.0	8/29/01
Cadmium	ND	0.15		mg/Kg	1.0	8/29/01
Cadmium	ND	0.15		mg/Kg	1.0	9/26/01
Chromium	60	0.15		mg/Kg	1.0	8/29/01
Chromium	33	0.15		mg/Kg	1.0	9/26/01
Cobalt	4.5	0.15		mg/Kg	1.0	8/29/01
Cobalt	9.5	0.15		mg/Kg	1.0	9/26/01
Copper	76	0.15		mg/Kg	1.0	9/26/01
Copper	14	0.15		mg/Kg	1.0	8/29/01
Iron	73000	5.0		mg/Kg	1.0	9/26/01
Lead	42	0.25		mg/Kg	1.0	8/29/01
Lead	14	0.25		mg/Kg	1.0	9/26/01
Molybdenum	0.50	0.25		mg/Kg	1.0	8/29/01
Molybdenum	0.37	0.25		mg/Kg	1.0	9/26/01
Nickel	8.0	0.15		mg/Kg	1.0	8/29/01
Nickel	34	0.15		mg/Kg	1.0	9/26/01
Selenium	ND	0.25		mg/Kg	1.0	8/29/01
Selenium	ND	0.25		mg/Kg	1.0	9/26/01
Silver	ND	0.15		mg/Kg	1.0	9/26/01
Silver	ND	0.15		mg/Kg	1.0	8/29/01
Thallium	1.5	0.25		mg/Kg	1.0	8/29/01
Thallium	ND	0.25		mg/Kg	1.0	9/26/01
Vanadium	130	0.15		mg/Kg	1.0	8/29/01
Vanadium	120	0.15		mg/Kg	1.0	9/26/01
Zinc	16	0.50		mg/Kg	1.0	9/26/01
Zinc	340	0.50		mg/Kg	1.0	8/29/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
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Initials: _____

Subject: Lab ID 52729 RUSH

Diane -

Please re-analyze the following for metal scans under 48-hr rush (need Thursday afternoon):

ATL 52729 Geocon A8050-06-03

049	T15-.5	CRUSH DARK SLAG ROCK SAMPLE & ANALYZE
051	T16-.5	CRUSH LIGHT SLAG ROCK SAMPLE & ANALYZE
076	T28-.5	CRUSH LIGHT SLAG ROCK SAMPLE & ANALYZE
086	T31 SLAG	CRUSH DARK SLAG ROCK SAMPLE & ANALYZE

The light slag samples should be light grayish gravel size material with rust stained inclusions of iron. The dark slag is heavy dark brown gravel
size material. Please confirm the material type before testing and confirm
receipt of this e-mail. Thanks,

John

John E. Juhrend, PE, CEG
Geocon Consultants, Inc.
11375 Sunrise Park Drive, Suite 100
Rancho Cordova, CA 95742
916.852.9118 Tel
916.852.9132 Fax
juhrend@geoconinc.com

Advanced Technology
Laboratories

3275 Walnut Avenue
Signal Hill CA 90807
(562) 989-4045 Phone
(562) 989-4040 Fax

Fax Transmittal Sheet

To: Geocon-RC / Attn: Rebecca

From: Diane

RE: Results for 053231

Message:

Enclosed are the results for your Project. Thank you very much for your business and we are looking forward to being of service to you.

This message is intended for the use of the individual or entity to which it is addressed. This may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the above address. Thank you.

Advanced Technology Laboratories

Print Date: *10/2/01*

CLIENT: CRL-Sacramento
Lab Order: 053231
Project:
Lab ID: 053231-001A

Client Sample ID: 10268-001/T3-TIEG
Collection Date:
Matrix: Digestate

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS				**EPA 6010B**		
RunID: ICP2_011002C	BatchID: R12149			PrepDate:		Analyst: RQ
Arsenic	10	0.25		mg/Kg	1.0	10/2/01
Lead	22	0.25		mg/Kg	1.0	10/2/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *10/2/01*

CLIENT: CRL-Sacramento
Client Sample ID: 10268-002/S1-.5
Lab Order: 053231
Project:
Collection Date:
Lab ID: 053231-002A
Matrix: Digestate

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS				**EPA 6010B**		
RunID: **ICP2_011002C** BatchID: **R12149**				PrepDate:		Analyst: **RQ**
Arsenic	25	0.25		mg/Kg	1.0	10/2/01
Lead	16	0.25		mg/Kg	1.0	10/2/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *10/2/01*

CLIENT: CRL-Sacramento
Lab Order: 053231
Project:
Lab ID: 053231-003A

Client Sample ID: 10268-003/S2-.5
Collection Date:
Matrix: Digestate

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS			**EPA 6010B**			
RunID: ICP2_011002C	BatchID: R12149			PrepDate:		Analyst: RQ
Arsenic	8.0	0.25		mg/Kg	1.0	10/2/01
Lead	13	0.25		mg/Kg	1.0	10/2/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: ___

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Advanced Technology Laboratories

Print Date: *10/2/01*

CLIENT: CRL-Sacramento
Lab Order: 053231
Project:
Lab ID: 053231-004A

Client Sample ID: 10268-004/S5-.5
Collection Date:
Matrix: Digestate

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS				**EPA 6010B**		
RunID: **ICP2_011002C**	BatchID: **R12149**			PrepDate:		Analyst: **RQ**
Arsenic	7.5	0.25		mg/Kg	1.0	10/2/01
Lead	6.0	0.25		mg/Kg	1.0	10/2/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: D

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *10/2/01*

CLIENT: CRL-Sacramento
Lab Order: 053231
Project:
Lab ID: 053231-005A

Client Sample ID: 10268-005/S6-.5
Collection Date:
Matrix: Digestate

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS				EPA 6010B		
RunID: ICP2_011002C	BatchID: R12149			PrepDate:		Analyst: RQ
Arsenic	12	0.25		mg/Kg	1.0	10/2/01
Lead	34	0.25		mg/Kg	1.0	10/2/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored, Highly Reactive

Initials: [illegible]

Advanced Technology Laboratories
3275 Walnut Avenue

Advanced Technology Laboratories

Print Date: *10/2/01*

CLIENT: CRL-Sacramento
Client Sample ID: 10268-006/S7-.5
Lab Order: 053231
Project:
Collection Date:
Lab ID: 053231-006A
Matrix: Digestate

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS			**EPA 6010B**			
RunID: ICP2_011002C	BatchID: R12149		PrepDate:			Analyst: RQ
Arsenic	9.0	0.25		mg/Kg	1.0	10/2/01
Lead	66	0.25		mg/Kg	1.0	10/2/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored, Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *10/2/01*

CLIENT: CRL-Sacramento
Lab Order: 053231
Project:
Lab ID: 053231-007A

Client Sample ID: 10268-007/17-TIEG
Collection Date:
Matrix: Digestate

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS						
RunID: ICP2_011002C BatchID: R12149		EPA 6010B		PrepDate:		Analyst: RQ
Arsenic	46	0.25		mg/Kg	1.0	10/2/01
Lead	100	0.25		mg/Kg	1.0	10/2/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories 3275 Walnut Avenue

Advanced Technology Laboratories

Print Date: *10/2/01*

CLIENT: CRL-Sacramento
Lab Order: 053231
Project:
Lab ID: 053231-008A

Client Sample ID: 10268-008/T9-1
Collection Date:
Matrix: Digestate

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS				**EPA 6010B**		
RunID: ICP2_011002C	BatchID: R12149			PrepDate:		Analyst: RQ
Arsenic	9.5	0.25		mg/Kg	1.0	10/2/01
Lead	7.5	0.25		mg/Kg	1.0	10/2/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *10/2/01*

CLIENT: CRL-Sacramento
Client Sample ID: 10268-009/T10-1
Lab Order: 053231
Project:
Collection Date:
Lab ID: 053231-009A
Matrix: Digestate

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS				**EPA 6010B**		
RunID: **ICP2_011002C** BatchID: **R12149**				PrepDate:		Analyst: **RQ**
Arsenic	7.0	0.25		mg/Kg	1.0	10/2/01
Lead	4.0	0.25		mg/Kg	1.0	10/2/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories

Print Date: *10/2/01*

CLIENT: CRL-Sacramento
Client Sample ID: 10268-010/S8-0
Lab Order: 053231
Project:
Collection Date:
Lab ID: 053231-010A
Matrix: Digestate

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS				**EPA 6010B**		
RunID: ICP2_011002C	BatchID: R12149			PrepDate:		Analyst: RQ
Arsenic	6.5	0.25		mg/Kg	1.0	10/2/01
Lead	50	0.25		mg/Kg	1.0	10/2/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored, Highly Reactive

Initials:

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *10/2/01*

CLIENT: CRL-Sacramento
Lab Order: 053231
Project:
Lab ID: 053231-011A

Client Sample ID: 10268-011/T11-2
Collection Date:
Matrix: Digestate

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS						
RunID: ICP2_011002C BatchID: R12149		EPA 6010B		PrepDate:		Analyst: RQ
Arsenic	99	0.25		mg/Kg	1.0	10/2/01
Lead	4.0	0.25		mg/Kg	1.0	10/2/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories

Print Date: *10/2/01*

CLIENT: CRL-Sacramento
Lab Order: 053231
Project:
Lab ID: 053231-012A

Client Sample ID: 10268-012/S9-0
Collection Date:
Matrix: Digestate

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS				**EPA 6010B**		
RunID: ICP2_011002C	BatchID: R12149			PrepDate:		Analyst: RQ
Arsenic	12	0.25		mg/Kg	1.0	10/2/01
Lead	150	0.25		mg/Kg	1.0	10/2/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored, Highly Reactive

Initials: _____

Advanced Technology Laboratories
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Advanced Technology Laboratories

Print Date: *10/2/01*

CLIENT: CRL-Sacramento
Lab Order: 053231
Project:
Lab ID: 053231-013A

Client Sample ID: 10268-013/T13-2
Collection Date:
Matrix: Digestate

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS				**EPA 6010B**		
RunID: ICP2_011002C	BatchID: R12149			PrepDate:		Analyst: RQ
Arsenic	7.0	0.25		mg/Kg	1.0	10/2/01
Lead	4.0	0.25		mg/Kg	1.0	10/2/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989 4045

Advanced Technology Laboratories

Print Date: *10/2/01*

CLIENT: CRL-Sacramento
Client Sample ID: 10268-014/T14-1
Lab Order: 053231
Project:
Collection Date:
Lab ID: 053231-014A
Matrix: Digestate

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS				**EPA 6010B**		
RunID: **ICP2_011002C** BatchID: **R12149**				PrepDate:		Analyst: **RQ**
Arsenic	8.0	0.25		mg/Kg	1.0	10/2/01
Lead	5.0	0.25		mg/Kg	1.0	10/2/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *10/2/01*

CLIENT: CRL-Sacramento
Lab Order: 053231
Project:
Lab ID: 053231-015A

Client Sample ID: 10268-015/T17-1.5
Collection Date:
Matrix: Digestate

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS						
RunID: ICP2_011002C BatchID: R12149		EPA 6010B		PrepDate:		Analyst: RQ
Arsenic	36	0.25		mg/Kg	1.0	10/2/01
Lead	12	0.25		mg/Kg	1.0	10/2/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *10/2/01*

CLIENT: CRL-Sacramento
Client Sample ID: 10268-016/T18-1
Lab Order: 053231
Project:
Collection Date:
Lab ID: 053231-016A
Matrix: Digestate

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS				**EPA 6010B**		
RunID: ICP2_011002C BatchID: R12149				PrepDate:		Analyst: RQ
Arsenic	22	0.25		mg/Kg	1.0	10/2/01
Lead	34	0.25		mg/Kg	1.0	10/2/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored, Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *10/2/01*

CLIENT: CRL-Sacramento
Lab Order: 053231
Project:
Lab ID: 053231-017A

Client Sample ID: 10268-017/T20-2
Collection Date:
Matrix: Digestate

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS				EPA 6010B		
RunID: ICP2_011002C	BatchID: R12149			PrepDate:		Analyst: RQ
Arsenic	8.0	0.25		mg/Kg	1.0	10/2/01
Lead	15	0.25		mg/Kg	1.0	10/2/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562-989-4045

Advanced Technology Laboratories

Print Date: *10/2/01*

CLIENT: CRL-Sacramento
Client Sample ID: 10268-018/T22-2
Lab Order: 053231
Project:
Collection Date:
Lab ID: 053231-018A
Matrix: Digestate

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS				**EPA 6010B**		
RunID: ICP2_011002C	BatchID: R12149			PrepDate:		Analyst: RQ
Arsenic	8.0	0.25		mg/Kg	1.0	10/2/01
Lead	3.5	0.25		mg/Kg	1.0	10/2/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored, Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *10/2/01*

CLIENT: CRL-Sacramento
Lab Order: 053231
Project:
Lab ID: 053231-019A

Client Sample ID: 10268-019/T23-1
Collection Date:
Matrix: Digestate

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS						
RunID: ICP2_011002C BatchID: R12149		EPA 6010B		PrepDate:		Analyst: RQ
Arsenic	16	0.25		mg/Kg	1.0	10/2/01
Lead	14	0.25		mg/Kg	1.0	10/2/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: [illegible]

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *10/2/01*

CLIENT: CRL-Sacramento
Lab Order: 053231
Project:
Lab ID: 053231-020A

Client Sample ID: 10268-020/T27-1
Collection Date:
Matrix: Digestate

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS						
RunID: ICP2_011002C BatchID: R12149			EPA 6010B	PrepDate:		Analyst: RQ
Arsenic	9.0	0.25		mg/Kg	1.0	10/2/01
Lead	33	0.25		mg/Kg	1.0	10/2/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials:

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *10/2/01*

CLIENT: CRL-Sacramento
Lab Order: 053231
Project:
Lab ID: 053231-021A

Client Sample ID: 10268-021/T29-1
Collection Date:
Matrix: Digestate

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS						
RunID: ICP2_011002D BatchID: R12150		EPA 6010B		PrepDate:		Analyst: RQ
Arsenic	ND	0.25		mg/Kg	1.0	10/2/01
Lead	ND	0.25		mg/Kg	1.0	10/2/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562-989-4045

CHAIN OF CUSTODY RECORD

CRL Environmental Corporation
4630 Northgate Blvd., Suite 100
Sacramento, CA 95834
Tel: 916-925-1225 • Fax: 916-925-1215

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: [illegible] Date: 10/02/01 Time: 9 AM

Method of Transport: Walk-In ☐ Courier ☑ [illegible] 10/02/01 UPS ☐ FED. EXP ☐ CRL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☑
2. HEADSPACE (VOA) Y☑ N☐
3. CONTAINER INTACT Y☑ N☐
4. SEALED Y☑ N☐
5. # OF SPLS MATCH COC Y☑ N☐
6. PRESERVED Y☑ N☐

Client: CRL ENVIRONMENTAL CORP.
Attn: Bing Roura
Address: 4630 Northgate Blvd., suite 100
City Sacramento State CA Zip Code 95834
TEL: (916) 925-1225
FAX: (916) 925-1215
Project Name:
Project #:
Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) BETH M. ALPANTE Date: 4:00pm Time: 100101 Received by: (Signature and Printed Name) [illegible] Date: 10/02/01 Time: 9 AM
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT) ATL
TEST: Pb, As
CRL #: 10268-001/021
DATE: 100101
CLIENT I.D.

I hereby authorize CRL to perform the work indicated below:
Project Mgr /Submitter: BETH M. ALPANTE Date: 10/01/01
Print Name
Signature

Send Report To:
Attn: BING ROURA
Co: CRL ENVIRONMENTAL CORP
Address same as above
City _____ State _____ Zip _____

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL

Circle or Add Analysis(es) Requested: 601/8010 (Halogenated Volatiles-GC); 602/8020/BTEX (Aromatic Volatiles-GC); 608/8080 (Pesticides/PCB-GC); 624/8240 (Volatiles-GC/MS); 625/8270 (BNA-GC/MS); 8015M TPH(G/BTEX/COMBINATION); 8015M TPH/D (Diesel-GC); 418.1 (TPH-IR); Metals-Total (CAC-5010/7000) Pb, As

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER digestate

QA/QC: RTNE ☐ RWQCB ☐ DW ☐ NAVY ☐ CT ☐ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	Metals-Total	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	053821-001	10268-001/T3-TIEG			X	X	A	1	P	
	002	-002/S1-.5								
	003	-003/S2-.5								
	004	-004/S5-.5								
	005	-005/S6-.5								
	006	-006/S7-.5								
	007	-007/T7-TIEG								
	008	-008/T9-1								
	009	-009/T10-1								
	010	-010/S8-0								

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

CHAIN OF CUSTODY RECORD

CRL Environmental Corporation
4630 Northgate Blvd., Suite 100
Sacramento, CA 95834
Tel: 916-925-1225 • Fax: 916-925-1215

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. #: _____
P.O.#: _____
Logged By: _____ Date: 10/02/01 Time: 9AM

Method of Transport: Walk-in ☐ Courier ☑ UPS ☐ FED. EXP. ☐ CRL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☑ 4. SEALED Y☑ N☐
2. HEADSPACE (VOA) Y☑ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☐

Client: CRL ENVIRONMENTAL CORP.
Attn: Bing Roura
Address: 4630 Northgate Blvd., Suite 100
City: Sacramento State: CA Zip Code: 95834
TEL: (916) 925-1225
FAX: (916) 925-1215
Project Name: Project #: Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) BETH M. ALPANTE Date: 100101 Time: 4:00pm Received by: (Signature and Printed Name)
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: 10/02/01 Time: 9AM
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT) ATL
TEST: Pb, As
CRL #: 10268-001/021
DATE: 100101
CLIENT I.D.

I hereby authorize CRL to perform the work indicated below:
Project Mgr /Submitter:
BETH M. ALPANTE Date: 10/01/01
Print Name
Signature

Send Report To:
Attn: BING ROURA
Co: CRL ENVIRONMENTAL CORP.
Address: same as above
City _____ State _____ Zip _____

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL

Circle or Add Analysis(es) Requested: 601/8010 (Halogenated Volatiles-GC); 602/8020/BTEX (Aromatic Volatiles-GC); 608/8080 (Pesticides/PCB-GC); 624/8240 (Volatiles-GC/MS); 8260 (Volatiles-GC/MS); 625/8270 (BNA-GC/MS); 8015M TPHG/BTEX(COMBINATION); 8015M TPHD (Diesel-GC); 418.1 (TPH-IR); Metals-Total (CAC-6010/7000) Pb, As

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER digestate

QA/QC: RTNE ☐ RWQCB ☐ DW ☐ NAVY ☐ CT ☐ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010	602/8020	608/8080	624/8240	8260	625/8270	8015M TPHG/BTEX	8015M TPHD	418.1	Metals-Total (Pb, As)	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER digestate	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	653831-011	10268-011 / T11-2											X								X	A	1	P		
	012	-012 / S9-0																								
	013	-013 / T13-2																								
	014	-014 / T14-1																								
	015	-015 / T17-1.5																								
	016	-016 / T18-1																								
	017	-017 / T20-2																								
	018	-018 / T22-2																								
	019	-019 / T23-1																								
	020	-020 / T27-1																								

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

OCT-02-01 TUE 05:00 PM ADVANCED TECHNOLOGY LAB FAX NO. 5629894040 P. 24

CHAIN OF CUSTODY RECORD

Pg 3 of 4

CRL Environmental Corporation
4630 Northgate Blvd., Suite 100
Sacramento, CA 95834
Tel: 916-925-1225 • Fax: 916-925-1215

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: [illegible] Date: 10/02 Time: 9AM

Method of Transport: Walk-In ☐ Courier ☒ UPS ☐ FED. EXP. ☐ CRL [illegible]

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☒ 4. SEALED Y☒ N☐
2. HEADSPACE (VOA) Y☒ N☐ 5. # OF SPLS MATCH COC Y☒ N☐
3. CONTAINER INTACT Y☒ N☐ 6. PRESERVED Y☒ N☐

Client: CRL ENVIRONMENTAL CORP.
Attn: Bing Roura
Address: 4630 Northgate Blvd., Suite 100
City: Sacramento State: CA Zip Code: 95834
TEL: (916) 925-1225
FAX: (916) 925-1215
Project Name:
Project #:
Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) BETH M. ALFANTE Date: 100101 Time: 4:00pm Received by: (Signature and Printed Name) [illegible] Date: 10/02/01 Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT) ATL
TEST: Pb, As
CRL #: 10268-001/021
DATE: 100101
CLIENT I.D.

I hereby authorize CRL to perform the work indicated below:
Project Mgr /Submitter: BETH M. ALFANTE Date: 10/01/01
Print Name
Signature

Send Report To:
Attn: BING ROURA
Co: CRL ENVIRONMENTAL CORP.
Address: same as above
City State Zip

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 601/8010 (Halogenated Volatiles-GC); 602/8020/BTEX (Aromatic Volatiles-GC); 608/8080 (Pesticides/PCB-GC); 624/8240 (Volatiles-GC/MS); 8260 (Volatiles-GC/MS); 625/8270 (BNA-GC/MS); 8015M TPHG/BTEX(COMBINATION); 8015M TPH/D (Diesel-GC); 418.1 (TPH-IR); Metals-Total (CAC-6010/7000) Pb, As

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER digestate

QA/QC: RTNE ☐ RWQCB ☐ DW ☐ NAVY ☐ CT ☐ OTHER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	Metals-Total (CAC-6010/7000)	SOLID • SOIL • SLUDGE	WATER • WASTEWATER	OTHER digestate	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	0232.31-021	10268-021/T29-1			X			X	A	1	P		
	022	Method Blank 1											
	023	Method Blank 2											
	024	10268-020 dup/T27-1											
	025	-020 MS											
	026	-020 MSD											
	027	-021 dup/T29-1											
	028	-021 MS											
	029	-021 MSD											
	030	LCS1											

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

CHAIN OF CUSTODY RECORD

CRL Environmental Corporation
4630 Northgate Blvd., Suite 100
Sacramento, CA 95834
Tel: 916-925-1225 • Fax: 916-925-1215

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: [illegible] Date: 10/02 Time: 9 AM

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ CRL ☒

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☒ 4. SEALED Y☒ N☐
2. HEADSPACE (VOA) Y☒ N☐ 5. # OF SPLS MATCH COC Y☒ N☐
3. CONTAINER INTACT Y☒ N☐ 6. PRESERVED Y☐ N☐

Client: CRL ENVIRONMENTAL CORP.
Attn: Bing Roura
Address: 4630 Northgate Blvd., Suite 100
City: Sacramento State: CA Zip Code: 95834
TEL: (916) 925-1225
FAX: (916) 925-1215
Project Name: Project #: Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) BETH M. ALPANTE Date: 100101 Time: 4:00pm Received by: (Signature and Printed Name) [illegible] Date: 10/2/01 Time: 9AM
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB: (SUB CONTRACT) ATL
TEST: Pb, AS
CRL #: 10268-001/021
DATE: 100101
CLIENT I.D. _____

I hereby authorize CRL to perform the work indicated below:
Project Mgr /Submitter: BETH M. ALPANTE Date: 10/01/01
Print Name
Signature

Send Report To:
Attn: BING ROURA
Co: CRL ENVIRONMENTAL CORP.
Address: same as above
City _____ State _____ Zip _____

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 601/8010 (Halogenated Volatiles-GC); 602/8020/BTEX (Aromatic Volatiles-GC); 608/8080 (Pesticides/PCB-GC); 624/8240 (Volatiles-GC/MS); 8260 (Volatiles-GC/MS); 625/8270 (BNA-GC/MS); 8015M TPH/G/BTEX(COMBINATION); 8015M TPH/D (Diesel-GC); 418.1 (TPH-IR); Metals-Total (CAC-6010/7000); Pb, AS

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER digestate

QA/QC: RTNE ☐ RWQCB ☐ DW ☐ NAVY ☐ CT ☐ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	601/8010	602/8020	608/8080	624/8240	8260	625/8270	8015M TPH/G	8015M TPH/D	418.1	Metals-Total	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER digestate	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	053231-031	LCS 2											X								X	A	1	P		

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

September 26, 2001

RECEIVED
OCT 04 2001
BY: GEOCON

John Juhrend
Geocon Environmental
11375 Sunrise Park Drive #100
Rancho Cordova, CA 95742
TEL: (916) 852-9118
FAX (916) 852-9132

ELAP No: 1838

RE: Greenway Trail - A8050-06-03

Work Order No.: 052729

Attention: John Juhrend

Enclosed are the results for sample(s) received on August 24, 2001 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Edgar Caballero
Laboratory Director

This cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

Print Date: *9/26/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	T15-.5
Lab Order:	052729		
Project:	Greenway Trail - A8050-06-03	**Collection Date:**	8/23/01
Lab ID:	052729-049A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS			**EPA 6010B**			
RunID: **ICP2_010926B**	BatchID: **5862**			PrepDate: **9/26/01**		Analyst: **RQ**
Antimony	1.0	0.25		mg/Kg	1.0	9/26/01
Antimony	ND	0.25		mg/Kg	1.0	8/29/01
Arsenic	60	0.25		mg/Kg	1.0	8/29/01
Arsenic	36	0.25		mg/Kg	1.0	9/26/01
Barium	94	0.15		mg/Kg	1.0	8/29/01
Barium	44	0.15		mg/Kg	1.0	9/26/01
Beryllium	ND	0.15		mg/Kg	1.0	9/26/01
Beryllium	ND	0.15		mg/Kg	1.0	8/29/01
Cadmium	ND	0.15		mg/Kg	1.0	8/29/01
Cadmium	ND	0.15		mg/Kg	1.0	9/26/01
Chromium	9.5	0.15		mg/Kg	1.0	8/29/01
Chromium	2.5	0.15		mg/Kg	1.0	9/26/01
Cobalt	6.5	0.15		mg/Kg	1.0	8/29/01
Cobalt	6.5	0.15		mg/Kg	1.0	9/26/01
Copper	380	0.15		mg/Kg	1.0	9/26/01
Copper	140	0.15		mg/Kg	1.0	8/29/01
Iron	19000	5.0		mg/Kg	1.0	9/26/01
Lead	94	0.25		mg/Kg	1.0	8/29/01
Lead	260	0.25		mg/Kg	1.0	9/26/01
Molybdenum	18	0.25		mg/Kg	1.0	8/29/01
Molybdenum	120	0.25		mg/Kg	1.0	9/26/01
Nickel	22	0.15		mg/Kg	1.0	8/29/01
Nickel	1.0	0.15		mg/Kg	1.0	9/26/01
Selenium	ND	0.25		mg/Kg	1.0	8/29/01
Selenium	ND	0.25		mg/Kg	1.0	9/26/01
Silver	0.32	0.15		mg/Kg	1.0	9/26/01
Silver	ND	0.15		mg/Kg	1.0	8/29/01
Thallium	0.50	0.25		mg/Kg	1.0	8/29/01
Thallium	ND	0.25		mg/Kg	1.0	9/26/01
Vanadium	22	0.15		mg/Kg	1.0	8/29/01
Vanadium	8.5	0.15		mg/Kg	1.0	9/26/01
Zinc	810	0.50		mg/Kg	1.0	9/26/01
Zinc	440	0.50		mg/Kg	1.0	8/29/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials:

Advanced Technology Laboratory
2275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *9/26/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	T16-.5
Lab Order:	052729		
Project:	Greenway Trail - A8050-06-03	**Collection Date:**	8/23/01
Lab ID:	052729-052A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS			**EPA 6010B**			
RunID: **ICP2_010926B**	BatchID: **5862**			PrepDate: **9/26/01**		Analyst: **RQ**
Antimony	2.5	0.25		mg/Kg	1.0	9/26/01
Antimony	1.0	0.25		mg/Kg	1.0	8/29/01
Arsenic	18	0.25		mg/Kg	1.0	8/29/01
Arsenic	15	0.25		mg/Kg	1.0	9/26/01
Barium	160	0.15		mg/Kg	1.0	8/29/01
Barium	110	0.15		mg/Kg	1.0	9/26/01
Beryllium	ND	0.15		mg/Kg	1.0	9/26/01
Beryllium	1.0	0.15		mg/Kg	1.0	8/29/01
Cadmium	ND	0.15		mg/Kg	1.0	8/29/01
Cadmium	ND	0.15		mg/Kg	1.0	9/26/01
Chromium	200	0.15		mg/Kg	1.0	8/29/01
Chromium	450	0.15		mg/Kg	1.0	9/26/01
Cobalt	1.5	0.15		mg/Kg	1.0	8/29/01
Cobalt	4.0	0.15		mg/Kg	1.0	9/26/01
Copper	17	0.15		mg/Kg	1.0	9/26/01
Copper	12	0.15		mg/Kg	1.0	8/29/01
Iron	120000	5.0		mg/Kg	1.0	9/26/01
Lead	7.0	0.25		mg/Kg	1.0	8/29/01
Lead	10	0.25		mg/Kg	1.0	9/26/01
Molybdenum	ND	0.25		mg/Kg	1.0	8/29/01
Molybdenum	ND	0.25		mg/Kg	1.0	9/26/01
Nickel	7.5	0.15		mg/Kg	1.0	8/29/01
Nickel	8.0	0.15		mg/Kg	1.0	9/26/01
Selenium	ND	0.25		mg/Kg	1.0	8/29/01
Selenium	ND	0.25		mg/Kg	1.0	9/26/01
Silver	ND	0.15		mg/Kg	1.0	9/26/01
Silver	ND	0.15		mg/Kg	1.0	8/29/01
Thallium	2.5	0.25		mg/Kg	1.0	8/29/01
Thallium	ND	0.25		mg/Kg	1.0	9/26/01
Vanadium	1000	0.15		mg/Kg	1.0	8/29/01
Vanadium	2300	0.15		mg/Kg	1.0	9/26/01
Zinc	30	0.50		mg/Kg	1.0	9/26/01
Zinc	18	0.50		mg/Kg	1.0	8/29/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: ____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Print Date: *9/26/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	T28-.5
Lab Order:	052729		
Project:	Greenway Trail - A8050-06-03	**Collection Date:**	8/23/01
Lab ID:	052729-076A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS			**EPA 6010B**			
RunID: **ICP2_010926B**	BatchID: **5862**			PrepDate: **9/26/01**		Analyst: **RQ**
Antimony	0.50	0.25		mg/Kg	1.0	9/26/01
Antimony	1.0	0.25		mg/Kg	1.0	8/29/01
Arsenic	34	0.25		mg/Kg	1.0	8/29/01
Arsenic	9.5	0.25		mg/Kg	1.0	9/26/01
Barium	130	0.15		mg/Kg	1.0	8/29/01
Barium	84	0.15		mg/Kg	1.0	9/26/01
Beryllium	ND	0.15		mg/Kg	1.0	9/26/01
Beryllium	ND	0.15		mg/Kg	1.0	8/29/01
Cadmium	ND	0.15		mg/Kg	1.0	8/29/01
Cadmium	ND	0.15		mg/Kg	1.0	9/26/01
Chromium	60	0.15		mg/Kg	1.0	8/29/01
Chromium	33	0.15		mg/Kg	1.0	9/26/01
Cobalt	4.5	0.15		mg/Kg	1.0	8/29/01
Cobalt	9.5	0.15		mg/Kg	1.0	9/26/01
Copper	76	0.15		mg/Kg	1.0	9/26/01
Copper	14	0.15		mg/Kg	1.0	8/29/01
Iron	73000	5.0		mg/Kg	1.0	9/26/01
Lead	42	0.25		mg/Kg	1.0	8/29/01
Lead	14	0.25		mg/Kg	1.0	9/26/01
Molybdenum	0.50	0.25		mg/Kg	1.0	8/29/01
Molybdenum	0.37	0.25		mg/Kg	1.0	9/26/01
Nickel	8.0	0.15		mg/Kg	1.0	8/29/01
Nickel	34	0.15		mg/Kg	1.0	9/26/01
Selenium	ND	0.25		mg/Kg	1.0	8/29/01
Selenium	ND	0.25		mg/Kg	1.0	9/26/01
Silver	ND	0.15		mg/Kg	1.0	9/26/01
Silver	ND	0.15		mg/Kg	1.0	8/29/01
Thallium	1.5	0.25		mg/Kg	1.0	8/29/01
Thallium	ND	0.25		mg/Kg	1.0	9/26/01
Vanadium	130	0.15		mg/Kg	1.0	8/29/01
Vanadium	120	0.15		mg/Kg	1.0	9/26/01
Zinc	16	0.50		mg/Kg	1.0	9/26/01
Zinc	340	0.50		mg/Kg	1.0	8/29/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4047

Advanced Technology Laboratories

Print Date: *9/26/01*

CLIENT: Geocon Environmental
Client Sample ID: T31-SLAG
Lab Order: 052729
Project: Greenway Trail - A8050-06-03
Collection Date: 8/23/01
Lab ID: 052729-086A
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS			**EPA 6010B**			
RunID: **ICP2_010926B** BatchID: **5862**				PrepDate: **9/26/01**		Analyst: **RQ**
Antimony	2.0	0.25		mg/Kg	1.0	9/26/01
Antimony	0.30	0.25		mg/Kg	1.0	8/30/01
Arsenic	2.0	0.25		mg/Kg	1.0	8/30/01
Arsenic	24	0.25		mg/Kg	1.0	9/26/01
Barium	9.5	0.15		mg/Kg	1.0	8/30/01
Barium	100	0.15		mg/Kg	1.0	9/26/01
Beryllium	ND	0.15		mg/Kg	1.0	9/26/01
Beryllium	ND	0.15		mg/Kg	1.0	8/30/01
Cadmium	ND	0.15		mg/Kg	1.0	8/30/01
Cadmium	ND	0.15		mg/Kg	1.0	9/26/01
Chromium	1.0	0.15		mg/Kg	1.0	8/30/01
Chromium	0.38	0.15		mg/Kg	1.0	9/26/01
Cobalt	12	0.15		mg/Kg	1.0	8/30/01
Cobalt	10	0.15		mg/Kg	1.0	9/26/01
Copper	480	0.15		mg/Kg	1.0	9/26/01
Copper	300	0.15		mg/Kg	1.0	8/30/01
Iron	21000	5.0		mg/Kg	1.0	9/26/01
Lead	28	0.25		mg/Kg	1.0	8/30/01
Lead	200	0.25		mg/Kg	1.0	9/26/01
Molybdenum	5.0	0.25		mg/Kg	1.0	8/30/01
Molybdenum	30	0.25		mg/Kg	1.0	9/26/01
Nickel	5.0	0.15		mg/Kg	1.0	8/30/01
Nickel	2.0	0.15		mg/Kg	1.0	9/26/01
Selenium	ND	0.25		mg/Kg	1.0	8/30/01
Selenium	ND	0.25		mg/Kg	1.0	9/26/01
Silver	0.20	0.15		mg/Kg	1.0	9/26/01
Silver	0.37	0.15		mg/Kg	1.0	8/30/01
Thallium	ND	0.25		mg/Kg	1.0	8/30/01
Thallium	ND	0.25		mg/Kg	1.0	9/26/01
Vanadium	1.5	0.15		mg/Kg	1.0	8/30/01
Vanadium	1.0	0.15		mg/Kg	1.0	9/26/01
Zinc	390	0.50		mg/Kg	1.0	9/26/01
Zinc	87	0.50		mg/Kg	1.0	8/30/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *26-Sep-01*

CLIENT: Geocon Environmental
Work Order: 052729
Project: Greenway Trail - A8050-06-03

QC SUMMARY REPORT

Method Blank

Sample ID **MB-5555** Batch ID: **5555** Test Name **ICP METALS** Units **mg/Kg** Analysis Date: **8/28/01** Prep Date: **8/28/01**

MBLK SeqNo: **178142**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.25		0				0			
Arsenic	ND	0.25		0				0			
Barium	ND	0.15		0				0			
Beryllium	ND	0.15		0				0			
Cadmium	ND	0.15		0				0			
Chromium	ND	0.15		0				0			
Cobalt	ND	0.15		0				0			
Copper	ND	0.15		0				0			
Lead	ND	0.25		0				0			
Molybdenum	ND	0.25		0				0			
Nickel	ND	0.15		0				0			
Selenium	ND	0.25		0				0			
Silver	ND	0.15		0				0			
Thallium	ND	0.25		0				0			
Vanadium	ND	0.15		0				0			
Zinc	ND	0.50		0				0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: ____

All calculations are based on raw values.

National Testing Laboratories
Environmental Services
2275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 052729
Project: Greenway Trail - A8050-06-03

QC SUMMARY REPORT

Method Blank

Sample ID **MB-5556** Batch ID: **5556** Test Name **ICP METALS** Units **mg/Kg** Analysis Date: **8/29/01** Prep Date: **8/28/01**

MBLK SeqNo: **178554**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.25		0				0			
Arsenic	ND	0.25		0				0			
Barium	ND	0.15		0				0			
Beryllium	ND	0.15		0				0			
Cadmium	ND	0.15		0				0			
Chromium	ND	0.15		0				0			
Cobalt	ND	0.15		0				0			
Copper	ND	0.15		0				0			
Lead	ND	0.25		0				0			
Molybdenum	ND	0.25		0				0			
Nickel	ND	0.15		0				0			
Selenium	ND	0.25		0				0			
Silver	ND	0.15		0				0			
Thallium	ND	0.25		0				0			
Vanadium	ND	0.15		0				0			
Zinc	ND	0.50		0				0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: ____

All calculations are based on raw values.

CLIENT: Geocon Environmental
Work Order: 052729
Project: Greenway Trail - A8050-06-03

QC SUMMARY REPORT
Method Blank

Sample ID **MB-5557** Batch ID: **5557** Test Name **ICP METALS** Units **mg/Kg** Analysis Date: **8/29/01** Prep Date: **8/28/01**

MBLK SeqNo: **178700**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.25		0				0			
Arsenic	ND	0.25		0				0			
Barium	ND	0.15		0				0			
Beryllium	ND	0.15		0				0			
Cadmium	ND	0.15		0				0			
Chromium	ND	0.15		0				0			
Cobalt	ND	0.15		0				0			
Copper	ND	0.15		0				0			
Lead	ND	0.25		0				0			
Molybdenum	ND	0.25		0				0			
Nickel	ND	0.15		0				0			
Selenium	ND	0.25		0				0			
Silver	ND	0.15		0				0			
Thallium	ND	0.25		0				0			
Vanadium	ND	0.15		0				0			
Zinc	ND	0.50		0				0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

All calculations are based on raw values.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 052729
Project: Greenway Trail - A8050-06-03

QC SUMMARY REPORT

Method Blank

Sample ID **MB-5560** Batch ID: **5560** Test Name **ICP METALS** Units **mg/Kg** Analysis Date: **8/30/01** Prep Date: **8/28/01**

MBLK SeqNo: **179132**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.25		0				0			
Arsenic	ND	0.25		0				0			
Barium	ND	0.15		0				0			
Beryllium	ND	0.15		0				0			
Cadmium	ND	0.15		0				0			
Chromium	ND	0.15		0				0			
Cobalt	ND	0.15		0				0			
Copper	ND	0.15		0				0			
Lead	ND	0.25		0				0			
Molybdenum	ND	0.25		0				0			
Nickel	ND	0.15		0				0			
Selenium	ND	0.25		0				0			
Silver	ND	0.15		0				0			
Thallium	ND	0.25		0				0			
Vanadium	ND	0.15		0				0			
Zinc	ND	0.50		0				0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: [illegible]

All calculations are based on raw values.

CLIENT: Geocon Environmental
Work Order: 052729
Project: Greenway Trail - A8050-06-03

QC SUMMARY REPORT

Method Blank

Sample ID **MB-5862** Batch ID: **5862** Test Name **ICP METALS** Units **mg/Kg** Analysis Date: **9/26/01** Prep Date: **9/26/01**

MBLK SeqNo: **188390**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.25		0				0			
Arsenic	ND	0.25		0				0			
Barium	ND	0.15		0				0			
Beryllium	ND	0.15		0				0			
Cadmium	ND	0.15		0				0			
Chromium	ND	0.15		0				0			
Cobalt	ND	0.15		0				0			
Copper	ND	0.15		0				0			
Lead	ND	0.25		0				0			
Molybdenum	ND	0.25		0				0			
Nickel	ND	0.15		0				0			
Selenium	ND	0.25		0				0			
Silver	ND	0.15		0				0			
Thallium	ND	0.25		0				0			
Vanadium	ND	0.15		0				0			
Zinc	ND	0.50		0				0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

All calculations are based on raw values.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *26-Sep-01*

CLIENT: Geocon Environmental
Work Order: 052729
Project: Greenway Trail - A8050-06-03

QC SUMMARY REPORT
Sample Matrix Spike

Sample ID **052729-024AMS** Batch ID: **5555** Test Name **ICP METALS** Units **mg/Kg** Analysis Date: **8/28/01** Prep Date: **8/28/01**

MS SeqNo: **178169**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	96	0.25	125	0.5	76	32	115	0			
Arsenic	170	0.25	125	44	98	59	111	0			
Barium	180	0.15	125	62	94	34	151	0			
Beryllium	110	0.15	125	0	92	56	112	0			
Cadmium	100	0.15	125	0	84	52	120	0			
Chromium	130	0.15	125	26	87	56	118	0			
Cobalt	110	0.15	125	3.5	87	58	117	0			
Copper	130	0.15	125	12	95	58	134	0			
Lead	130	0.25	125	20	84	47	128	0			
Molybdenum	110	0.25	125	0.5	91	56	115	0			
Nickel	120	0.15	125	6.5	87	52	120	0			
Selenium	110	0.25	125	0	89	46	108	0			
Silver	110	0.15	125	0	90	74	117	0			
Thallium	110	0.25	125	1	87	62	117	0			
Vanadium	190	0.15	125	79	90	55	122	0			
Zinc	180	0.50	125	64	92	43	134	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

All calculations are based on raw values.

CLIENT: Geocon Environmental
Work Order: 052729
Project: Greenway Trail - A8050-06-03

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID **052729-024AMS** Batch ID: **5555** Test Name **ICP METALS** Units **mg/Kg** Analysis Date: **8/28/01** Prep Date: **8/28/01**

MSD SeqNo: **178171**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	75	0.25	125	0.5	60	32	115	96	25	20	R
Arsenic	130	0.25	125	44	70	59	111	170	25	20	R
Barium	220	0.15	125	62	130	34	151	180	20	20	
Beryllium	94	0.15	125	0	75	56	112	110	20	20	
Cadmium	82	0.15	125	0	65	52	120	100	24	20	R
Chromium	160	0.15	125	26	109	56	118	130	17	20	
Cobalt	88	0.15	125	3.5	67	58	117	110	24	20	R
Copper	110	0.15	125	12	77	58	134	130	17	20	
Lead	95	0.25	125	20	60	47	128	130	28	20	R
Molybdenum	96	0.25	125	0.5	76	56	115	110	18	20	
Nickel	90	0.15	125	6.5	67	52	120	120	24	20	R
Selenium	94	0.25	125	0	76	46	108	110	17	20	
Silver	96	0.15	125	0	76	74	117	110	15	20	
Thallium	89	0.25	125	1	70	62	117	110	21	20	R
Vanadium	200	0.15	125	79	100	55	122	190	5	20	
Zinc	140	0.50	125	64	58	43	134	180	24	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

All calculations are based on raw values.

Anatech Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4046

CLIENT: Geocon Environmental
Work Order: 052729
Project: Greenway Trail - A8050-06-03

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID **052729-054AMS** Batch ID: **5556** Test Name **ICP METALS** Units **mg/Kg** Analysis Date: **8/29/01** Prep Date: **8/28/01**

MS SeqNo: **178576**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	78	0.25	125	0.4	62	32	115	0			
Arsenic	120	0.25	125	15	87	59	111	0			
Barium	250	0.15	125	150	82	34	151	0			
Beryllium	110	0.15	125	0	90	56	112	0			
Cadmium	100	0.15	125	0	82	52	120	0			
Chromium	130	0.15	125	18	86	56	118	0			
Cobalt	110	0.15	125	8.5	83	58	117	0			
Copper	140	0.15	125	22	91	58	134	0			
Lead	110	0.25	125	6.5	84	47	128	0			
Molybdenum	110	0.25	125	2	86	56	115	0			
Nickel	120	0.15	125	22	80	52	120	0			
Selenium	110	0.25	125	0	87	46	108	0			
Silver	110	0.15	125	0.03	88	74	117	0			
Thallium	110	0.25	125	1	84	62	117	0			
Vanadium	150	0.15	125	42	89	55	122	0			
Zinc	180	0.50	125	74	88	43	134	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

All calculations are based on raw values.

CLIENT: Geocon Environmental
Work Order: 052729
Project: Greenway Trail - A8050-06-03

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID **052729-054AMS** Batch ID: **5556** Test Name **ICP METALS** Units **mg/Kg** Analysis Date: **8/29/01** Prep Date: **8/28/01**

MSD SeqNo: **178577**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	82	0.25	125	0.4	65	32	115	78	4	20	
Arsenic	120	0.25	125	15	87	59	111	120	3	20	
Barium	240	0.15	125	150	76	34	151	250	5	20	
Beryllium	110	0.15	125	0	90	56	112	110	2	20	
Cadmium	100	0.15	125	0	83	52	120	100	3	20	
Chromium	130	0.15	125	18	86	56	118	130	3	20	
Cobalt	110	0.15	125	8.5	84	58	117	110	2	20	
Copper	140	0.15	125	22	91	58	134	140	3	20	
Lead	110	0.25	125	6.5	85	47	128	110	2	20	
Molybdenum	110	0.25	125	2	87	56	115	110	0	20	
Nickel	120	0.15	125	22	81	52	120	120	2	20	
Selenium	110	0.25	125	0	88	46	108	110	1	20	
Silver	110	0.15	125	0.03	88	74	117	110	0	20	
Thallium	110	0.25	125	1	86	62	117	110	3	20	
Vanadium	150	0.15	125	42	87	55	122	150	2	20	
Zinc	170	0.50	125	74	80	43	134	180	8	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

All calculations are based on raw values.

Chemical Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 052729
Project: Greenway Trail - A8050-06-03

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID **052729-082AMS** Batch ID: **5557** Test Name **ICP METALS** Units **mg/Kg** Analysis Date: **8/29/01** Prep Date: **8/28/01**

MS SeqNo: **178722**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	72	0.25	125	0.32	57	32	115	0			
Arsenic	140	0.25	125	28	89	59	111	0			
Barium	250	0.15	125	130	93	34	151	0			
Beryllium	110	0.15	125	0	85	56	112	0			
Cadmium	98	0.15	125	0	78	52	120	0			
Chromium	120	0.15	125	18	85	56	118	0			
Cobalt	110	0.15	125	7.5	81	58	117	0			
Copper	130	0.15	125	18	90	58	134	0			
Lead	110	0.25	125	3.5	82	47	128	0			
Molybdenum	100	0.25	125	1.5	81	56	115	0			
Nickel	120	0.15	125	18	80	52	120	0			
Selenium	100	0.25	125	0	83	46	108	0			
Silver	100	0.15	125	0	82	74	117	0			
Thallium	100	0.25	125	0.5	82	62	117	0			
Vanadium	150	0.15	125	38	92	55	122	0			
Zinc	160	0.50	125	57	82	43	134	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

All calculations are based on raw values.

CLIENT: Geocon Environmental
Work Order: 052729
Project: Greenway Trail - A8050-06-03

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID **052729-082AMS** Batch ID: **5557** Test Name **ICP METALS** Units **mg/Kg** Analysis Date: **8/29/01** Prep Date: **8/28/01**

MSD SeqNo: **178723**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	75	0.25	125	0.32	60	32	115	72	4	20	
Arsenic	140	0.25	125	28	88	59	111	140	1	20	
Barium	240	0.15	125	130	87	34	151	250	2	20	
Beryllium	110	0.15	125	0	85	56	112	110	4	20	
Cadmium	98	0.15	125	0	79	52	120	98	1	20	
Chromium	120	0.15	125	18	84	56	118	120	3	20	
Cobalt	110	0.15	125	7.5	81	58	117	110	1	20	
Copper	130	0.15	125	18	90	58	134	130	0	20	
Lead	110	0.25	125	3.5	82	47	128	110	4	20	
Molybdenum	100	0.25	125	1.5	82	56	115	100	3	20	
Nickel	120	0.15	125	18	80	52	120	120	1	20	
Selenium	100	0.25	125	0	83	46	108	100	3	20	
Silver	100	0.15	125	0	82	74	117	100	2	20	
Thallium	100	0.25	125	0.5	82	62	117	100	2	20	
Vanadium	150	0.15	125	38	90	55	122	150	2	20	
Zinc	160	0.50	125	57	81	43	134	160	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

All calculations are based on raw values.

Advanced Technology Laboratories
3775 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 052729
Project: Greenway Trail - A8050-06-03

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID **052729-085AMS** Batch ID: **5560** Test Name **ICP METALS** Units **mg/Kg** Analysis Date: **8/30/01** Prep Date: **8/28/01**

MS SeqNo: **179138**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	100	0.25	125	0.28	81	32	115	0			
Arsenic	140	0.25	125	26	92	59	111	0			
Barium	160	0.15	125	44	92	34	151	0			
Beryllium	120	0.15	125	0	94	56	112	0			
Cadmium	110	0.15	125	0	87	52	120	0			
Chromium	120	0.15	125	8	92	56	118	0			
Cobalt	120	0.15	125	4	89	58	117	0			
Copper	130	0.15	125	7.5	97	58	134	0			
Lead	110	0.25	125	2.5	89	47	128	0			
Molybdenum	120	0.25	125	0.44	93	56	115	0			
Nickel	120	0.15	125	6.5	89	52	120	0			
Selenium	110	0.25	125	0	90	46	108	0			
Silver	110	0.15	125	0	89	74	117	0			
Thallium	110	0.25	125	0.5	90	62	117	0			
Vanadium	140	0.15	125	18	100	55	122	0			
Zinc	300	0.50	125	220	62	43	134	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

All calculations are based on raw values.

CLIENT: Geocon Environmental
Work Order: 052729
Project: Greenway Trail - A8050-06-03

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID **052729-085AMS** Batch ID: **5560** Test Name **ICP METALS** Units **mg/Kg** Analysis Date: **8/30/01** Prep Date: **8/28/01**

MSD SeqNo: **179139**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	110	0.25	125	0.28	86	32	115	100	8	20	
Arsenic	150	0.25	125	26	97	59	111	140	6	20	
Barium	160	0.15	125	44	94	34	151	160	1	20	
Beryllium	120	0.15	125	0	99	56	112	120	2	20	
Cadmium	110	0.15	125	0	91	52	120	110	1	20	
Chromium	130	0.15	125	8	97	56	118	120	6	20	
Cobalt	120	0.15	125	4	94	58	117	120	4	20	
Copper	130	0.15	125	7.5	101	58	134	130	1	20	
Lead	120	0.25	125	2.5	94	47	128	110	5	20	
Molybdenum	120	0.25	125	0.44	98	56	115	120	3	20	
Nickel	120	0.15	125	6.5	94	52	120	120	2	20	
Selenium	120	0.25	125	0	94	46	108	110	6	20	
Silver	120	0.15	125	0	93	74	117	110	7	20	
Thallium	120	0.25	125	0.5	93	62	117	110	6	20	
Vanadium	150	0.15	125	18	105	55	122	140	5	20	
Zinc	290	0.50	125	220	59	43	134	300	2	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

All calculations are based on raw values.

Advanced Technical Laboratories
3375 Walnut Avenue Signal Hill CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 052729
Project: Greenway Trail - A8050-06-03

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID **053157-001AMS** Batch ID: **5862** Test Name **ICP METALS** Units **mg/Kg** Analysis Date: **9/26/01** Prep Date: **9/26/01**

MS SeqNo: **188398**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	67	0.25	125	0.46	53	32	115	0			
Arsenic	120	0.25	125	12	85	59	111	0			
Barium	290	0.15	125	180	85	34	151	0			
Beryllium	110	0.15	125	0	87	56	112	0			
Cadmium	99	0.15	125	0	79	52	120	0			
Chromium	130	0.15	125	24	87	56	118	0			
Cobalt	120	0.15	125	9.5	87	58	117	0			
Copper	150	0.15	125	22	102	58	134	0			
Lead	120	0.25	125	6	90	47	128	0			
Molybdenum	100	0.25	125	0.5	84	56	115	0			
Nickel	120	0.15	125	18	85	52	120	0			
Selenium	100	0.25	125	0	83	46	108	0			
Silver	120	0.15	125	0	93	74	117	0			
Thallium	110	0.25	125	0	88	62	117	0			
Vanadium	140	0.15	125	38	85	55	122	0			
Zinc	150	0.50	125	54	80	43	134	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

All calculations are based on raw values.

CLIENT: Geocon Environmental
Work Order: 052729
Project: Greenway Trail - A8050-06-03

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID **053157-001AMS** Batch ID: **5862** Test Name **ICP METALS** Units **mg/Kg** Analysis Date: **9/26/01** Prep Date: **9/26/01**

MSD SeqNo: **188399**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	64	0.25	125	0.46	51	32	115	67	5	20	
Arsenic	120	0.25	125	12	90	59	111	120	2	20	
Barium	330	0.15	125	180	120	34	151	290	14	20	
Beryllium	110	0.15	125	0	90	56	112	110	1	20	
Cadmium	100	0.15	125	0	81	52	120	99	1	20	
Chromium	140	0.15	125	24	94	56	118	130	5	20	
Cobalt	120	0.15	125	9.5	91	58	117	120	2	20	
Copper	160	0.15	125	22	111	58	134	150	7	20	
Lead	120	0.25	125	6	94	47	128	120	1	20	
Molybdenum	110	0.25	125	0.5	86	56	115	100	5	20	
Nickel	130	0.15	125	18	91	52	120	120	4	20	
Selenium	110	0.25	125	0	85	46	108	100	6	20	
Silver	120	0.15	125	0	96	74	117	120	3	20	
Thallium	110	0.25	125	0	92	62	117	110	0	20	
Vanadium	160	0.15	125	38	96	55	122	140	10	20	
Zinc	160	0.50	125	54	89	43	134	150	4	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

All calculations are based on raw values.

Advanced Technology Laboratory
3275 Walnut Avenue Signal Hill CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *26-Sep-01*

CLIENT: Geocon Environmental
Work Order: 052729
Project: Greenway Trail - A8050-06-03

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID **LCS-5555** Batch ID: **5555** Test Name **ICP METALS** Units **mg/Kg** Analysis Date: **8/28/01** Prep Date: **8/28/01**

LCS SeqNo: **178143**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	52	0.25	50	0	104	80	120	0			
Arsenic	50	0.25	50	0	99	80	120	0			
Barium	50	0.15	50	0	99	80	120	0			
Beryllium	50	0.15	50	0	99	80	120	0			
Cadmium	48	0.15	50	0	95	80	120	0			
Chromium	48	0.15	50	0	96	80	120	0			
Cobalt	48	0.15	50	0	96	80	120	0			
Copper	48	0.15	50	0	97	80	120	0			
Lead	46	0.25	50	0	91	80	120	0			
Molybdenum	50	0.25	50	0	99	80	120	0			
Nickel	46	0.15	50	0	92	80	120	0			
Selenium	46	0.25	50	0	93	80	120	0			
Silver	41	0.15	50	0	82	80	120	0			
Thallium	48	0.25	50	0.17	95	80	120	0			
Vanadium	49	0.15	50	0	98	80	120	0			
Zinc	47	0.50	50	0.037	94	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

All calculations are based on raw values.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 052729
Project: Greenway Trail - A8050-06-03

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID **LCS-5556** Batch ID: **5556** Test Name **ICP METALS** Units **mg/Kg** Analysis Date: **8/29/01** Prep Date: **8/28/01**

LCS SeqNo: **178555**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	53	0.25	50	0	106	80	120	0			
Arsenic	50	0.25	50	0	100	80	120	0			
Barium	52	0.15	50	0.0045	104	80	120	0			
Beryllium	50	0.15	50	0.0045	101	80	120	0			
Cadmium	48	0.15	50	0	97	80	120	0			
Chromium	50	0.15	50	0	99	80	120	0			
Cobalt	48	0.15	50	0	97	80	120	0			
Copper	50	0.15	50	0	99	80	120	0			
Lead	48	0.25	50	0	95	80	120	0			
Molybdenum	50	0.25	50	0.0085	100	80	120	0			
Nickel	46	0.15	50	0	93	80	120	0			
Selenium	48	0.25	50	0	96	80	120	0			
Silver	42	0.15	50	0.03	83	80	120	0			
Thallium	48	0.25	50	0	97	80	120	0			
Vanadium	49	0.15	50	0.01	98	80	120	0			
Zinc	49	0.50	50	0.11	98	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

All calculations are based on raw values.

CLIENT: Geocon Environmental
Work Order: 052729
Project: Greenway Trail - A8050-06-03

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID **LCS-5557** Batch ID: **5557** Test Name **ICP METALS** Units **mg/Kg** Analysis Date: **8/29/01** Prep Date: **8/28/01**

LCS SeqNo: **178701**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	54	0.25	50	0	109	80	120	0			
Arsenic	52	0.25	50	0	104	80	120	0			
Barium	51	0.15	50	0	102	80	120	0			
Beryllium	50	0.15	50	0.012	100	80	120	0			
Cadmium	49	0.15	50	0	98	80	120	0			
Chromium	49	0.15	50	0	97	80	120	0			
Cobalt	49	0.15	50	0.011	98	80	120	0			
Copper	49	0.15	50	0.057	98	80	120	0			
Lead	48	0.25	50	0	97	80	120	0			
Molybdenum	50	0.25	50	0	100	80	120	0			
Nickel	47	0.15	50	0.042	95	80	120	0			
Selenium	49	0.25	50	0	99	80	120	0			
Silver	42	0.15	50	0.024	84	80	120	0			
Thallium	50	0.25	50	0.0095	99	80	120	0			
Vanadium	50	0.15	50	0	100	80	120	0			
Zinc	50	0.50	50	0.11	99	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: [illegible]

All calculations are based on raw values.

3275 Walnut Avenue Signal Hill CA 90807 Tel: 562 989-0045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 052729
Project: Greenway Trail - A8050-06-03

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID **LCS-5560** Batch ID: **5560** Test Name **ICP METALS** Units **mg/Kg** Analysis Date: **8/30/01** Prep Date: **8/28/01**

LCS SeqNo: **179133**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	56	0.25	50	0	111	80	120	0			
Arsenic	53	0.25	50	0	106	80	120	0			
Barium	50	0.15	50	0.005	101	80	120	0			
Beryllium	51	0.15	50	0	102	80	120	0			
Cadmium	50	0.15	50	0	100	80	120	0			
Chromium	50	0.15	50	0	100	80	120	0			
Cobalt	50	0.15	50	0	101	80	120	0			
Copper	50	0.15	50	0	101	80	120	0			
Lead	49	0.25	50	0	98	80	120	0			
Molybdenum	51	0.25	50	0.015	102	80	120	0			
Nickel	49	0.15	50	0	98	80	120	0			
Selenium	50	0.25	50	0	101	80	120	0			
Silver	44	0.15	50	0	87	80	120	0			
Thallium	50	0.25	50	0	100	80	120	0			
Vanadium	52	0.15	50	0	103	80	120	0			
Zinc	50	0.50	50	0	101	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

All calculations are based on raw values.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 052729
Project: Greenway Trail - A8050-06-03

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID **LCS-5862** Batch ID: **5862** Test Name **ICP METALS** Units **mg/Kg** Analysis Date: **9/26/01** Prep Date: **9/26/01**

LCS SeqNo: **188391**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	46	0.25	50	0	93	80	120	0			
Arsenic	46	0.25	50	0	93	80	120	0			
Barium	48	0.15	50	0	95	80	120	0			
Beryllium	47	0.15	50	0	94	80	120	0			
Cadmium	46	0.15	50	0	91	80	120	0			
Chromium	46	0.15	50	0	93	80	120	0			
Cobalt	46	0.15	50	0	93	80	120	0			
Copper	50	0.15	50	0	99	80	120	0			
Lead	47	0.25	50	0	94	80	120	0			
Molybdenum	48	0.25	50	0.11	95	80	120	0			
Nickel	46	0.15	50	0.042	93	80	120	0			
Selenium	45	0.25	50	0	90	80	120	0			
Silver	47	0.15	50	0	94	80	120	0			
Thallium	48	0.25	50	0.19	95	80	120	0			
Vanadium	46	0.15	50	0	93	80	120	0			
Zinc	46	0.50	50	0	91	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

All calculations are based on raw values.

Diane

From: John Juhrend [juhrend@geoconinc.com]
Sent: Wednesday, September 26, 2001 12:57 PM
To: Diane Galvan
Subject: FW: Greenway Trail 52729

Diane -

Last request for this project I think! Please include a material description
for all samples - including paint chip, soil and gravel ballast. If it is
easier to overnight all the samples back to me for tomorrow morning delivery
thats OK too? Let me know, Thanks,

John

-----Original Message-----
From: John Juhrend [mailto:juhrend@geoconinc.com]
Sent: Wednesday, September 26, 2001 12:49 PM
To: Diane Galvan
Subject: FW: Greenway Trail 52729

Diane -

Per our conversation, please add total iron for the four ballast samples to
be analyzed for metal scans (not including mercury). Please also let me know
when you can send me the sample descriptions. I have to send the analytical
and material descriptions to a landfill later today. Thanks for the help,

John

-----Original Message-----
From: John Juhrend [mailto:juhrend@geoconinc.com]
Sent: Wednesday, September 26, 2001 9:09 AM
To: Diane Galvan
Subject: Greenway Trail 52729

Diane -

I also need to know ASAP the matrix of each sample (gravel or soil)
previously tested for metals scans and which samples were crushed prior to
testing. Please confirm receipt and call with any questions. Thanks,

John

-----Original Message-----
From: John Juhrend [mailto:juhrend@geoconinc.com]
Sent: Tuesday, September 25, 2001 6:30 PM
To: Diane Galvan

Subject: Lab ID 52729 RUSH

Diane -

Please re-analyze the following for metal scans under 48-hr rush (need Thursday afternoon):

ATL 52729 Geocon A8050-06-03

049	T15-.5	CRUSH DARK SLAG ROCK SAMPLE & ANALYZE
051	T16-.5	CRUSH LIGHT SLAG ROCK SAMPLE & ANALYZE
076	T28-.5	CRUSH LIGHT SLAG ROCK SAMPLE & ANALYZE
086	T31 SLAG	CRUSH DARK SLAG ROCK SAMPLE & ANALYZE

The light slag samples should be light grayish gravel size material with rust stained inclusions of iron. The dark slag is heavy dark brown gravel
size material. Please confirm the material type before testing and confirm
receipt of this e-mail. Thanks,

John

John E. Juhrend, PE, CEG
Geocon Consultants, Inc.
11375 Sunrise Park Drive, Suite 100
Rancho Cordova, CA 95742
916.852.9118 Tel
916.852.9132 Fax
juhrend@geoconinc.com

CHAIN OF CUSTODY RECORD

Pg 1 of ___

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ___ Logged By: ___ Date: ___ Time: ___

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☑

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☑ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132
Attn: JOHN JUHREND

Project Name: GREENWAY TRAIL
Project #: A8050-06-03
Sampler: (Printed Name) JOHN JUHREND (Signature)

Relinquished by: (Signature and Printed Name) ___ Date: ___ Time: ___ Received by: (Signature and Printed Name) Golden State Overnight Date: ___ Time: ___
Relinquished by: (Signature and Printed Name) ___ Date: ___ Time: ___ Received by: (Signature and Printed Name) ATL Date: 5/24/01 Time: 14:00
Relinquished by: (Signature and Printed Name) JA Date: 5/24/01 Time: ___ Received by: (Signature and Printed Name) ___ Date: 5/24/01 Time: 5:30 pm

I hereby authorize ATL to perform the work indicated below
Project Mgr /Submitter: JOHN JUHREND 5/23/01
Print Name Date
Signature

Send Report To: Attn: ___ Co: ___ Address: ___ City ___ State ___ Zip ___

Bill To: Attn: ___ Co: ___ Address: ___ City ___ State ___ Zip ___

Special Instructions/Comments: HOMOGENIZE SOIL SAMPLES PRIOR TO METALS ANALYSES

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other ___
☐ Return To: ___
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 525 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPHD (Diesel-GC)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☑ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER ___

TIME	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	SOLID • SOIL • SLUDGE	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	42729-001	T1-.5	5/23/01	0740	X	E	1	BP	C	
	42729-002	T1-1		0745			1	BP		
	42729-003	T1-2		0750			1	BP		
	-004	T2-.5		0800			1	TM		
	-005	T2-1		0805			1	BP		
	-006	T2-2		0810			1	BP		
	-007	T3-.5		0850			1	BP		
	-008	T3-1		0855			1	BP		
	-009	T3-2		0900			1	BP		
	-010	T3-TIE G		0910			1	TM		

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

DIANE - PLEASE CALL JJ FOR LAB ASSIGNMENTS & PROCEDURES

CHAIN OF CUSTODY RECORD

Pg 2 of

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: Time:

Method of Transport: Walk-in ☐ Courier ☐ UPS ☑ FED. EXP. ☐ ATL ☑

Sample Condition Upon Receipt:
1. CHILLED Y ☑ N ☐ 4. SEALED Y ☐ N ☑
2. HEADSPACE (VOA) Y ☐ N ☐ 5. # OF SPLS MATCH COC Y ☑ N ☐
3. CONTAINER INTACT Y ☑ N ☐ 6. PRESERVED Y ☐ N ☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn: John Juhrend
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Greenway Trail
Project #: A8050-06-03
Sampler: (Printed Name) John Juhrend (Signature)

Relinquished by: (Signature and Printed Name) Julie Espinoza Date: Time:
Received by: (Signature and Printed Name) Golden State Overnight Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) ATL Date: 8/24/01 Time: 14:00
Relinquished by: (Signature and Printed Name) JA Date: 8/24/01 Time:
Received by: (Signature and Printed Name) Date: 8/24/01 Time: 5:30pm

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: John Juhrend
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments:
Homogenize soil samples prior to metals analyses

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 / 8240 (Volatiles-GC/MS); 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPHD (Diesel-GC)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER PAINT CHIP

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date (2001)	Time	8081 / 8082	8260 / 8240	8270	Metals-Total	8015M TPHG/BTEX	8015M TPHD	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER PAINT CHIP	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	229-011	SD Box #1	8/23	0925							X						X	E	1	BP	C	
	-012	SD Box #1 Soil		0930							X								1	BP		
	-013	S1-.5		0935															1	BP		
	-014	T4-.5		1000															1	BP		
	-015	T4-1		1005															1	BP		
	-016	T4-2		1010															1	BP		
	-017	S2-.5		1020															1	TM		
	-018	S2-0		1030															1	BP		
	-019	S4-0		1040															1	BP		
	-020	T5-.5		1120															1	BP		

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

CHAIN OF CUSTODY RECORD

Pg 3 of

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: Time:

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☑

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☑ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn: John Juhrend
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Greenway Trail Project #: A8050-06-03 Sampler: (Printed Name) John Juhrend (Signature)

Relinquished by: (Signature and Printed Name) John Alegre Date: Time: Received by: (Signature and Printed Name) Golden State Overnight Date: 8/23/01 Time: 14:00
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) ATL Date: Time:
Relinquished by: (Signature and Printed Name) JA-1 Date 8/24/01 Time: Received by: (Signature and Printed Name) Date: 8/24/01 Time: 5:30pm

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: John Juhrend
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments: Homogenize Soil Samples Prior to metals Analyses

Unless otherwise requested, all samples will be disposed 45 days after receipt

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 5081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 8325 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPHD (Diesel-GC)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description 2001 Sample I.D.	Date	Time	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	-021	T5-1	8/23	1125	X							E	1	BP	C	
	-022	T5-2		1130									1	BP		
	-023	S5-.5		1145									1	TM		
	-024	T6-.5		1200									1	BP		
	-025	T6-1		1205									1	BP		
	-026	T6-2		1210									1	BP		
	-027	S6-.5		1220									1	TM		
	*028	S7-.5		1215									1	TM		
	-029	RET WALL #1		1345							X		1	BP		
	-030	RET WALL #1 SOIL		1350									1	BP		

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=Zn(AC)$_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Pg 4 of

Advanced Technology Laboratories

1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: Time:

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn: John Juhrend
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Greenway Trail
Project #: A8050-06-03
Sampler: John Juhrend (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Julio A. Esquivel Date: Time:
Received by: (Signature and Printed Name) Soil in Site Overnight Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: 8/24/01 Time: 4:00
Relinquished by: (Signature and Printed Name) JA Date 8/24/01 Time:
Received by: (Signature and Printed Name) Date: 8/24/01 Time: 5:20 pm

I hereby authorize ATL to perform the work indicated below
Project Mgr /Submitter: John Juhrend
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments: Homogenize Soil Samples Prior to metals Analyses

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC 6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPHO (Diesel-GC)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description 2001 Sample I.D.	Date	Time	SOLID • SOIL • SLUDGE	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	-031	T7-.5	8/23	1355	X	E	1	BP	C	
	-032	T7-1		1400			1	BP	C	
	-033	T7-2		1405			1	BP	C	
	-034	T7-TIE		1410			1	TM		
	-035	T8-1		1420			1	TM		
	-036	T8-5.5		1450			1	TM		
	-037	T8-5.5		1455			1	TM		
	-038	T8-7		1500			1	TM		
	-039	T9-1		1530			1	TM		
	-040	T10-1		1640			1	TM		

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: Time:

Method of Transport: Walk-In ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Attn: John Juhrend

Project Name: Greenway Trail
Project #: A8050-06-03
Sampler: (Printed Name) John Juhrend (Signature)

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Golden State Overnight Date: Time:

Relinquished by: (Signature and Printed Name) Tito A. Espinal Date: Time:
Received by: (Signature and Printed Name) ATL Date: 8/24/01 Time: 14:00

Relinquished by: (Signature and Printed Name) Date: 8/24/01 Time:
Received by: (Signature and Printed Name) Date: 8/24/01 Time: 5:30 pm

I hereby authorize ATL to perform the work indicated below
Project Mgr /Submitter: John Juhrend
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments: Homogenize Soil Samples Prior to Metal Analyses

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-5010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPHD (Diesel-GC)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER Sludge

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER Sludge	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
-041	TS8-0	8/23	1645	X						X	E	1	TM	C	
-042	TI1-2		1700									1	TM		
-043	TR-.5		1730									1	BP		
-044	TR-1		1735									1	BP		
-045	TR-2		1740									1	BP		
-046	TS9-0		1800									1	TM		
-047	TI3-2		1825									1	TM		
-048	TI4-1		1900									1	TM		
-049	TI5-.5		1905									2	BO		1 BAG [illegible] 10AC SOIL
-050	TI5-1		1910									1	BP		

- TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

CHAIN OF CUSTODY RECORD

Pg 6 of

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: Time:

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☑

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☑ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn: John Juhrend
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Greenway Trail
Project #: A8050.06-03
Sampler: (Printed Name) John Juhrend (Signature)

Relinquished by: (Signature and Printed Name) Julie Alegquire Date: Time:
Received by: (Signature and Printed Name) Galdre State Overnight Date: 8/24/01 Time: 14:00

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) JA Date: 8/24/01 Time:
Received by: (Signature and Printed Name) Date: 8/24/01 Time: 5:30 pm

I hereby authorize ATL to perform the work indicated below.
Project Mgr./Submitter: John Juhrend
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
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Co:
Address
City State Zip

Special Instructions/Comments: Homogenize Soil Samples Prior to Metal Analysis

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPHD (Diesel-GC)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	SOLID • SOIL • SLUDGE	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	-051	T15-2	8/23	1915	X	E	1	B	C	
	-052	T16-.5		1920			1	B		
	-053	T16-1		1925			1	B		
	-054	T16-2		1930			1	B		
	-055	T17-1.5	8/24	0700			1	T	M	
	-056	T18-1		0730			1	T	M	
	-057	T19-.5		0750			1	B	P	
	-058	T19-1		0755			1	B	P	
	-059	T19-2		0800			1	B	P	
	-060	T20-2		0810			1	T	M	

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=Zn(AC)$_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

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1. CHILLED Y☐ N☑ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132
Attn: John Juhrend

Project Name: Greenway Trail
Project #: A8050-06-03
Sampler: John Juhrend (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) John Juhrend Date: Time:
Received by: (Signature and Printed Name) Gotchert Starlight ATL Date: 8/24/01 Time: 14:00
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: 8/24/01 Time: 5:30 pm
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☐ Other
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* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 2051 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPHD (Diesel-GC)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER ___

TIME	LAB USE ONLY: Batch #: Lab No.	Sample Description 2001: Sample I.D.	Date	Time	SOLID	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	-061	T21-1	8/23	0820	X	E	1	T	M	C
	-062	T22-2		0830			1	T	M	
	-063	T23-1		0840			1	T	M	
	-064	T24-.5		0915			1	B	P	
	-065	T24-1		0920			1	B	P	
	-066	T24-2		0925			1	B	P	
	-067	S9-0		1000			1	B	P	
	-068	S10-0		1010			1	B	P	
	-069	T25-.5		1030			1	B	P	
	-070	T25-1		1035			1	B	P	

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

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Logged By: Date: Time:

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Attn: John Johnrend

Project Name: Greenway Trail
Project #: A8050-06-03
Sampler: John Johnrend (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Golden State Overnight Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) ATL Date: 8/23/01 Time: 4:00
Relinquished by: (Signature and Printed Name) Date: 8/24/01 Time: Received by: (Signature and Printed Name) Date: 8/24/01 Time: 5:20pm

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: John Johnrend
Print Name Date
Signature

Send Report To: Attn: Co: Address: City State Zip

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Special Instructions/Comments: Homogenize Soil Samples Prior to metals Analyses

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPHD (Diesel-GC)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☒ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

LAB USE ONLY: Batch #:

Sample Description 2001

ITEM	Lab No.	Sample I.D.	Date	Time	SOLID • SOIL • SLUDGE	TAT	#	Container(s) Type	PRESERVATION	REMARKS
	-071	T25-2	8/23	1040	X	E	1	BP	L	
	-072	T26-.5		1100			1	BP		
	-073	T26-1		1105			1	BP		
	-074	T26-2		1110			1	BP		
	-075	T27-1		1130			1	TM		
	-076	T28-.5		1210			1	BP		
	-077	T28-1		1215			1	BP		
	-078	T28-2		1220			1	BP		
	-079	T29-1		1250			1	TM		
	-080	T30-.5		1330			1	BP		

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

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Logged By: Date: Time:

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☒ N☐
3. CONTAINER INTACT Y☒ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn: John Juhrend
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Greenway Trail
Project #: A8050-06-03
Sampler: (Printed Name) John Juhrend (Signature)

Relinquished by: (Signature and Printed Name) Julio A. E. Squivel Date: Time: Received by: (Signature and Printed Name) Golden State Overnight Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: 8/24/01 Time: 1400
Relinquished by: (Signature and Printed Name) JA 8/24/01 Date: Time: Received by: (Signature and Printed Name) Date: 8/24/01 Time: 5:30 p.m.

I hereby authorize ATL to perform the work indicated below.
Project Mgr /Submitter: John Juhrend
Print Name Date
Signature

Send Report To:
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City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments: Homogenize Soil Samples Prior to Metals Analyses

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCBs-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC 6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPHD (Diesel-GC)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☒ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description 2001 Sample I.D.	Date	Time	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	-081	T30-1	8/23	1335	E	1	BP	C	
	082	T30-2		1340		1	BP		
	-083	T31-.5		1315		1	BP		
	-084	T31-1		1350		1	BP		
	085	T31-2		1355		1	BP		
	-086	T31-SLAG		1400		1	BP		
	~~-087~~								
	~~-088~~								
	~~-089~~								
	~~-090~~								

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report. Yellow to folder. Pink to submitter.

Client: Geocon Environmental
Attn: John Juhrend

Client's Project: Greenway Trail, A8050-06-03

Date Received: 08/24/01
Date Sampled: 08/23/01

Lab No.	Sample I.D.	Sample Description
052729-001A	T1-.5	Gravel with Light Slag
052729-002A	T1-1	Soil
052729-003A	T1-2	Soil
052729-005A	T2-1	Soil
052729-006A	T2-2	Soil
052729-007A	T3-.5	Gravel with Light Slags
052729-008A	T3-1	Soil (wet)
052729-009A	T3-2	Soil
052729-011A	SD Box #1	Paint Chips
052729-012A	SD Box #1 Soil	Soil
052729-014A	T4-.5	Gravel with Light Slag
052729-015A	T4-1	Soil
052729-016A	T4-2	Soil
052729-018A	S3-0	Soil and Gravel
052729-019A	S4-0	Soil and Gravel
052729-020A	T5-.5	Gravel
052729-021A	T5-1	Soil
052729-022A	T5-2	Soil
052729-024A	T6-.5	Soil and Gravel
052729-025A	T6-1	Soil

Client: Geocon Environmental
Attn: John Juhrend

Client's Project: Greenway Trail, A8050-06-03

Date Received: 08/24/01
Date Sampled: 08/23/01

Lab No.	Sample I.D.	Sample Description
052729-026A	T6-2	Soil
052729-029A	RET WALL #1	Paint Chips
052729-030A	RET WALL #1 Soil	Soil
052729-031A	T7-.5	Gravel with Light Slag
052729-032A	T7-1	Soil
052729-033A	T7-2	Soil
052729-043A	T12-.5	Dark Slags
052729-044A	T12-1	Soil
052729-045A	T12-2	Soil
052729-049A (1 of	T15-.5	Dark Slag
052729-049A (2 of	T15-.5	Soil and Dark Slag
052729-050A	T15-1	Soil
052729-051A	T15-2	Soil
052729-052A	T16-.5	Light Slag
052729-053A	T16-1	Soil
052729-054A	T16-2	Soil
052729-057A	T19-.5	Gravel
052729-058A	T19-1	Gravel
052729-059A	T19-2	Soil
052729-063A	T23-1	Gravel with Dark Slags

Client: Geocon Environmental
Attn: John Juhrend

Client's Project: Greenway Trail, A8050-06-03

Date Received: 08/24/01
Date Sampled: 08/23/01

Lab No.	Sample I.D.	Sample Description
052729-064A	T24-.5	Gravel and Dark Slags (small)
052729-065A	T24-1	Soil
052729-066A	T24-2	Soil
052729-067A	S9-0	Soil
052729-068A	S10-0	Soil
052729-069A	T25-.5	Gravel with Dark Slag
052729-070A	T25-1	Soil and Gravel
052729-071A	T25-2	Soil
052729-072A	T26-.5	Gravel with Light Slags
052729-073A	T26-1	Soil
052729-074A	T26-2	Soil
052729-076A	T28-.5	Soil, Gravel and Light Slag
052729-077A	T28-1	Soil
052729-078A	T28-2	Soil
052729-080A	T30-.5	Soil and Gravel
052729-081A	T30-1	Soil
052729-082A	T30-2	Soil
052729-084A	T31-1	Soil and Gravel
052729-085A	T31-2	Soil/Clay
052729-086A	T31-SLAG	Dark Slag

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Greenway Trail Project
Whittier, California

PREPARED FOR:

HYDE MILLER OWEN & TROST
REPRESENTING THE CITY OF WHITTIER

PREPARED BY:

GEOCON CONSULTANTS, INC.
11375 SUNRISE PARK DRIVE, SUITE 100
RANCHO CORDOVA, CALIFORNIA

GEOCON

GEOCON PROJECT NO. A8050-06-03

OCTOBER 2001

GEOCON
CONSULTANTS, INC.
ENVIRONMENTAL ■ GEOTECHNICAL ■ MATERIALS

Project No. A8050-06-03
October 11, 2001

Mr. Kirk E. Trost
Hyde, Miller, Owen & Trost
428 J Street, Suite 400
Sacramento, California 95814

Subject: GREENWAY TRAIL PROJECT
ABANDONED UNION PACIFIC RAILROAD CORRIDOR
WHITTIER, CALIFORNIA
PHASE II ENVIRONMENTAL SITE ASSESSMENT

Dear Mr. Trost:

In accordance with the *Agreement for Professional Services* dated July 27, 2001, Geocon Consultants, Inc. has performed a Phase II Environmental Site Assessment of the subject site. The *Site* consists of a 5.2-mile long abandoned Union Pacific railroad corridor located in Whittier, California. The *Site* is currently being evaluated for purchase by the City of Whittier for potential redevelopment as a pedestrian trail and community park system.

The accompanying report summarizes the services performed by Geocon including the performance of asbestos and lead-based paint surveys of four railroad bridge structures located within the *Site*, the excavation of 31 shallow exploratory trenches, surficial soil sampling and analytical testing.

If there are any questions concerning the contents of this report, or if Geocon may be of further service, please contact the undersigned at your convenience.

Sincerely,

GEOCON CONSULTANTS, INC.

REGISTERED PROFESSIONAL ENGINEER
JOHN JUHREND
No. 46681
Exp. 06/30/03
CIVIL
STATE OF CALIFORNIA

John E. Juhrend, PE, CEG
Project Manager

Richard W. Day, CEG, CHG
Senior Geologist

JEJ:RWD:sd

(13) Addressee

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- A. 1918 Right of Way and Track Maps
- B. Asbestos and Lead-Containing Paint Bridge Survey Report
- C. Analytical Laboratory Reports and Chain-of-Custody Documentation

LIST OF ACRONYMS

AST	Aboveground Storage Tank
ATL	Advanced Technology Laboratories
bgs	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene and Total Xylenes
CCR	California Code of Regulations
CEG	Certified Engineering Geologist
CHG	Certified Hydro Geologist
DI-WET	Waste Extraction Test using Deionized Water
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
GPS	Global Positioning System
HMO&T	Hyde Miller Owen & Trost
HSC	Health and Safety Code
LA & SL	Los Angeles & Salt Lake Railroad
MP	Mile Post
mg/kg	milligrams per kilogram
mg/l	milligrams per liter
µg/kg	micrograms per kilogram
PCBs	Polychlorinated Biphenyls
PE	Professional Engineer
PRGs	Preliminary Remediation Goals
QA/QC	Quality Assurance/Quality Control
RECs	Recognized Environmental Conditions
ROW	Right of Way
SP	Southern Pacific Railroad
STLC	Soluble Threshold Limit Concentration
SVOCs	Semi-Volatile Organic Compounds
TPHd	Total Petroleum Hydrocarbons - diesel
TPHg	Total Petroleum Hydrocarbons - gasoline
TPHmo	Total Petroleum Hydrocarbons – motor oil
TTLC	Total Threshold Limit Concentration
UCL	Upper Confidence Limit
UP	Union Pacific Railroad
USA	Underground Service Alert
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds
WET	Waste Extraction Test
yd^3	Cubic Yards

1.0 INTRODUCTION

1.1 Site Location and Existing Improvements

Geocon Consultants, Inc. has prepared this Phase II Environmental Site Assessment (ESA) for the Greenway Trail Project under contract with Hyde Miller Owen & Trost (HMO&T) representing the City of Whittier. The *Site* consists of an approximate 5.2-mile long abandoned Union Pacific (UP) railroad corridor located in the City of Whittier, California. The corridor was formerly operated by the Los Angeles & Salt Lake (LA & SL) railroad.

The UP right of way (ROW) is generally 40 to 100 feet in width and extends from the mainline railroad connections near the San Gabriel River (Mile Post [MP] 0.0) to the former Southern Pacific (SP) railroad mainline connection south of Mills Avenue (MP 5.2). A widened area occurs south of Philadelphia Street at the site of the former LA & SL rail station.

The railroad tracks largely remain in-place within the site boundaries with the exception of removed track sections near the mainline connection west of the 605 Freeway, immediately south of Hadley Street, and from north of Gunn Avenue to south of Mills Avenue. A double-ended passing track exists between Philadelphia Street and Penn Street. Other existing structural improvements within the *Site* include bridge and culvert structures, roadway signal crossing equipment and abandoned battery boxes. Building improvements were not noted within the *Site*.

Existing buried utilities within the *Site* include but are not limited to City of Whittier water, storm drain and sewer lines, and Southern California Gas natural gas lines. Petroleum pipelines operated by Mobile, Standard Oil and Southern Pacific Pipelines cross the *Site* near the Whittier Boulevard and Gunn Avenue crossings. The majority of the electric, cable and telephone utilities appear to be located within the city street easements. Information obtained from UP indicates that fiber optic cables are not located within the *Site*.

Review of information provided by HMO&T indicates that approximately thirty UP lease agreements exist for the *Site*. The lease agreements were generally prepared for adjacent property owners for landscaping, vehicle parking, fence and building encroachments, and driveway access purposes. Utility access agreements also exist for natural gas and petroleum pipeline crossings. Building and facility encroachments include a lease for an automobile repair shop building south of the Whittier Boulevard overcrossing (MP 3.11) and a lumber yard and garage south of the Philadelphia Street crossing (MP 2.3).

The approximate location of the *Site* is depicted on the Project Location Map, Figure 1. Site Plans prepared from City of Whittier maps dated 1962 are presented on Figures 2a through 2i. Railroad Right of Way and Track Maps for the *Site* dated 1918 are presented in Appendix A.

1.2 Background

Geocon previously completed a Phase I ESA for the *Site* dated September 22, 2000. The Phase I ESA concluded that the railroad improvements at the *Site* were constructed prior to 1925. Before construction of the railroad corridor, commercial operations near the *Site* included agricultural, lumber, feed, fruit packing and oil storage facilities. Former or existing railroad maintenance, refueling facilities, underground or aboveground storage tanks (USTs/ASTs) were not identified within the site boundaries.

The Phase I ESA report identified potential recognized environmental conditions (RECs) at the *Site* including the following:

- Potential heavy metal soil impacts associated with the presence of slag ballast materials over the entire length of the track bed within the UP corridor.
- Potential pesticide, polychlorinated biphenyls (PCBs) and herbicide soil impacts associated with historical weed and brush control activities within the *Site*.
- Areas of past waste dumping within the *Site* adjacent to the Lambert Tire facility (14001 Lambert Road) and at other miscellaneous locations. Waste materials observed included a five-gallon, open bucket of waste oil, yard waste, discarded furniture, paint cans, discarded gasoline-powered lawn mowers, construction debris, discarded tires, and general refuse.
- Potential petroleum hydrocarbon impacted soil within the *Site* associated with the following adjacent facilities:
    - Cool-A-Coo, 12025 Hadley Street, oil observed flowing from this facility onto the *Site*.
    - Mar Vista Molding located south of Penn Street, asphaltic and white resinous material (glue) observed flowing onto the *Site*.
    - American Cushion, 12353 Whittier Boulevard, "dip tank area" documented petroleum hydrocarbon soil contamination adjacent to and possibly within the *Site*.
    - City of Whittier maintenance yard, 12016 Hadley Street, potential petroleum hydrocarbon soil impacts from former waste disposal sumps.
    - Lambert Tires, 14001 Lambert Road, waste oil dumping on ballast and ties.
- Potential PCB-containing electrical equipment within onsite signal-switching structures.

The Phase I ESA report recommended the removal of refuse and waste from the corridor, and soil sampling and analytical testing to determine the potential presence of heavy metal, pesticide, PCB, herbicide and petroleum hydrocarbon site impacts. The report further recommended an engineering

survey of the Site to determine potential adjacent property encroachments. It is understood that Thomsen Engineering, Inc. is currently under contract with HMO&T to provide surveying services for the *Site*.

URS under contract to UP completed a *Summary Report Right of Way Slag Investigation* for the *Site* dated November 14, 2000. The investigation included a site reconnaissance, limited ballast depth measurements, and sampling and analytical testing of two ballast samples (light and dark slag). URS reported that the railroad ballast materials within the *Site* are primarily comprised of light and dark slag and gravels varying from 0 to 8 inches thick and from 8 to 60 feet in width. Based on the results of the field survey, URS estimated that approximately 5,000 cubic yards (yd^3) of slag impacted ballast materials and 6,300 yd^3 of heavy metal impacted soil exist within the *Site*. The analytical data indicated elevated chromium and a vanadium concentration above the California hazardous waste threshold in the dark slag ballast sample. The light slag ballast sample did not contain metal concentrations of concern with respect to California hazardous waste thresholds. Elevated concentrations, above naturally occurring background levels, of barium, chromium, copper and vanadium were further reported for each slag sample.

2.0 PURPOSE AND SCOPE OF SERVICES

The purpose of the Phase II ESA was to evaluate potential impacts to the *Site* from the RECs identified in the Phase I ESA report and if necessary, provide recommendations for site remediation. The following scope of services was performed during the performance of the Phase II ESA.

2.1 Pre-Field Activities

- Received a fully executed UP Right of Entry Agreement and authorization to proceed on August 13, 2001.
- Contacted Underground Service Alert (USA) on August 20, 2001 to attempt to delineate subsurface public utilities and conduits in proximity to the proposed exploration locations.
- Prepared a project *Health and Safety Plan* dated August 21, 2001 to provide guidelines on the use of personal protective equipment and health and safety procedures during the field activities.
- Retained the services of Advanced Technology Laboratories (ATL) located in Signal Hill, California to perform chemical analyses of soil and ballast samples.

2.2 Asbestos and Lead-Containing Paint Bridge Surveys

Mr. David Watts, a California Certified Asbestos Consultant and Lead-Based Paint Inspector/Assessor performed asbestos and lead-containing paint surveys of the four onsite bridge structures on August 17, 2001. The steel bridge structures surveyed include the following:

- 605 Freeway Overcrossing
- Norwalk Boulevard Overcrossing
- Pickering Avenue Overcrossing
- Whittier Boulevard Overcrossing

A separate asbestos and lead-containing paint bridge survey report is presented in Appendix B.

2.3 Field Sampling Activities

Geocon performed 31 exploratory backhoe trenches (T1 through T31) within the *Site* on August 23 and 24, 2001. The majority of the trenches were performed within or adjacent to the existing track bed to evaluate the ballast thickness and to obtain ballast and underlying soil samples for analytical testing. The remaining trenches were performed in areas of suspected surface staining and/or adjacent to facilities with documented soil impacts. With the exception of Trench T8, the trenches were excavated to a maximum depth of 3 feet below the ground surface (bgs). Trench T8 was excavated to a maximum depth of 7 feet bgs in debris fill deposits encountered between Magnolia Avenue and Hadley Street.

Ballast and soil samples were generally collected from each trench at depths of 0.5, 1 and 2 feet bgs. Surface soil samples (S1 through S10) were further collected at selected locations to evaluate the potential presence of pesticides, herbicides, PCBs, lead and arsenic. In addition, paint chip and adjacent

surface soil samples were obtained from aboveground storm drain boxes located at the Pioneer Boulevard crossing and at a retaining wall located between Magnolia Avenue and Hadley Street.

A Trimble® Pathfinder Pro XR™ portable global positioning system (GPS) data collection unit was utilized to locate the exploratory trench and surface soil locations and to identify the specific geographic location of potential RECs and features of importance (e.g. refuse piles) that may have an impact on the future development of the *Site*. The GPS system utilized signals from up to eight available satellites to locate points with sub-meter accuracy. The exploratory trench, paint chip and surface soil locations are depicted on Figures 2a through 2i.

The soil samples were collected in resealable plastic bags or stainless steel sample tubes depending on the analytical testing requirements. After collection, each sample was labeled, placed in a chilled cooler and transported to ATL under standard chain-of-custody procedures for subsequent chemical analyses.

2.4 Laboratory Analyses

Nine bridge material samples were analyzed for asbestos following Environmental Protection Agency (EPA) Test Method 600/M4-82-020 using polarized light microscopy. Eighteen bridge and abutment paint samples were analyzed for total lead content following EPA Test Method 6010B.

Samples obtained from the UP corridor were analyzed for the following:

- Fifty-six ballast and soil samples were analyzed for California Code of Regulations (CCR) Title 22 metals [(1)] by EPA Test Methods 6010B and 7471A (mercury cold vapor technique).
- Twenty-nine soil and paint chip samples were analyzed for total lead and/or arsenic by EPA Test Method 6010B.
- Twenty-six ballast, soil and paint chip samples were subsequently analyzed for soluble arsenic, barium, copper, lead and vanadium following the Waste Extraction Test using citric acid (WET) and de-ionized water (DI-WET) extractants by EPA Test Method 6010B.
- Two soil samples were analyzed for hexavalent chromium by EPA Test Method 7196A.
- Eight soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) following EPA Test Method 8015B modified and benzene, toluene, ethylbenzene and total xylenes (BTEX) by EPA Test Method 8020A.
- Fourteen soil samples were analyzed for total petroleum hydrocarbons as diesel (TPHd) and motor oil (TPHmo) by EPA Test Method 8015B modified.
- Eleven soil samples were analyzed for organochlorine pesticides by EPA Test Method 8081A, PCBs by EPA Test Method 8082 and herbicides by EPA Test Method 8151.
- Six soil samples were analyzed for volatile organic compounds (VOCs) by EPA Test Method 8260B.

- One ballast sample was analyzed for semi-volatile organic compounds (SVOCs) by EPA Test Method 8270C.

(1) CCR Title 22 metals include antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium and zinc.

Quality assurance/quality control (QA/QC) procedures were performed for each method of analysis with specificity for each analyte listed in the test method's QA/QC. Prior to submitting the ballast, soil, paint chip and bridge material samples to the analytical laboratory, the chain-of-custody documentation was reviewed for accuracy and completeness. The laboratory reports were also reviewed for accuracy and consistency with the chain-of-custody documentation and to verify that the laboratory results are within tolerance control limits. Based upon this review process, the data quality appears to be adequate for the purposes of this report.

3.0 INVESTIGATIVE RESULTS

3.1 General Site Observations

The northern and southern portions of the *Site* are generally bordered by residential development. Commercial and to a lesser extent light industrial development occurs between the Magnolia Avenue crossing and the Whittier Boulevard overcrossing. Additional commercial facilities border the *Site* between Calmada Avenue and Mills Avenue adjacent to Lambert Road. Track grades within the *Site* are relatively flat to slightly elevated over the majority of the site boundaries. Elevated track grades and embankment slopes occur in the vicinity of the Norwalk Boulevard, Pickering Avenue and Whittier Boulevard overcrossings. ROW encroachments were noted at several adjacent residential properties. Building encroachments were further noted adjacent and south of the Whittier Boulevard overcrossing.

The northern portion of the *Site* north of the 605 Freeway overcrossing was noted to contain relatively minor debris including sections of concrete pipe. The rail and ties have been partially removed at the two mainline crossings near the northern site boundary. A stockpile of light slag ballast materials was observed near the northern site boundary. From the 605 Freeway overcrossing to the Whittier Boulevard overcrossing, the *Site* was noted to be generally free of illegal dumping and debris. Concrete debris piles were noted north of the Palm Avenue crossing and south of the Hadley Street crossing. A stockpile of rail and ties and an active wash water discharge from an adjacent food processing facility were further noted south of the Hadley Street crossing. Homeless encampments were noted between Philadelphia Avenue and Penn Street, and on the Whittier Boulevard overcrossing structure. A double-ending passing track exists between Philadelphia Street and Penn Street.

The southern portion of the *Site* south of Whittier Boulevard was noted to contain a moderate to heavy growth of brush and weeds. A masonry block debris pile was noted north of the Painter Avenue crossing. Relatively recent brush clearing appeared to be completed south of Gunn Avenue to Mills Avenue. The rail and ties have been removed between Gunn Avenue and Mills Avenue. Miscellaneous scattered debris including brush piles, rail ties, trash and oily 5-gallon buckets were noted between Calmada Avenue and Mills Avenue.

Signal crossing equipment was noted at each of the major street crossings. Mr. Ken Edger with UP opened the signal box at the Mills Avenue to allow for inspection of the contents. The enclosed signal box was observed to contain electronic equipment and back-up batteries. The signal boxes at the *Site* will likely be salvaged for reuse according to Mr. Edger. Battery boxes were observed at the following locations within the *Site*:

1. South of the 605 Freeway Overcrossing (MP 0.3)

2. Between the Norwalk Boulevard overcrossing and the Palm Avenue crossing (MP 1.2)
3. Between the Philadelphia Street and Penn Street crossings (MP 2.4)
4. Between the Mar Vista Street crossing and Pickering Avenue Overcrossing (MP 2.8)
5. South of Mills Avenue near the UP mainline junction (MP 5.2)

Photographs depicting the rail bed within the *Site* and observed features are presented on Figures 3a through 3g.

3.2 Bridge Surveys

Asbestos containing materials were only detected at the 605 Freeway overcrossing structure. Samples of thermal system pipe insulation contained 20% Chrysotile friable asbestos. The insulation materials were noted to be in good condition and do not require removal unless planned bridge renovation disturb the materials or the bridge is removed.

Lead-containing gray paint was detected on each of the four bridge structures at concentrations ranging from 110 to 460,000 milligrams per kilogram (mg/kg). The light gray bridge paint was observed to be generally intact. Lead-containing paint was further detected on beige-painted bridge abutments at concentrations ranging from 110 to 560 mg/kg. Beige-painted abutments at the Norwalk, Pickering and Whittier overcrossing structures were noted be significantly flaking or peeling.

A copy of the Geocon *Asbestos and Lead-Containing Paint Surveys* report including site photographs, tabular summaries of analytical data and laboratory reports is presented in Appendix B.

3.3 Ballast Material Survey

Geocon performed shallow exploratory trenches within or adjacent to the existing track bed at the *Site* to determine the thickness of the ballast materials and to sample the ballast and underlying soil materials to evaluate potential heavy metal impacts associated with the presence of slag ballast. The slag ballast materials observed at the *Site* consist of light gray vesicular material with iron clasts (light slag ballast) and copper-ore slag (dark slag ballast). The vast majority of the track bed within the *Site* contains light slag ballast overlying gravel aggregate materials. An approximate 50 yd^3 stockpile of light slag ballast was noted near the northern site boundary indicating relatively recent use of these materials. The dark slag ballast materials are generally confined to the following three sections within the *Site*:

1. Bailey Street to halfway between Philadelphia Street and Penn Street. From south of Philadelphia Street the dark ballast materials are generally confined to the western double-ended passing track.

2. From south of Mar Vista Street to Greenleaf Avenue. The dark slag ballast materials were further noted adjacent to sidewalk areas beneath the Pickering Avenue overcrossing.

3. From Mills Avenue to the southern site boundary.

The approximate extent of the dark slag ballast materials is depicted on the attached Site Plans. The remaining areas contain varying quantities of light slag ballast materials. Ballast thickness and width measurements obtained during the field survey are summarized on Table 1.

Information obtained from UP personnel indicates that the likely sources of the light and dark slag ballast materials at the *Site* are copper-ore smelting facilities located in Arizona and Utah, respectively. These materials are reportedly no longer utilized by UP for rail bed construction or re-ballasting due to the presence of heavy metals, potential environmental concerns and California regulatory disposal requirements. Redevelopment of other railroad properties within California has required the excavation and disposal of light and dark slag ballast materials to Class I or II disposal facilities based on elevated heavy metal concentrations.

3.4 Slag Ballast Analytical Results

The results of the laboratory testing indicate that light and dark slag ballast contain elevated levels of arsenic (2 to 70 mg/kg), lead (3.5 to 630 mg/kg) and vanadium (0.5 to 1,000 mg/kg). Light slag sample T16-.5 contained the highest chromium concentration of 200 mg/kg but did not contain detectable hexavalent chromium. The following table presents the calculated upper one-sided 95% upper confidence limits (UCLs) and presents the residential and industrial EPA Region 9 Preliminary Remediation Goals (PRGs) for the elevated metals detected in the slag ballast materials:

Material	Metal	95% UCL (mg/kg)	Residential PRG	Industrial PRG
Light Slag	Arsenic	35	0.39 (22)[1]	2.7 (440)[1]
Dark Slag		50		
Light Slag	Lead	72	400	750
Dark Slag		358		
Light Slag	Vanadium	512	550	14,000
Dark Slag		89		

[1] EPA non-cancer endpoint

The light and dark slag ballast materials do not contain reported total metal concentrations above their respective California Total Threshold Limit Concentration (TTLC) hazardous waste thresholds. Dark slag sample T12-.5 contained a total lead concentration of 630 mg/kg, above the California Health and Safety Code (HSC) Class I disposal threshold for lead of 350 mg/kg.

One light slag sample (T7-.5) and one dark slag sample (T12-.5) contained respective WET soluble lead concentrations of 6.1 and 5.2 milligrams per liter (mg/l), above the California Soluble Threshold Limit Concentration (STLC) hazardous waste threshold for lead of 5.0 mg/l. Slag sample T7-.5 contained a WET soluble copper concentration of 25 mg/l, equal to the STLC hazardous waste threshold for copper.

Ten slag samples (T5-.5, T12-.5, T15-.5, T16-.5, T19-.5, T24-.5, T26-.5, T30-.5, T31-.5 and T31-Slag) did not contain WET soluble arsenic, copper, lead or vanadium concentrations above respective STLC hazardous waste thresholds. DI-WET soluble arsenic, copper, lead and vanadium were further not detected in each of the ten slag samples analyzed.

3.5 Track Bed Soil Analytical Results

The results of the laboratory testing indicate that the soil materials underlying the track bed contain elevated levels of arsenic ranging from 8 to 210 mg/kg. The following table presents the calculated upper one-sided 95% UCLs and presents the residential and industrial EPA Region 9 PRGs for the elevated arsenic detected in the track bed soil samples:

Soil Sample Depth (feet)	Metal	95% UCL (mg/kg)	Residential PRG	Industrial PRG
1	Arsenic	47	0.39 (22)[1]	2.7 (440)[1]
2		39		

[1] EPA non-cancer endpoint

Soil samples collected at 1 and 2 feet bgs within the track bed do not contain reported total metal concentrations above their respective California TTLC hazardous waste thresholds or HSC Class I disposal thresholds. Three of seven soil samples analyzed (T1-1, T1-2 and T4-1) contained WET soluble arsenic concentrations ranging from 5.2 to 12 mg/l, above the STLC hazardous waste threshold for arsenic of 5.0 mg/l. DI-WET soluble arsenic concentrations were detected in five of seven soil samples analyzed (T1-1, T1-2, T3-1, T4-2 and T5-2) at concentrations ranging from 1.2 to 1.4 mg/l.

3.6 Right of Way Soil Analytical Results

Eleven random surficial soil samples were obtained within the *Site* to evaluate the potential presence of pesticides, PCBs, herbicides, lead and arsenic. Relatively low pesticide levels were detected in three of the eleven soil samples analyzed at concentrations ranging from 2.6 to 370 micrograms per kilogram (μg/kg). The pesticide concentrations detected are well below the residential EPA Region 9 PRGs with the sole exception of 250 μg/kg dieldrin detected in soil sample S7-.5 (PRG = 30 μg/kg). PCBs (Aroclor 1260) were only detected in soil sample S1-.5 at 220 μg/kg equal to the residential EPA Region 9 PRG. Herbicides were not detected in each of the eleven soil samples analyzed. Elevated lead and arsenic concentrations above naturally occurring background concentrations were not detected in the surface soil samples obtained from the *Site* outside of the track bed areas.

Ten soil samples were obtained from exploratory trenches performed in areas of observed surface stains, debris areas or adjacent to facilities with industrial operations as discussed in Section 1.2 of this report. TPHg, TPHd and VOCs were not detected in each soil sample analyzed with the exception of

one trichloroethene concentration of 34 µg/kg in trench T20. TPHmo was detected in each soil sample at concentrations less than 100 mg/kg with the exception of 170 mg/kg detected in soil sample T29-1.

Two stained ballast samples obtained from trenches T3 and T7 were obtained directly beneath treated railroad ties and analyzed for petroleum hydrocarbons and SVOCs. Motor oil range hydrocarbons were detected at concentrations of 340 and 1,600 mg/kg. The stained ballast sample obtained from trench T3 also contained fluoranthene at a concentration of 35 mg/kg.

Exploratory trench T8 performed between Magnolia Avenue and Hadley Street encountered debris fill materials between approximately 4 to 7 feet bgs. The debris fill materials primarily consist of bottles, broken china, oily waste, brick fragments and rusted metal parts likely associated with historical railroad operations. A sample of the stockpiled debris fill materials contained a total lead concentration of 5,800 mg/kg in excess of the TTLC hazardous waste threshold of 1,000 mg/kg. TPHmo was further detected at a concentration of 820 mg/kg at a depth of 5.5 feet bgs. TPHg, TPHd and VOCs were not detected in each debris fill material sample analyzed.

Six soil samples and two paint chip samples were obtained adjacent to a painted aboveground storm drain box located on the south side of the Pioneer Boulevard crossing, a painted retaining wall between Magnolia Avenue and Hadley Street, and adjacent to painted bridge abutments at the Norwalk and Whittier Boulevard overcrossings. The soil samples contained lead concentrations ranging from 4 to 260 mg/kg. Two of the soil samples (Ret Wall #1 and S10-0) contained WET soluble lead concentrations of 9.5 and 8.2 mg/l, above the STLC hazardous waste threshold of 5.0 mg/l for lead. DI-WET lead was not detected in each soil sample analyzed. The storm drain box and retaining wall paint chip samples contained total lead concentrations of 1,100 and 6.0 mg/kg, respectively.

A sample log is presented on Table 1. Summaries of the soil analytical results are presented on Tables 2 through 5. Copies of the laboratory reports and chain-of-custody documentation are presented in Appendix C.

4.0 CONCLUSIONS AND RECOMENDATIONS

The *Site* consists of 5.2 miles of abandoned UP railroad ROW located between the mainline connections near the San Gabriel River crossing to the UP mainline connection south of Mills Avenue in Whittier, California. The approximate 40- to 100-foot wide railroad corridor is located primarily within residential and commercial areas and to a lesser extent light industrial development. Existing improvements include railroad tracks, four steel bridge structures, drainage culverts, abandoned battery boxes, and signal crossing equipment. A widened ROW area associated with a former railroad station is located south of Philadelphia Street. Significant surface stain areas, distressed vegetation, and evidence of former or existing refueling or maintenance facilities including USTs and ASTs were not observed within the *Site*.

The vast majority of the UP ROW was observed to be generally free of illegal dumping given the length, urban location and inactive status of the corridor. Surface debris materials were noted within the *Site* at the following locations:

- Concrete/masonry block piles are located north of Palm Avenue, south of Hadley Street and north of Painter Avenue.
- Rail and tie stockpile located south of Hadley Street.
- Glue deposits adjacent to the Mar Vista Molding company located south of Penn Street.
- Miscellaneous trash, rail ties, brush piles located between Calmada Avenue and Mills Avenue.

The *Site* should be cleared of brush/weed vegetation and observed debris materials and abandoned battery boxes within the *Site* removed and properly disposed of prior to corridor acquisition. Soil staining observed beneath the removed debris and battery boxes should be sampled and/or removed and properly disposed. Battery boxes were observed at the following locations:

1. South of the 605 Freeway Overcrossing (MP 0.3)
2. Between the Norwalk Boulevard overcrossing and the Palm Avenue crossing (MP 1.2)
3. Between the Philadelphia Street and Penn Street crossings (MP 2.4)
4. Between the Mar Vista Street crossing and Pickering Avenue Overcrossing (MP 2.8)
5. South of Mills Avenue near the UP mainline junction (MP 5.2)

It is understood that the existing track (rail and ties) and signal crossing improvements may or may not be removed prior to potential corridor acquisition. The rails may be suitable for reuse, recycling (re-roll) and/or scrap salvage. Railroad ties in good condition should be suitable for salvage and recycling for landscaping and retaining wall construction purposes. Damaged and/or unusable railroad ties may be disposed of at the Puente Hills Landfill facility under non-hazardous waste manifest.

The results of the Phase II ESA indicate the presence of RECs within the *Site* including slag ballast materials, arsenic impacted track bed soil, buried debris fill materials, asbestos containing materials and lead-containing paint. Recommendations regarding mitigation of each of the RECs are presented below.

The light and dark slag ballast materials within the entire track bed at the *Site* contain elevated heavy metal concentrations notably arsenic, lead and vanadium. The arsenic levels are similar for the light and dark slag materials at 95% UCL concentrations of 35 and 50 mg/kg, respectively. The dark slag materials contain significantly higher lead concentrations (95% UCL = 358 mg/kg) and lower vanadium concentrations (95% = 89 mg/kg) when compared to the light slag materials (72 and 512, respectively). One dark slag sample (T12-.5) and one light slag sample (T7-.5) contained soluble lead levels above California hazardous waste thresholds. The dark slag sample further contained a total lead concentration in excess of the HSC Class I hazardous waste disposal threshold.

The primary contaminant of concern associated with the slag ballast materials and underlying track bed soil is arsenic. The light and dark slag ballast materials and underlying soil contain 95% UCL arsenic levels ranging between 35 and 50 mg/kg compared to the cancer residential and industrial PRGs of .39 and 2.7 mg/kg, respectively. Naturally occurring background arsenic values typically range from 8 to 12 mg/kg. The surface soil samples obtained from the corridor outside of the track bed areas contained a 95% UCL for arsenic of 14 mg/kg.

Due to the elevated arsenic and lead concentrations, it is recommended that light and dark slag ballast materials be removed from the *Site* and properly disposed of. Disposal options include Class I and/or II landfill facilities or recycling at Portland cement, concrete or asphalt batch plants. A site-specific risk assessment should be performed to determine an acceptable arsenic concentration for the underlying soil materials beneath the track bed. Soil materials containing arsenic levels above the acceptable cancer risk level will require removal and disposal, or capping with clean fill materials.

Debris fill materials containing California hazardous waste levels of lead were encountered at depths between 4 and 7 feet bgs in trench T8 located between Magnolia Avenue and Hadley Street. The debris materials contain bottles, china fragments and other typical railroad-related historical waste products. Additional investigation is required to determine the lateral and vertical extent of the debris materials and appropriate remedial action. The additional investigation should also determine whether the debris material extends beyond the ROW boundaries.

The petroleum hydrocarbon, VOC, pesticide, PCB, lead and arsenic concentrations detected in the randomly obtained surface soil samples do not warrant further investigation and/or remediation. Removal and proper disposal of isolated stained gravel ballast areas (observed in trenches T3 and T7) will be required. Stained ballast areas were not observed in areas where the rails and ties have been removed and therefore stained ballast is likely limited in lateral extent.

The adjacent food processing facility located south of Hadley Street should be contacted to redirect wash water discharges away from the *Site* and into the sanitary sewer system or other appropriate disposal measures. Facility and building encroachments discovered during the engineering survey of the *Site* should be inspected and further evaluated for potential environmental impacts including the automobile repair facility located adjacent and south of the Whittier Boulevard overcrossing.

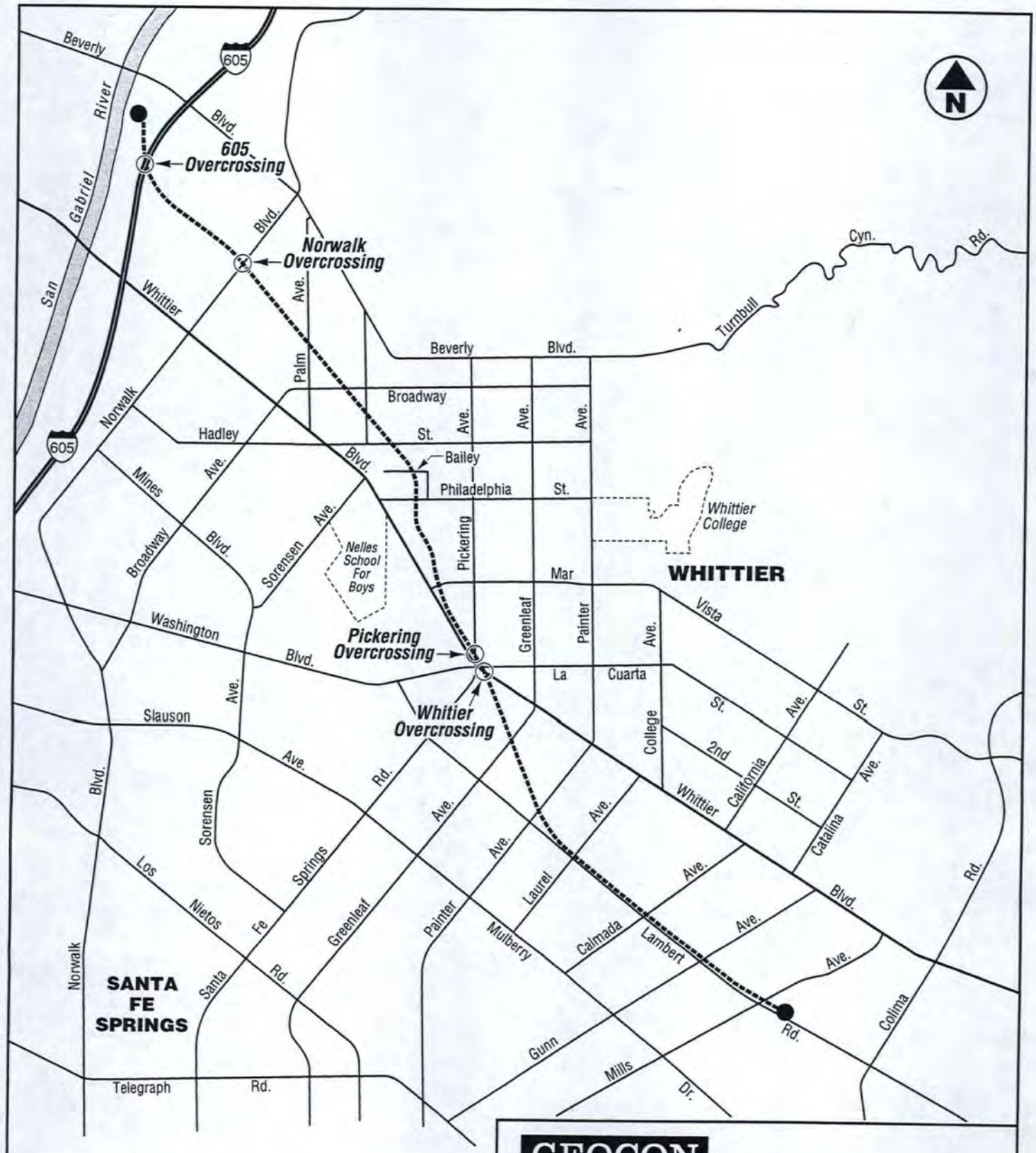
Special disposal and worker protection measures associated with asbestos containing materials at the 605 Freeway overcrossing and lead-containing paint identified at the Norwalk Boulevard, Pickering Street and Whittier Boulevard overcrossing structures, the storm drain boxes at Pioneer Boulevard and the retaining wall structure located between Magnolia Avenue and Hadley Street will be necessary in accordance with the recommendations presented in Appendix B of this report.

5.0 Report Limitations

This report has been prepared exclusively for HMO&T and the City of Whittier. The information contained herein is only valid as of the date of the report.

The Client should recognize that this report is not a comprehensive site characterization and should not be construed as such. The findings as presented in this report are predicated on the results of the limited sampling and laboratory testing performed. In addition, the information obtained is not intended to address potential impacts related to sources other than those specified herein.

Therefore, the report should only be deemed conclusive with respect to the information obtained. No guarantee or warranty of the results of the report is implied within the intent of this report or any subsequent reports, correspondence or consultation either expressed or implied. Geocon strived to perform the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered.



0 1/2
Scale in Miles

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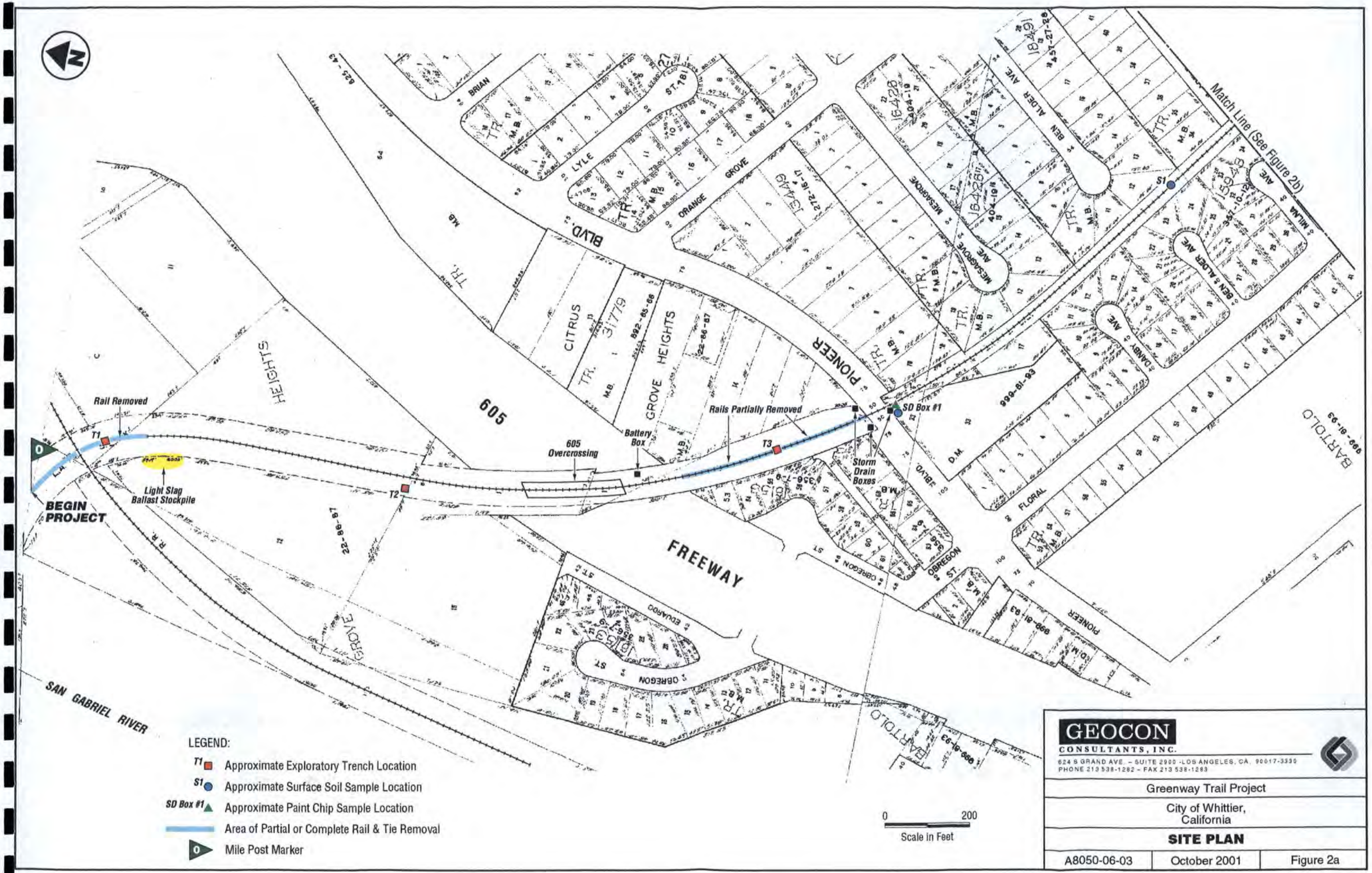
Greenway Trail Project

City of Whittier, California

PROJECT LOCATION MAP

A8050-06-03	October 2001	Figure 1


Rail Removed
T1
Light Slag Ballast Stockpile
BEGIN PROJECT
T2
605 Overcrossing
Battery Box
Rails Partially Removed
T3
SD Box #1
Storm Drain Boxes
S1
Match Line (See Figure 2b)
605
FREEWAY
SAN GABRIEL RIVER
PIONEER
BLVD.
ORANGE GROVE
LYLE
BRIAN
CITRUS
GROVE HEIGHTS
HEIGHTS
MESAGROVE AVE
BEN ALDER AVE
DANBY AVE
MILLA AVE
FLORAL
OBREGON ST.
EDUARDO
BARTOLO
LEGEND:
T1 Approximate Exploratory Trench Location
S1 Approximate Surface Soil Sample Location
SD Box #1 Approximate Paint Chip Sample Location
Area of Partial or Complete Rail & Tie Removal
Mile Post Marker
0
200
Scale in Feet
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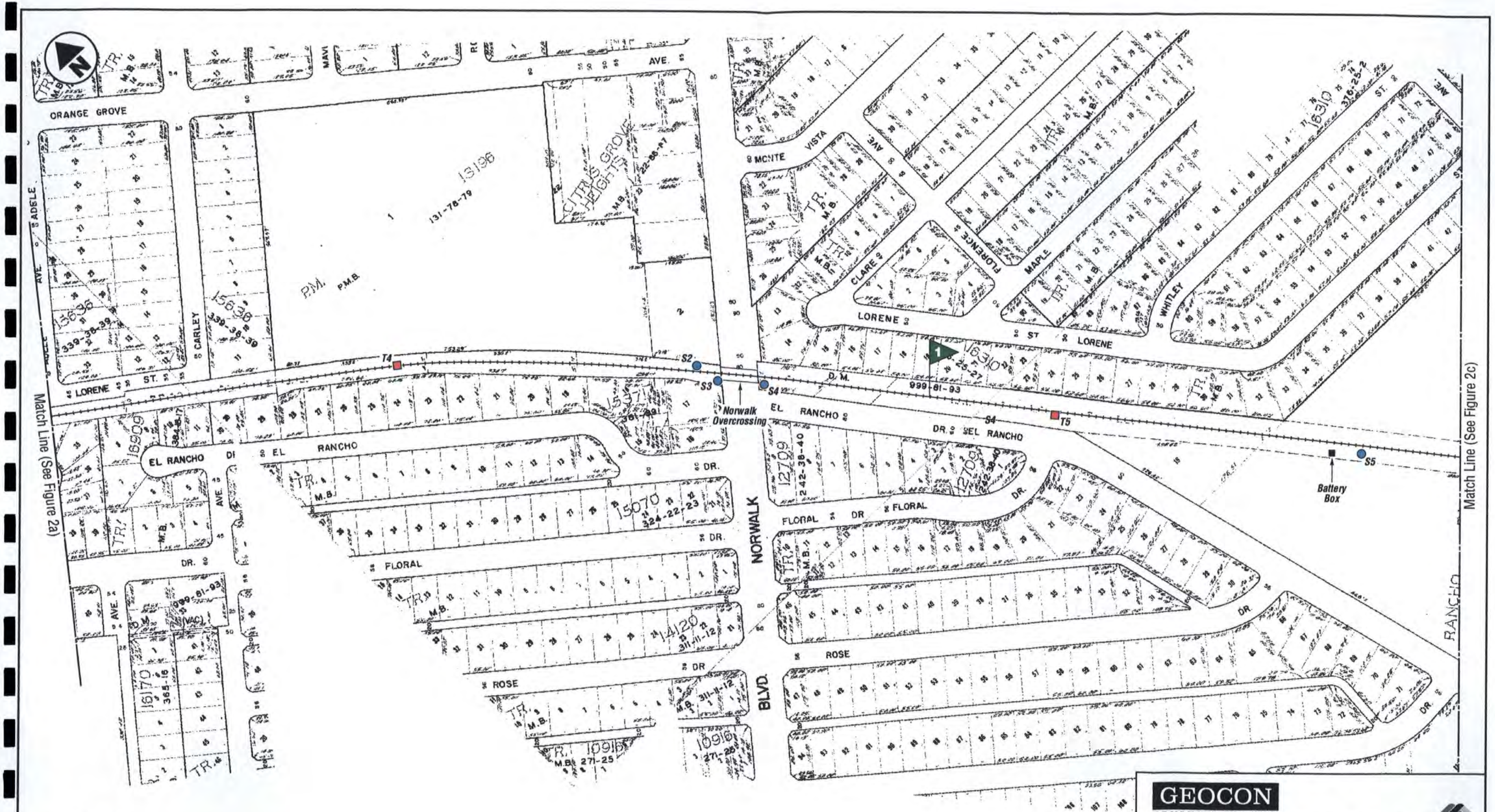
Greenway Trail Project
City of Whittier, California
SITE PLAN
A8050-06-03
October 2001
Figure 2a



LEGEND:

- T1 Approximate Exploratory Trench Location
- S1 Approximate Surface Soil Sample Location
- Mile Post Marker

0 200
Scale in Feet

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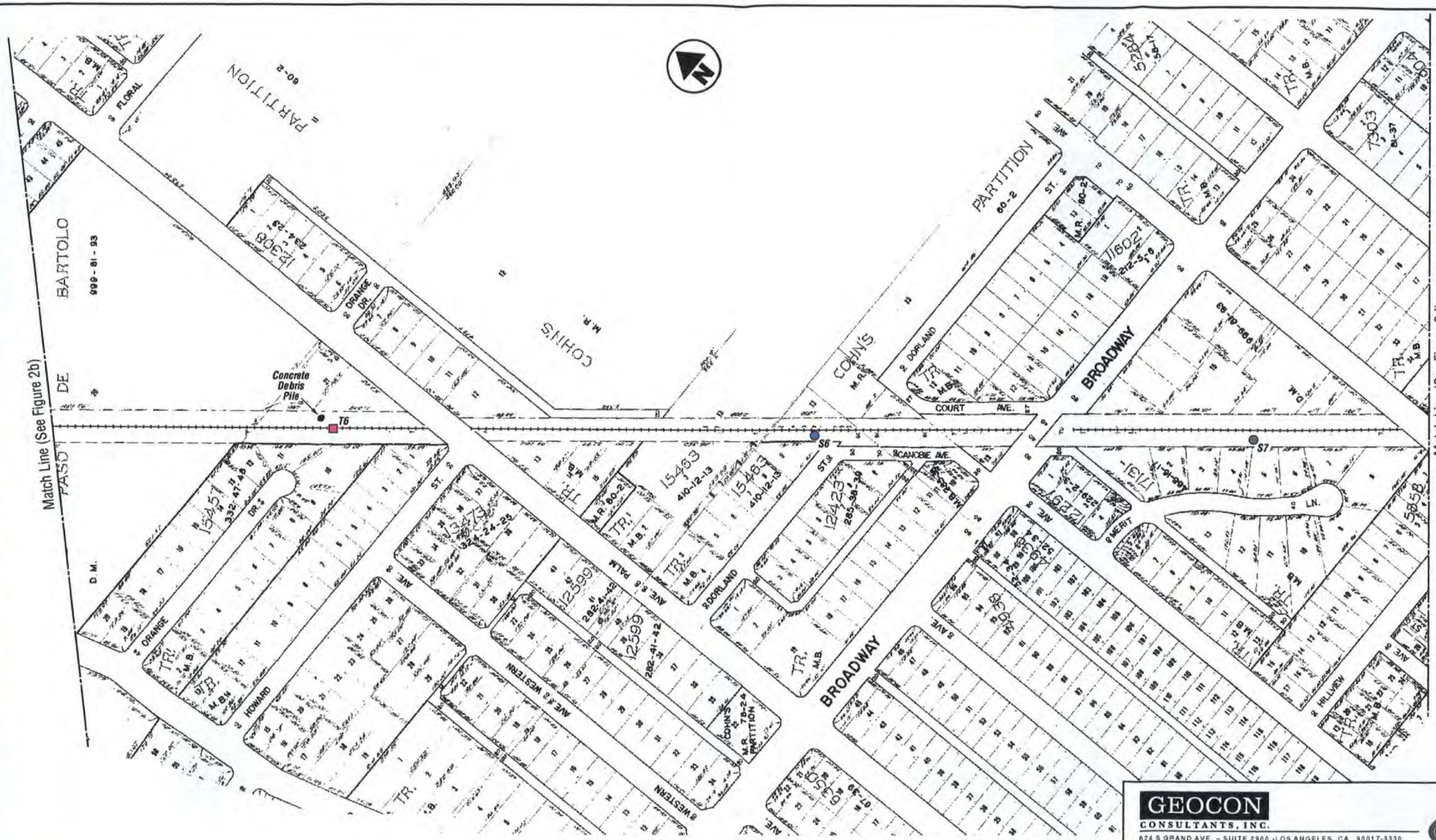
SITE PLAN

A8050-06-03	October 2001	Figure 2b



LEGEND:

T1 ■ Approximate Exploratory Trench Location

S1 ● Approximate Surface Soil Sample Location

0 200
Scale in Feet

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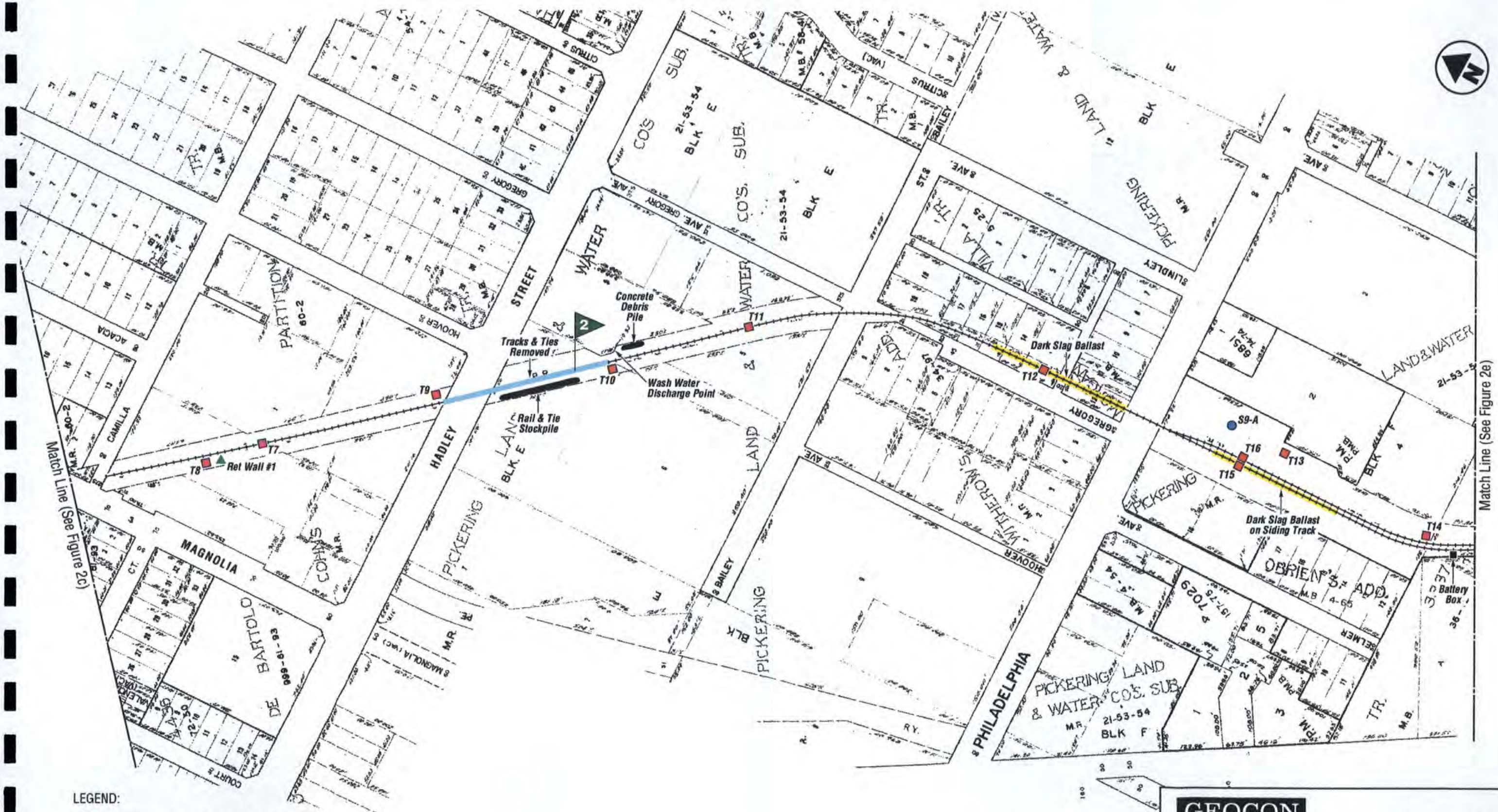
SITE PLAN

A8050-06-03	October 2001	Figure 2c



LEGEND:

- T1 Approximate Exploratory Trench Location
- S1 Approximate Surface Soil Sample Location
- SD Box #1 Approximate Paint Chip Sample Location
- Area of Partial or Complete Rail & Tie Removal
- Approximate Extent of Dark Slag Ballast
- Mile Post Marker

0 200
Scale in Feet

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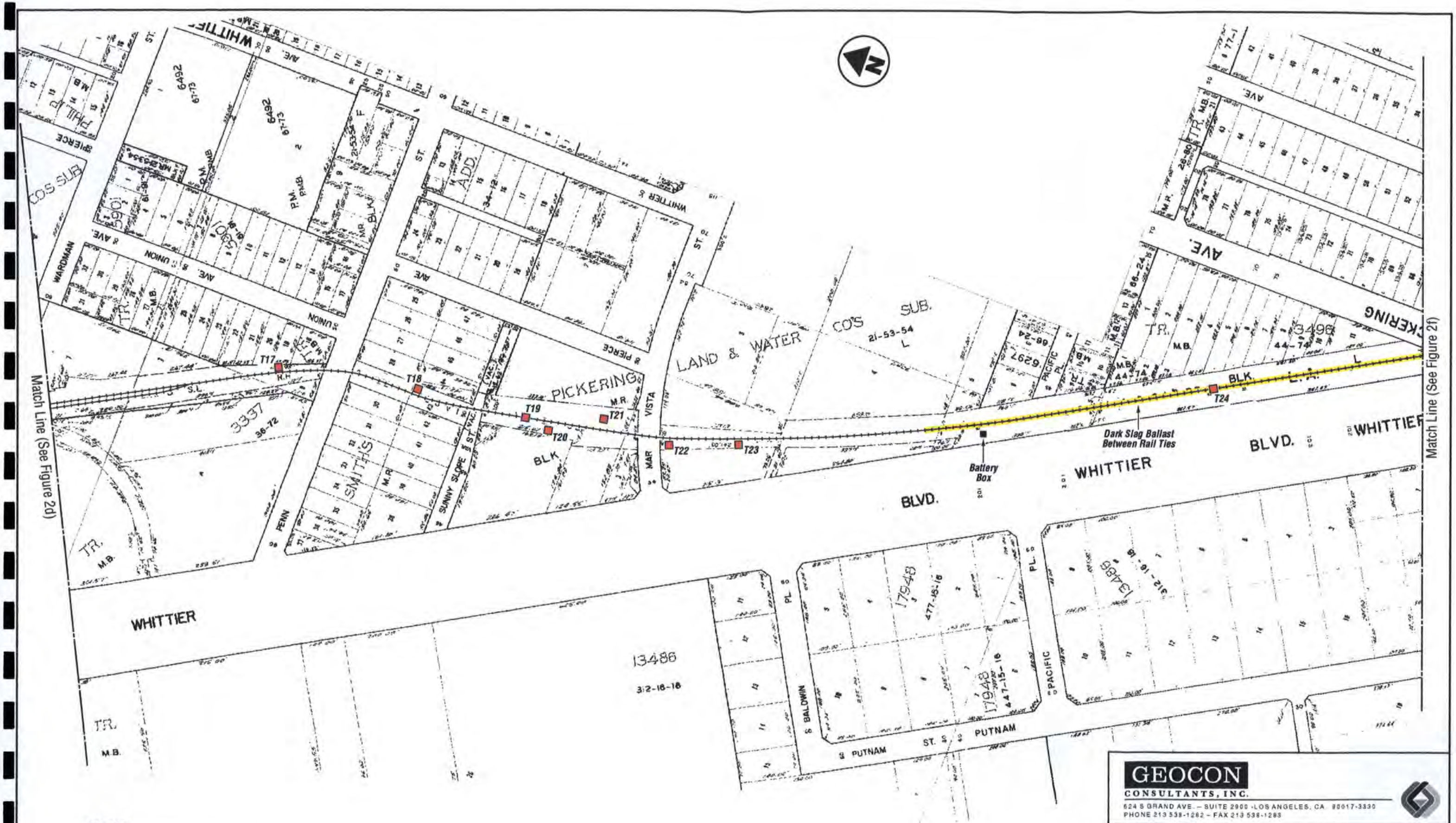
SITE PLAN

A8050-06-03	October 2001	Figure 2d



LEGEND:

T1 Approximate Exploratory Trench Location

Approximate Extent of Dark Slag Ballast

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PHONE 213 538-1282 – FAX 213 538-1283

Greenway Trail Project

City of Whittier, California

SITE PLAN

A8050-06-03	October 2001	Figure 2e

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City of Whittier, California

SITE PLAN

A8050-06-03	October 2001	Figure 2f

LEGEND:

T1 Approximate Exploratory Trench Location

Mile Post Marker

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City of Whittier, California

SITE PLAN

A8050-06-03	October 2001	Figure 2g

LEGEND:

T1 ■ Approximate Exploratory Trench Location

Area of Partial or Complete Rail & Tie Removal

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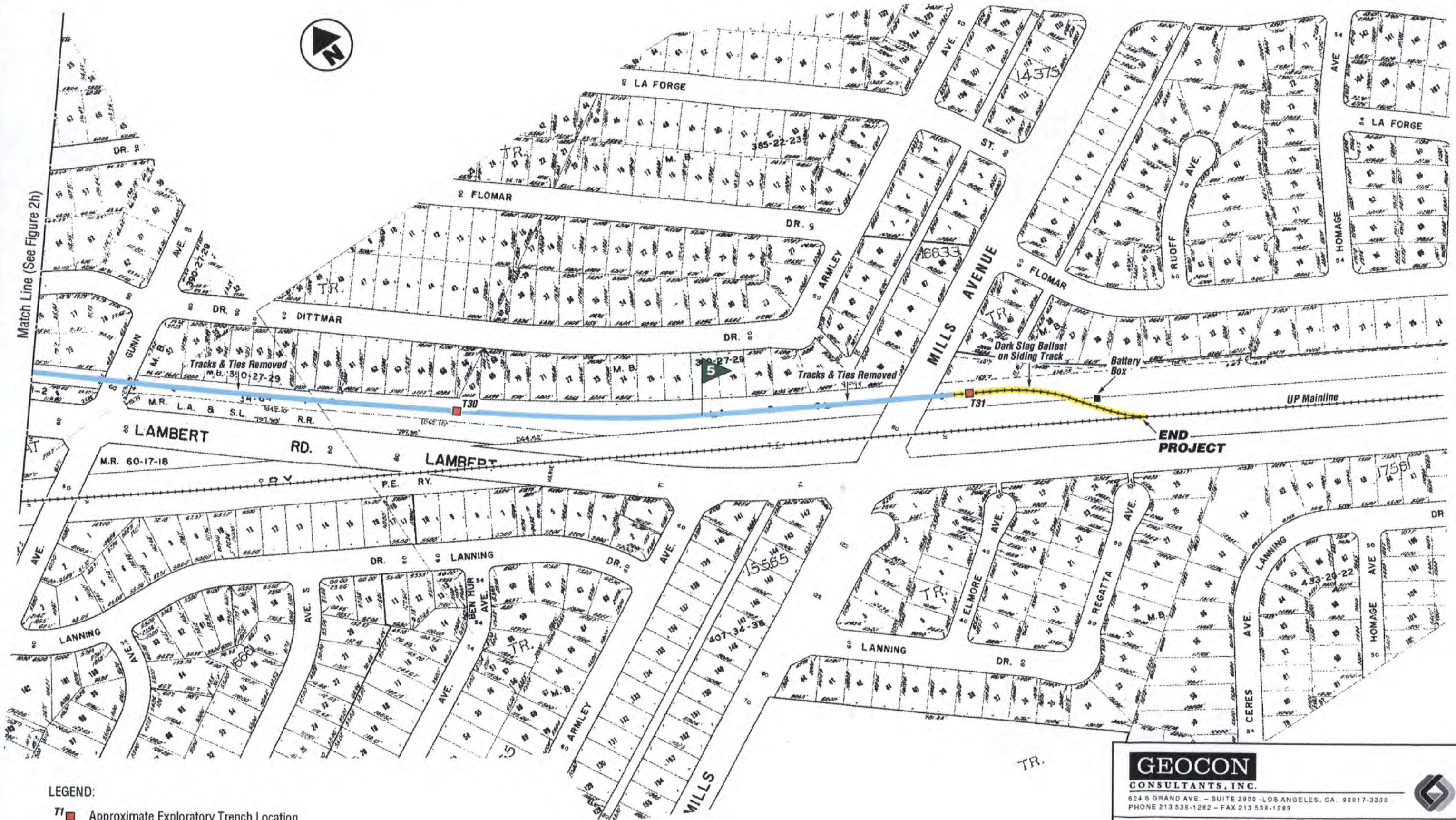
Greenway Trail Project

City of Whittier, California

SITE PLAN

A8050-06-03	October 2001	Figure 2h



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City of Whittier, California

SITE PLAN

A8050-06-03	October 2001	Figure 2i

Photo No. 1 Mainline Connection at Whittier Junction Near San Gabriel River Bridge (MP 0.0)

Photo No. 2 Southerly View of Track Bed, Concrete Pipe Debris and 605 Overcrossing in Background (MP 0.2)

SITE PHOTOS NO. 1 & 2

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Greenway Trail Project		
City of Whittier, California		
A8050-06-03	October 2001	Figure 3a

Photo No. 3 View of Light Slag Ballast at Trench T3 Located Between the 605 Freeway Overcrossing and Pioneer Boulevard (MP 0.3)

Photo No. 4 Northerly View of Norwalk Boulevard Overcrossing (MP 0.9)

SITE PHOTOS NO. 3 & 4

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Greenway Trail Project		
City of Whittier, California		
A8050-06-03	October 2001	Figure 3b

Photo No. 5 Southerly View of Elevated Track Bed and Adjacent Battery Box (MP 1.2)

Photo No. 6 View of Debris Fill Materials Encountered in Trench T8 (MP 1.9)

SITE PHOTOS NO. 5 & 6

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Greenway Trail Project		
City of Whittier, California		
A8050-06-03	October 2001	Figure 3c

Photo No. 7 Northerly View of Concrete Debris and Rail & Tie Stockpile South of Hadley Street (Note Green Vegetation Due to Wash Water Discharge From Adjacent Food Processing Facility) (MP 2.0)

Photo No. 8 View of Siding Track Connection South of Philadelphia Street (Note Dark Slag Ballast on Left and Light Slag Ballast on Right)

SITE PHOTOS NO. 7 & 8

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Greenway Trail Project		
City of Whittier, California		
A8050-06-03	October 2001	Figure 3d

Photo No. 9 Glue Discharges at Trench T21 Located Adjacent to the Mar Vista Molding Co. (MP 2.6)

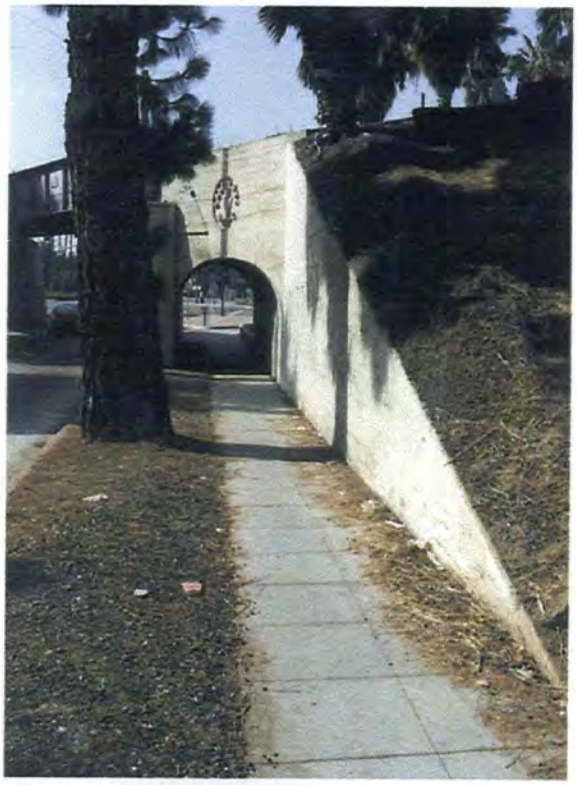

Photo No. 10 Dark Slag Ballast Materials Adjacent to Pedestrian Sidewalk at the Pickering Bridge Undercrossing (MP 3.0)

SITE PHOTOS NO. 9 & 10

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Greenway Trail Project		
City of Whittier, California		
A8050-06-03	October 2001	Figure 3e

Photo No. 11 View of Dark Slag Ballast Materials on Raised Embankment South of Whittier Bridge Overcrossing (Note Likely Building Encroachments on Right) (MP 3.1)

Photo No. 12 Northerly View of Dark Slag Ballasted Track Bed North of Greenleaf Avenue (MP 3.4)

SITE PHOTOS NO. 11 & 12

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Greenway Trail Project		
City of Whittier, California		
A8050-06-03	October 2001	Figure 3f

Photo No. 13 View of Light Slag Ballast Materials in Trench T28 Between Laurel Avenue and Calmada Avenue (MP 4.2)

Photo No. 14 Southerly View of Dark Slag Ballast and Track Bed South of Mills Avenue (MP 5.2)

SITE PHOTOS NO. 13 & 14

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Greenway Trail Project		
City of Whittier, California		
A8050-06-03	October 2001	Figure 3g

TABLE 1
SAMPLE LOG
GREENWAY TRAIL PROJECT
WHITTIER, CALIFORNIA

SAMPLE IDENTIFICATION – DEPTH (feet)	SAMPLE TYPE	POTENTIAL IMPACT	LIGHT SLAG DEPTH (inches)	DARK SLAG DEPTH (inches)	GRAVEL DEPTH (inches)	BALLAST WIDTH (feet)
Trench 1 - 0.5	Light Slag Ballast	Heavy Metals - Slag	4	NP	NP	30-40
Trench 1 - 1	Soil					
Trench 1 – 2	Soil					
Trench 2 - 0.5	Soil	Heavy Metals - Slag	5	NP	NP	10
Trench 2 – 1	Soil					
Trench 2 – 2	Soil					
Trench 3 - 0.5	Light Slag Ballast	Heavy Metals - Slag	8	NP	8	12
Trench 3 – 1	Soil					
Trench 3 – 2	Soil					
Trench 3 - Tie Gravel	Ballast	Creosote Stains Beneath Rail Ties				
Trench 4 - 0.5	Light Slag Ballast	Heavy Metals - Slag	4	NP	NP	20
Trench 4 – 1	Soil					
Trench 4 – 2	Soil					
Trench 5 - 0.5	Light Slag Ballast	Heavy Metals - Slag	4	NP	12	20
Trench 5 – 1	Soil					
Trench 5 – 2	Soil					
Trench 6 - 0.5	Light Slag Ballast	Heavy Metals - Slag	8	NP	NP	16
Trench 6 – 1	Soil					
Trench 6 – 2	Soil					
Trench 7 - 0.5	Light Slag Ballast	Heavy Metals - Slag	6	NP	NP	18
Trench 7 – 1	Soil					
Trench 7 – 2	Soil					
Trench 8 - 1	Soil	Heavy Metals, TPH And VOCs Associated With Railroad Debris Fill Materials	NA	NA	NA	NA
Trench 8 - 5.5	Debris Fill					
Trench 8 – 7	Soil					
Trench 8 – Stockpile	Debris Fill					
Trench 9 – 1	Soil	TPH Stains Adjacent To Cool-A-Coo	NA	NA	NA	NA
Trench 10 – 1	Soil	TPH Adjacent To City Maintenance Facility	7	NP	NP	17
Trench 11 – 2	Soil	TPH Stain Within Track Bed	10.5	NP	NP	17
Trench 12 - 0.5	Dark Slag Ballast	Heavy Metals – Slag	NP	8	NA	15

TABLE 1
SAMPLE LOG
GREENWAY TRAIL PROJECT
WHITTIER, CALIFORNIA

SAMPLE IDENTIFICATION – DEPTH (feet)	SAMPLE TYPE	POTENTIAL IMPACT	LIGHT SLAG DEPTH (inches)	DARK SLAG DEPTH (inches)	GRAVEL DEPTH (inches)	BALLAST WIDTH (feet)
Trench 12 – 1	Soil					
Trench 12 – 2	Soil					
Trench 13 – 2	Soil	TPH - Former Train Station Site	NA	NA	NA	NA
Trench 14 – 1	Soil	Pesticides, PCBs, Herbicides, lead and arsenic	NA	NA	NA	NA
Trench 15 - 0.5	Dark Slag Ballast	Heavy Metals – Slag	NP	4 (siding track)	NP	15
Trench 15 – 1	Soil					
Trench 15 – 2	Soil					
Trench 16 - 0.5	Light Slag Ballast	Heavy Metals – Slag	6	NP	12	15
Trench 16 – 1	Soil					
Trench 16 – 2	Soil					
Trench 17 - 1.5	Soil	Pesticides, PCBs, Herbicides, lead and arsenic	NA	NA	NA	NA
Trench 18 – 1	Soil	TPH and VOCs Adjacent To Mar Vista Molding Co.	NA	NA	NA	NA
Trench 19 - 0.5	Light Slag Ballast	Heavy Metals – Slag	3	NP	18	15
Trench 19 – 1	Soil					
Trench 19 – 2	Soil					
Trench 20 – 2	Soil	TPH and VOCs Adjacent to Former Dip Tank	NA	NA	NA	NA
Trench 21 – 1	Soil	VOCs From Glue Adjacent To Mar Vista Molding Co.	NA	NA	NA	NA
Trench 22 – 2	Soil	TPH Surface Stains/Oil Absorbent	NA	NA	NA	NA
Trench 23 – 1	Soil	TPH Surface Stains Adjacent To Pro Auto Sales				
Trench 24 - 0.5	Light & Dark Slag Ballast	Heavy Metals – Slag	4	12 (between ties)	NP	30-40 (slope)
Trench 24 – 1	Soil					
Trench 24 – 2	Soil					
Trench 25 - 0.5	Light Slag Ballast	Heavy Metals – Slag	NP	4	12	22
Trench 25 – 1	Soil					
Trench 25 – 2	Soil					
Trench 26 - 0.5	Light Slag Ballast	Heavy Metals – Slag	3	NP	9	17
Trench 26 – 1	Soil					
Trench 26 – 2	Soil					

TABLE 1
SAMPLE LOG
GREENWAY TRAIL PROJECT
WHITTIER, CALIFORNIA

SAMPLE IDENTIFICATION – DEPTH (feet)	SAMPLE TYPE	POTENTIAL IMPACT	LIGHT SLAG DEPTH (inches)	DARK SLAG DEPTH (inches)	GRAVEL DEPTH (inches)	BALLAST WIDTH (feet)
Trench 27 – 1	Soil	Pesticides, PCBs and Herbicides	NA	NA	NA	NA
Trench 28 - 0.5	Light Slag Ballast	Heavy Metals – Slag	3	NP	9	15
Trench 28 – 1	Soil					
Trench 28 – 2	Soil					
Trench 29 – 1	Soil	TPH Adjacent to Lambert Tire Facility	NA	NA	NA	NA
Trench 30 - 0.5	Light Slag Ballast	Heavy Metals – Slag	3	NP	9	16
Trench 30 – 1	Soil					
Trench 30 – 2	Soil					
Trench 31 - 0.5	Dark Slag Ballast	Heavy Metals - Slag	NP	3	15	18
Trench 31 – 1	Soil					
Trench 31 – 2	Soil					
Trench 31 – Slag	Dark Slag Ballast					
S1 - 0.5	Soil	Pesticides, PCBs, Herbicides, lead and arsenic	NA	NA	NA	NA
S2 - 0.5	Soil	Pesticides, PCBs, Herbicides, lead and arsenic	NA	NA	NA	NA
S3 - 0	Soil	Lead at Painted Norwalk Bridge Abutment	NA	NA	NA	NA
S4 – 0	Soil	Lead at Painted Norwalk Bridge Abutment	NA	NA	NA	NA
S5 - 0.5	Soil	Pesticides, PCBs, Herbicides, lead and arsenic	NA	NA	NA	NA
S6 - 0.5	Soil	Pesticides, PCBs, Herbicides, lead and arsenic	NA	NA	NA	NA
S7 - 0.5	Soil	Pesticides, PCBs, Herbicides, lead and arsenic	6.5	NP	NP	17
S8 - 0	Soil	Pesticides, PCBs, Herbicides, lead and arsenic	NA	NA	NA	NA
S9 – 0 Tube	Soil	Pesticides, PCBs, Herbicides, lead and arsenic	NA	NA	NA	NA
S9 – 0 Bag	Soil	Lead From Paint at Pedestrian Tunnel	NA	NA	NA	NA
S10 – 0	Soil	Lead From Paint at Whittier Bridge Abutment	NA	NA	NA	NA
SD Box #1	Beige Paint Chip	Lead Containing Paint at Storm Drain Box	NA	NA	NA	NA
SD Box #1	Soil	Lead From Paint at Storm Drain Box	NA	NA	NA	NA
Ret Wall #1	Beige Paint Chip	Lead Containing Paint at Retaining Wall	NA	NA	NA	NA
Ret Wall #1	Soil	Lead From Paint at Retaining Wall	NA	NA	NA	NA

Notes: NP = Not present
NA = Not available

TABLE 2
SUMMARY OF SOIL ANALYTICAL RESULTS- TITLE 22 METALS
GREENWAY TRAIL PROJECT
WHITTIER, CALIFORNIA

SAMPLE I.D.	T1-.5	T1-1	T1-2	T2-.5	T2-1	T2-2	T3-.5	TTLC	10 X STLC
ANALYTE	Results in milligrams per kilogram								
Antimony	0.50	0.50	0.42	0.49	0.50	0.50	<0.25	500	150
Arsenic	34	**210 (12/1.4)**	**93 (5.2/1.4)**	12	11	17	8.0	500	50
Barium	140	38	71	110	130	150	130	10,000	1,000
Beryllium	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	75	7.5
Cadmium	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	100	10
Chromium	30	7.5	11	22	20	20	10	2,500	5,600
Cobalt	5.5	3.5	6.4	9.5	11	9.0	3.0	8,000	800
Copper	46	22	30	22	20	28	14	2,500	250
Lead	48	44	28	5.0	3.5	14	18	1,000	50
Mercury	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	20	2
Molybdenum	1.5	0.25	0.39	0.48	0.50	0.50	0.33	3,500	3,500
Nickel	14	6.0	10	18	19	18	5.5	2,000	200
Selenium	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	100	10
Silver	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	500	50
Thallium	1.5	1.5	1.2	1.0	1.0	1.0	0.50	700	70
Vanadium	38	15	23	41	37	38	30	2,400	240
Zinc	64	110	230	52	48	100	45	5,000	2,500

Notes: B6-1-.5
- Sample depth in feet below surface grade
- Boring number
- Sample/bent identification

< = Less than laboratory detection limits.
TTLC = Total Threshold Limit Concentration.
STLC = Soluble Threshold Limit Concentration.
(5.2/<1.0) = Soluble concentration by Waste Extraction Test (WET) using citric acid and WET using de-ionized water extractant

TABLE 2
SUMMARY OF SOIL ANALYTICAL RESULTS- TITLE 22 METALS
GREENWAY TRAIL PROJECT
WHITTIER, CALIFORNIA

SAMPLE I.D.	T3-1	T3-2	T4-.5	T4-1	T4-2	T5-.5	T5-1	TTLC	10 X STLC
ANALYTE	Results in milligrams per kilogram								
Antimony	0.48	0.50	<0.25	0.48	0.45	1.0	0.50	500	150
Arsenic	**120 (4.8/1.2)**	18	4.0	**60 (7.1/<1.0)**	**90 (4.7/1.3)**	7.5	45	500	50
Barium	130	150	6.0	66	110	85	54	10,000	1,000
Beryllium	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	75	7.5
Cadmium	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	100	10
Chromium	18	27	1.5	12	18	110	8.0	2,500	5,600
Cobalt	10	14	2.0	6.0	9.0	2.5	4.5	8,000	800
Copper	18	22	4.0	12	20	14	10	2,500	250
Lead	3.5	4.5	3.5	2.5	3.5	25	15	1,000	50
Mercury	<0.10	<0.10	0.11	<0.10	<0.10	<0.10	<0.10	20	2
Molybdenum	0.39	0.42	<0.25	<0.25	0.29	0.42	<0.25	3,500	3,500
Nickel	14	19	1.5	9.0	16	4.5	6.0	2,000	200
Selenium	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	100	10
Silver	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	500	50
Thallium	1.0	1.5	<0.25	1.0	1.0	3.0	1.5	700	70
Vanadium	36	53	5.5	24	35	**500 (11/<1.0)**	25	2,400	240
Zinc	48	57	20	34	46	34	110	5,000	2,500

Notes: B6-1-.5
- Sample depth in feet below surface grade
- Boring number
- Sample/bent identification

< = Less than laboratory detection limits.
TTLC = Total Threshold Limit Concentration.
STLC = Soluble Threshold Limit Concentration.
(5.2/<1.0) = Soluble concentration by Waste Extraction Test (WET) using citric acid and WET using de-ionized water extractant

TABLE 2
SUMMARY OF SOIL ANALYTICAL RESULTS- TITLE 22 METALS
GREENWAY TRAIL PROJECT
WHITTIER, CALIFORNIA

SAMPLE I.D.	T5-2	T6-.5	T6-1	T6-2	T7-.5	T7-1	T7-2	TTLC	10 X STLC
ANALYTE	Results in milligrams per kilogram								
Antimony	0.40	0.50	0.43	0.45	1.0	0.50	0.31	500	150
Arsenic	**100 (4.2/1.2)**	44	**84 (3.7/<1.0)**	9.5	46	46	45	500	50
Barium	150	62	150	160	140	100	150	10,000	1,000
Beryllium	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	75	7.5
Cadmium	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	100	10
Chromium	18	26	15	16	52	22	15	2,500	5,600
Cobalt	9.0	3.5	7.5	8.0	6.0	7.0	8.0	8,000	800
Copper	20	12	17	18	**1,000 (25/<1.0)**	160	22	2,500	250
Lead	3.5	20	3.5	3.0	**190 (6.1/<1.0)**	20	3.5	1,000	50
Mercury	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	20	2
Molybdenum	0.50	0.50	1.0	1.5	1.5	0.50	1.0	3,500	3,500
Nickel	17	6.5	15	16	33	13	16	2,000	200
Selenium	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	100	10
Silver	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	500	50
Thallium	1.5	1.0	0.50	0.50	1.0	1.0	0.50	700	70
Vanadium	40	79	35	38	88	83	36	2,400	240
Zinc	59	64	120	46	260	160	46	5,000	2,500

Notes: B6-1-.5
- Sample depth in feet below surface grade
- Boring number
- Sample/bent identification

< = Less than laboratory detection limits.
TTLC = Total Threshold Limit Concentration.
STLC = Soluble Threshold Limit Concentration.
(5.2/<1.0) = Soluble concentration by Waste Extraction Test (WET) using citric acid and WET using de-ionized water extractant

TABLE 2
SUMMARY OF SOIL ANALYTICAL RESULTS- TITLE 22 METALS
GREENWAY TRAIL PROJECT
WHITTIER, CALIFORNIA

SAMPLE I.D.	T8-1	T8-STK	T8-5.5	T8-7	T12-.5	T12-1	T12-2	TTLC	10 X STLC
ANALYTE	Results in milligrams per kilogram								
Antimony	0.27	<0.25	<0.25	<0.25	7.0	0.50	0.37	500	150
Arsenic	6.0	32	11	14	32	44	10	500	50
Barium	100	**3,600 (11/<1.0)**	170	210	7.5	50	130	10,000	1,000
Beryllium	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	75	7.5
Cadmium	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	100	10
Chromium	9.5	76 (0.18 HEX)	12	14	0.50	47	17	2,500	5,600
Cobalt	4.0	4.5	7.0	8.0	17	4.5	7.5	8,000	800
Copper	14	64	30	29	**460 (<1.0/<1.0)**	16	20	2,500	250
Lead	25	**5,800**	**140 (74/<1.0)**	**160 (<1.0/<1.0)**	**630 (5.2/<1.0)**	38	3.0	1,000	50
Mercury	1.0	1.7	0.19	<0.10	<0.10	<0.10	0.20	20	2
Molybdenum	0.50	1.5	1.5	1.0	40	0.50	2.0	3,500	3,500
Nickel	10	10	16	16	3.0	9.0	20	2,000	200
Selenium	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	100	10
Silver	<0.15	2.5	<0.15	1.5	0.19	<0.15	<0.15	500	50
Thallium	0.50	3.0	0.50	1.0	0.31	0.50	1.0	700	70
Vanadium	19	18	29	31	0.50	73	40	2,400	240
Zinc	100	940	360	310	420	110	52	5,000	2,500

Notes: B6-1-.5
- Sample depth in feet below surface grade
- Boring number
- Sample/bent identification

< = Less than laboratory detection limits.
TTLC = Total Threshold Limit Concentration.
STLC = Soluble Threshold Limit Concentration.
HEX = Hexavalent Chromium
(5.2/<1.0) = Soluble concentration by Waste Extraction Test (WET) using citric acid and WET using de-ionized water extractant

TABLE 2
SUMMARY OF SOIL ANALYTICAL RESULTS- TITLE 22 METALS
GREENWAY TRAIL PROJECT
WHITTIER, CALIFORNIA

SAMPLE I.D.	T15-.5	T15-1	T15-2	T16-.5	T16-1	T16-2	T19-.5	TTLC	10 X STLC
ANALYTE	Results in milligrams per kilogram								
Antimony	<0.25	0.27	0.29	1.0	<0.25	0.40	1.0	500	150
Arsenic	**60 (3.7/<1.0)**	16	8.0	18	18	15	13	500	50
Barium	94	170	120	160	140	150	84	10,000	1,000
Beryllium	<0.15	<0.15	<0.15	1.0	<0.15	<0.15	<0.15	75	7.5
Cadmium	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	100	10
Chromium	9.5	16	13	200 (<0.1 HEX)	15	18	20	2,500	5,600
Cobalt	6.5	7.5	6.5	1.5	7.5	8.5	7.0	8,000	800
Copper	140	22	16	12	20	22	39	2,500	250
Lead	**94 (<1.0/<1.0)**	5.5	2.5	7.0	5.5	6.5	**84 (2.5/<1.0)**	1,000	50
Mercury	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.27	20	2
Molybdenum	18	3.5	1.5	<0.25	2.0	2.0	1.0	3,500	3,500
Nickel	22	23	16	7.5	18	22	13	2,000	200
Selenium	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	100	10
Silver	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	500	50
Thallium	0.50	0.50	0.50	2.5	0.50	1.0	0.50	700	70
Vanadium	22	40	32	**1,000 (7.5/<1.0)**	36	42	34	2,400	240
Zinc	440	66	42	18	86	74	140	5,000	2,500

Notes: B6-1-.5
- Sample depth in feet below surface grade
- Boring number
- Sample/bent identification

< = Less than laboratory detection limits.
TTLC = Total Threshold Limit Concentration.
STLC = Soluble Threshold Limit Concentration.
HEX = Hexavalent Chromium
(5.2/<1.0) = Soluble concentration by Waste Extraction Test (WET) using citric acid and WET using de-ionized water extractant

TABLE 2
SUMMARY OF SOIL ANALYTICAL RESULTS- TITLE 22 METALS
GREENWAY TRAIL PROJECT
WHITTIER, CALIFORNIA

SAMPLE I.D.	T19-1	T19-2	T24-.5	T24-1	T24-2	T25-.5	T25-1	TTLC	10 X STLC
ANALYTE	Results in milligrams per kilogram								
Antimony	0.50	0.32	2.5	0.50	0.29	1.0	0.25	500	150
Arsenic	9.5	18	**70 (<1.0/<1.0)**	32	9.0	20	20	500	50
Barium	68	40	96	43	170	60	37	10,000	1,000
Beryllium	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	75	7.5
Cadmium	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	100	10
Chromium	11	7.0	5.0	5.5	14	100	8.0	2,500	5,600
Cobalt	8.0	4.5	6.5	3.0	6.5	6.5	3.5	8,000	800
Copper	23	9.5	**510 (<1.0/<1.0)**	8.5	20	240	12	2,500	250
Lead	28	29	**330 (<1.0/<1.0)**	10	8.0	43	6.5	1,000	50
Mercury	<0.10	0.10	0.17	<0.10	0.11	<0.10	<0.10	20	2
Molybdenum	0.38	0.42	97	0.50	1.0	42	0.50	3,500	3,500
Nickel	9.0	6.5	5.0	4.5	15	6.5	5.0	2,000	200
Selenium	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	100	10
Silver	<0.15	<0.15	0.50	<0.15	<0.15	<0.15	<0.15	500	50
Thallium	1.0	0.50	0.28	0.50	0.50	1.0	0.50	700	70
Vanadium	30	16	8.0	16	32	120	20	2,400	240
Zinc	63	64	660	260	46	150	73	5,000	2,500

Notes: B6-1-.5
- Sample depth in feet below surface grade
- Boring number
- Sample/bent identification

< = Less than laboratory detection limits.
TTLC = Total Threshold Limit Concentration.
STLC = Soluble Threshold Limit Concentration.
(5.2/<1.0) = Soluble concentration by Waste Extraction Test (WET) using citric acid and WET using de-ionized water extractant

TABLE 2
SUMMARY OF SOIL ANALYTICAL RESULTS- TITLE 22 METALS
GREENWAY TRAIL PROJECT
WHITTIER, CALIFORNIA

SAMPLE I.D.	T25-2	T26-.5	T26-1	T26-2	T28-.5	T28-1	T28-2	TTLC	10 X STLC
ANALYTE	Results in milligrams per kilogram								
Antimony	0.50	2.0	<0.25	0.38	1.0	<0.25	0.37	500	150
Arsenic	16	12	16	41	34	16	20	500	50
Barium	150	60	36	180	130	32	160	10,000	1,000
Beryllium	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	75	7.5
Cadmium	<0.15	<0.15	<0.15	0.16	<0.15	<0.15	<0.15	100	10
Chromium	26	170	5.5	21	60	6.0	22	2,500	5,600
Cobalt	11	2.5	3.5	8.5	4.5	3.5	8.0	8,000	800
Copper	25	10	5.5	24	14	5.5	24	2,500	250
Lead	4.0	18	2.0	4.5	42	4.5	6.0	1,000	50
Mercury	<0.10	0.14	<0.10	<0.10	0.12	<0.10	<0.10	20	2
Molybdenum	0.50	<0.25	0.30	3.0	0.50	<0.25	2.5	3,500	3,500
Nickel	20	2.5	4.0	29	8.0	4.5	26	2,000	200
Selenium	<0.25	2.5	<0.25	<0.25	<0.25	<0.25	<0.25	100	10
Silver	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	500	50
Thallium	1.5	10	0.48	1.0	1.5	0.50	1.5	700	70
Vanadium	46	**710 (1.8/<1.0)**	15	50	130	16	50	2,400	240
Zinc	110	38	200	71	340	92	68	5,000	2,500

Notes: B6-1-.5
- Sample depth in feet below surface grade
- Boring number
- Sample/bent identification

< = Less than laboratory detection limits.
TTLC = Total Threshold Limit Concentration.
STLC = Soluble Threshold Limit Concentration.
(5.2/<1.0) = Soluble concentration by Waste Extraction Test (WET) using citric acid and WET using de-ionized water extractant

TABLE 2
SUMMARY OF SOIL ANALYTICAL RESULTS- TITLE 22 METALS
GREENWAY TRAIL PROJECT
WHITTIER, CALIFORNIA

SAMPLE I.D.	T30-.5	T30-1	T30-2	T31-.5	T31-1	T31-2	T31-SLAG	TTLC	10 X STLC
ANALYTE	Results in milligrams per kilogram								
Antimony	0.50	<0.25	0.32	0.50	0.50	0.28	0.30	500	150
Arsenic	**64 (2.8/<1.0)**	28	28	22	34	26	2.0	500	50
Barium	94	38	130	76	98	44	9.5	10,000	1,000
Beryllium	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	75	7.5
Cadmium	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	100	10
Chromium	66	7.5	18	15	18	8.0	1.0	2,500	5,600
Cobalt	6.5	4.0	7.5	8.0	8.0	4.0	12	8,000	800
Copper	18	6.5	18	**330 (<1.0/<1.0)**	26	7.5	**300 (<1.0/<1.0)**	2,500	250
Lead	28	3.0	3.5	**84 (<1.0/<1.0)**	40	2.5	28	1,000	50
Mercury	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	20	2
Molybdenum	1.0	0.37	1.5	4.5	1.0	0.44	5.0	3,500	3,500
Nickel	11	5.0	18	12	16	6.5	5.0	2,000	200
Selenium	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	100	10
Silver	<0.15	<0.15	<0.15	0.30	<0.15	<0.15	0.37	500	50
Thallium	1.5	0.50	0.50	1.0	1.0	0.50	<0.25	700	70
Vanadium	110	20	38	28	36	18	1.5	2,400	240
Zinc	100	98	57	180	240	220	87	5,000	2,500

Notes: B6-1-.5
- Sample depth in feet below surface grade
- Boring number
- Sample/bent identification

< = Less than laboratory detection limits.
TTLC = Total Threshold Limit Concentration.
STLC = Soluble Threshold Limit Concentration.
(5.2/<1.0) = Soluble concentration by Waste Extraction Test (WET) using citric acid and WET using de-ionized water extractant

TABLE 3
SUMMARY OF SOIL ANALYTICAL RESULTS – PETROLEUM HYDROCARBONS
GREENWAY TRAIL PROJECT
WHITTIER, CALIFORNIA

SAMPLE I.D.	DATE	TPHg (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)	VOCS EPA 8020 (µg/kg)	VOCS EPA 8260 (µg/kg)	SVOCs (µg/kg)
Detection Limit		<1.0	<1.0	<1.0	STD	STD	STD
T3-TIE G	8/23/01	---	<20	**1,600**	---	---	**35,000**[1]
T7-TIE G	8/23/01	---	<10	**340**	---	---	---
T8-STK	8/23/01	<1.0	<5.0	**250**	ND	**6.9**[2]	---
T8-5.5	8/23/01	<1.0	<10	**820**	ND	ND	---
T8-7	8/23/01	<1.0	<1.0	**5.2**	ND	ND	---
T9-1	8/23/01	---	<1.0	**96**	---	---	---
T10-1	8/23/01	<1.0	<1.0	**4.9**	ND	---	---
T11-2	8/23/01	<1.0	<1.0	**5.7**	ND	---	---
T13-2	8/23/01	<1.0	<1.0	**3.1**	ND	---	---
T18-1	8/23/01	---	<1.0	**17**	---	ND	---
T20-2	8/23/01	<1.0	<1.0	**6.5**	ND	**34**[3]	---
T21-1	8/23/01	---	---	---	---	ND	---
T22-2	8/23/01	---	<1.0	**7.1**	---	---	---
T23-1	8/23/01	---	<1.0	**5.1**	---	---	---
T29-1	8/23/01	<1.0	<5.0	**170**	ND	---	---

Notes:
TPHg = Total petroleum hydrocarbons as gasoline
TPHd = Total petroleum hydrocarbons as diesel
TPHmo = Total petroleum hydrocarbons as motor oil
µg/kg = Micrograms per kilogram
mg/kg = Milligrams per kilogram
GRO = Gasoline Range Organics by EPA Test Method 8015
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds by EPA Test Method 8270
1 = SVOC = Fluoranthene
2 = VOC = Naphthalene
3 = VOC = Trichloroethene

< = Less than laboratory test method detection limits
--- = Not analyzed
ND = not detected above method detection limit
STD = Standard method detection limit for each constituent
BOLD = Detection

TABLE 4
SUMMARY OF SOIL ANALYTICAL RESULTS – PESTICIDES, PCBs AND HERBICIDES
GREENWAY TRAIL PROJECT
WHITTIER, CALIFORNIA

SAMPLE I.D.	DATE	PESTICIDES EPA TEST METHOD 8081 (µg/kg)	PCBs EPA TEST METHOD 8081 (µg/kg)	HERBICIDES EPA TEST METHOD 8151 (µg/kg)
Detection Limit		STD	STD	STD
T2-.5	8/23/01	ND	ND	ND
S1-.5	8/23/01	**6.2[1], 20[2], 46[3], 9.2[4], 60[5], 5.7[6], 9.5[7], 2.6[8]**	**220[9]**	ND
S2-.5	8/23/01	ND	ND	ND
S5-.5	8/23/01	ND	ND	ND
S6-.5	8/23/01	**14[2], 23[3], 16[4], 130[5], 10[6], 16[7]**	ND	ND
S7-.5	8/23/01	**41[1], 110[2], 46[3], 84[4], 370[5], 250[6], 64[7], 11[8]**	ND	ND
S8-0	8/23/01	ND	ND	ND
S9A-0	8/23/01	ND	ND	ND
T14-1	8/23/01	ND	ND	ND
T17-1.5	8/23/01	ND	ND	ND
T27-1	8/23/01	ND	ND	ND

Notes:
< = Less than laboratory test method detection limits
--- = Not analyzed
µg/kg = Micrograms per kilogram
STD = Standard method detection limit for each constituent
PCBs= Poly chlorinated Biphenyls
ND = not detected above method detection limit
PRG = Preliminary Remediation Goal
1 = 4,4'-DDD (Residential PRG = 2,400 µg/kg)
2 = 4,4'-DDE (Residential PRG = 1,700 µg/kg)
3 = 4,4'-DDT (Residential PRG = 1,700 µg/kg)
4 = alpha-Chlordane (Residential PRG = 1,600 µg/kg)
5 = Chlordane (Residential PRG = 1,600 µg/kg)
6 = Dieldrin (Residential PRG = 30 µg/kg)
7 = gamma-Chlordane (Residential PRG = 1,600 µg/kg)
8 = Heptachlor epoxide (Residential PRG = 53 µg/kg)
9 = PCBs = Aroclor 1260 (Residential PRG = 220 µg/kg)
BOLD = Detection

TABLE 5
SUMMARY OF SOIL AND PAINT CHIP ANALYTICAL RESULTS - TOTAL AND SOLUBLE LEAD AND TOTAL ARSENIC
GREENWAY TRAIL PROJECT
WHITTIER, CALIFORNIA

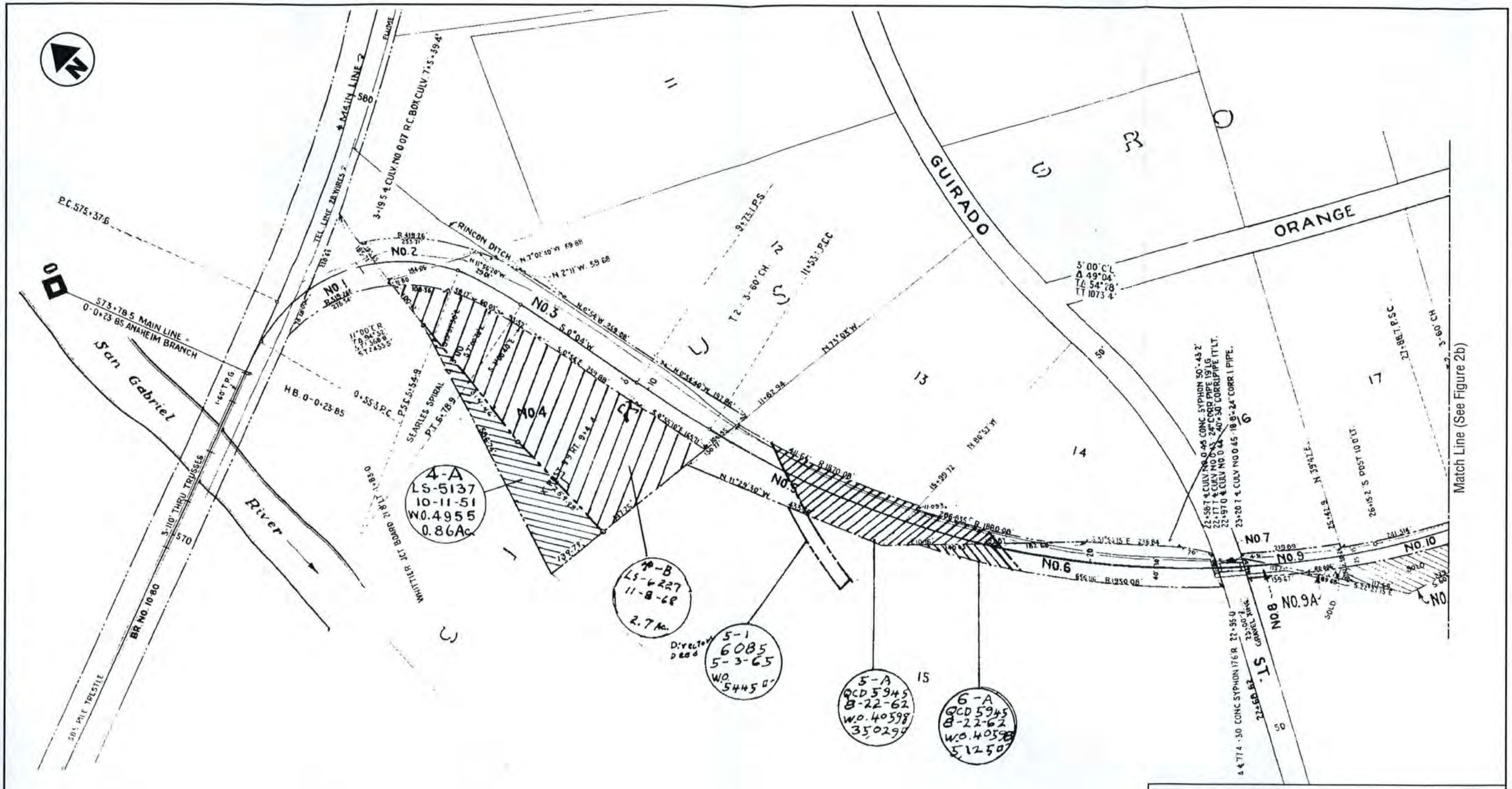
SAMPLE I.D.	TOTAL LEAD EPA METHOD 6010 (mg/kg)	WET LEAD EPA METHOD 6010 (mg/l)	DI-WET LEAD EPA METHOD 6010 (mg/l)	TOTAL ARSENIC EPA METHOD 6010 (mg/kg)
T3-TIEG	22	---	---	10
SD BOX #1 PAINT	**1,100**	---	---	---
SD BOX #1 SOIL	**60**	2.2	<1.0	---
S1-.5	16	---	---	25
S2-.5	13	---	---	8.0
S3-0	**120**	1.4	<1.0	---
S4-0	4.0	---	---	---
S5-.5	6.0	---	---	7.5
S6-.5	34	---	---	12
S7-.5	**66**	---	---	9.0
RET WALL #1 PAINT	6.0	---	---	---
RET WALL #1 SOIL	**82**	**9.5**	<1.0	---
T7-TIEG	**100**	---	---	46
T9-1	7.5	---	---	9.5
T10-1	4.0	---	---	7.0
S8-0	**50**	---	---	6.5
T11-2	4.0	---	---	**99**
S9A-0	**150**	---	---	12
S9B-0	**120**	2.7	<1.0	---
T13-2	4.0	---	---	7.0
T14-1	5.0	---	---	8.0
T17-1.5	12	---	---	36
T18-1	34	---	---	22
T20-2	15	---	---	8.0

TABLE 5
SUMMARY OF SOIL AND PAINT CHIP ANALYTICAL RESULTS - TOTAL AND SOLUBLE LEAD AND TOTAL ARSENIC
GREENWAY TRAIL PROJECT
WHITTIER, CALIFORNIA

SAMPLE I.D.	TOTAL LEAD EPA METHOD 6010 (mg/kg)	WET LEAD EPA METHOD 6010 (mg/l)	DI-WET LEAD EPA METHOD 6010 (mg/l)	TOTAL ARSENIC EPA METHOD 6010 (mg/kg)
T22-2	3.5	---	---	8.0
T23-1	14	---	---	16
S10-0	**260**	**8.2**	<1.0	---
T27-1	33	---	---	9.0
T29-1	<0.25	---	---	<0.25

Notes: mg/kg = Milligrams per kilogram
mg/l = Milligrams per liter
WET = Waste Extract Test method using an acid extract
DI-WET = Waste Extract Test method using a deionized water extract
--- = Not analyzed
< = Less than laboratory reporting limits
BOLD = Greater than Total Threshold Limit Concentration of 1,000 mg/kg or
10 times Soluble Threshold Limit Concentration of 5 mg/l (50 mg/kg) for total lead concentrations.
BOLD = Greater than Soluble Threshold Limit Concentration of 5 mg/l for WET lead concentrations.
BOLD = Greater than 10 times Soluble Threshold Limit Concentration of 5 mg/l (50 mg/kg) for total arsenic concentrations.

APPENDIX A



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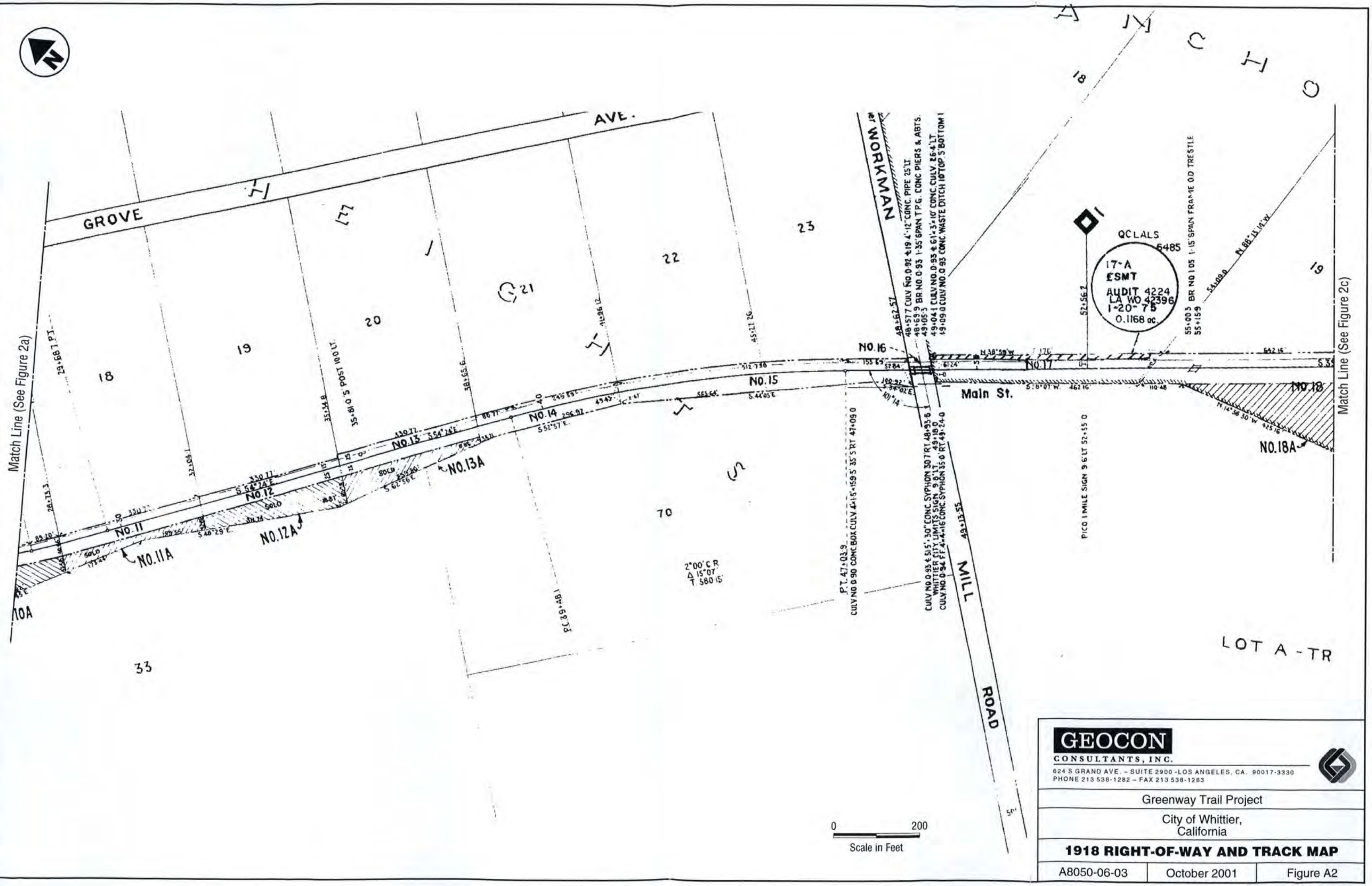
Greenway Trail Project

City of Whittier, California

1918 RIGHT-OF-WAY AND TRACK MAP

A8050-06-03	October 2001	Figure A1



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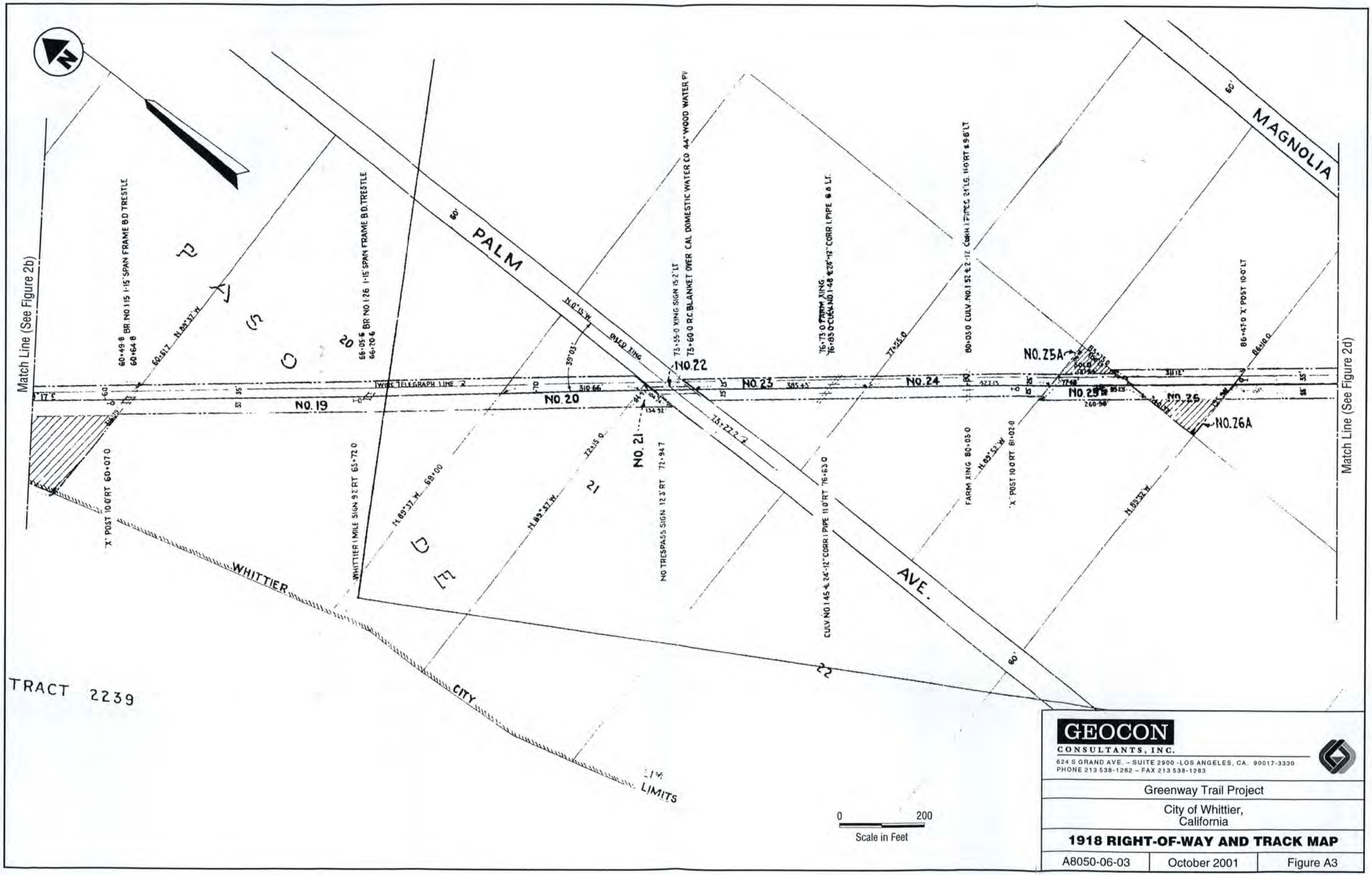
1918 RIGHT-OF-WAY AND TRACK MAP

A8050-06-03	October 2001	Figure A2



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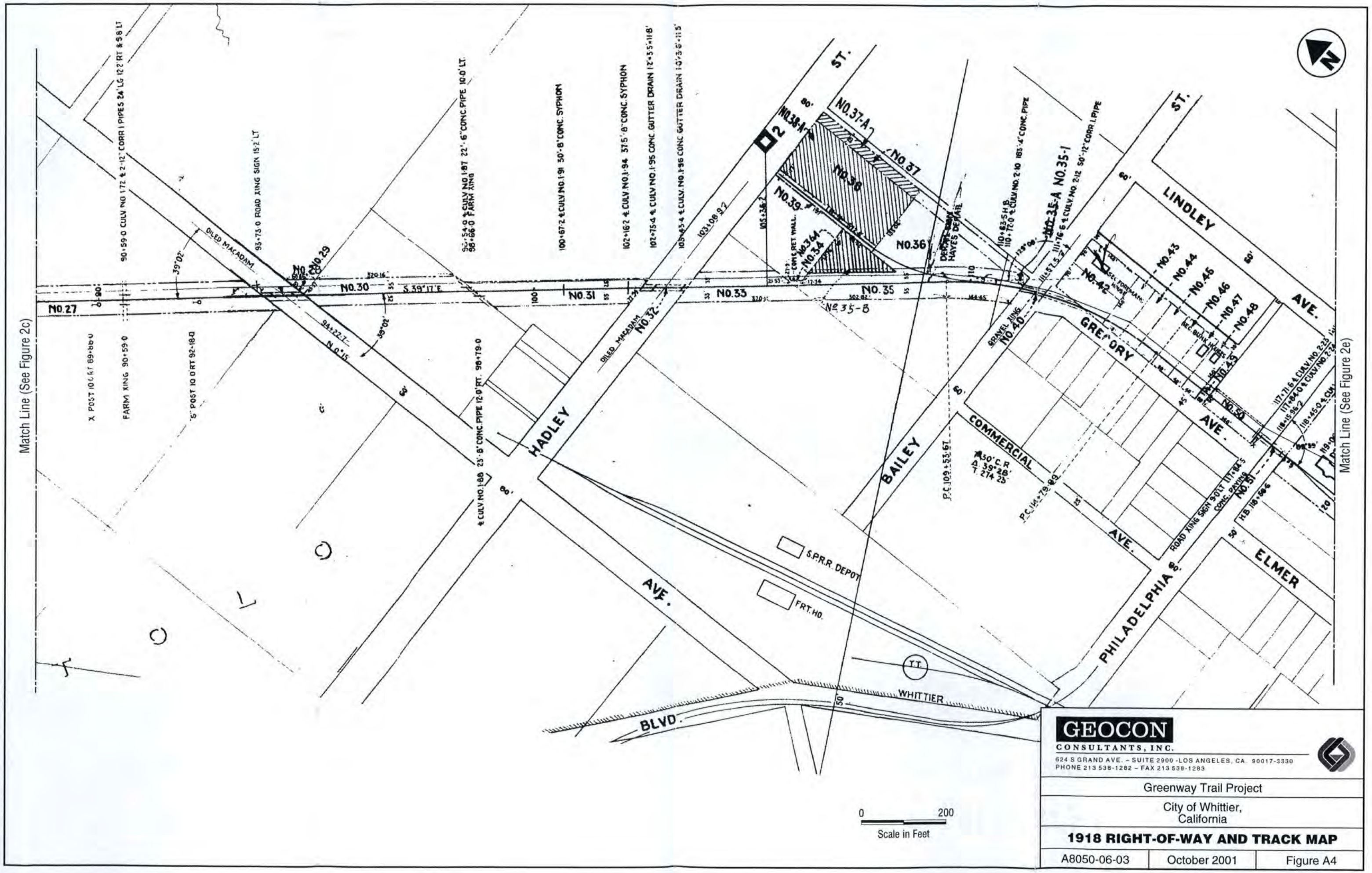
1918 RIGHT-OF-WAY AND TRACK MAP

A8050-06-03	October 2001	Figure A3



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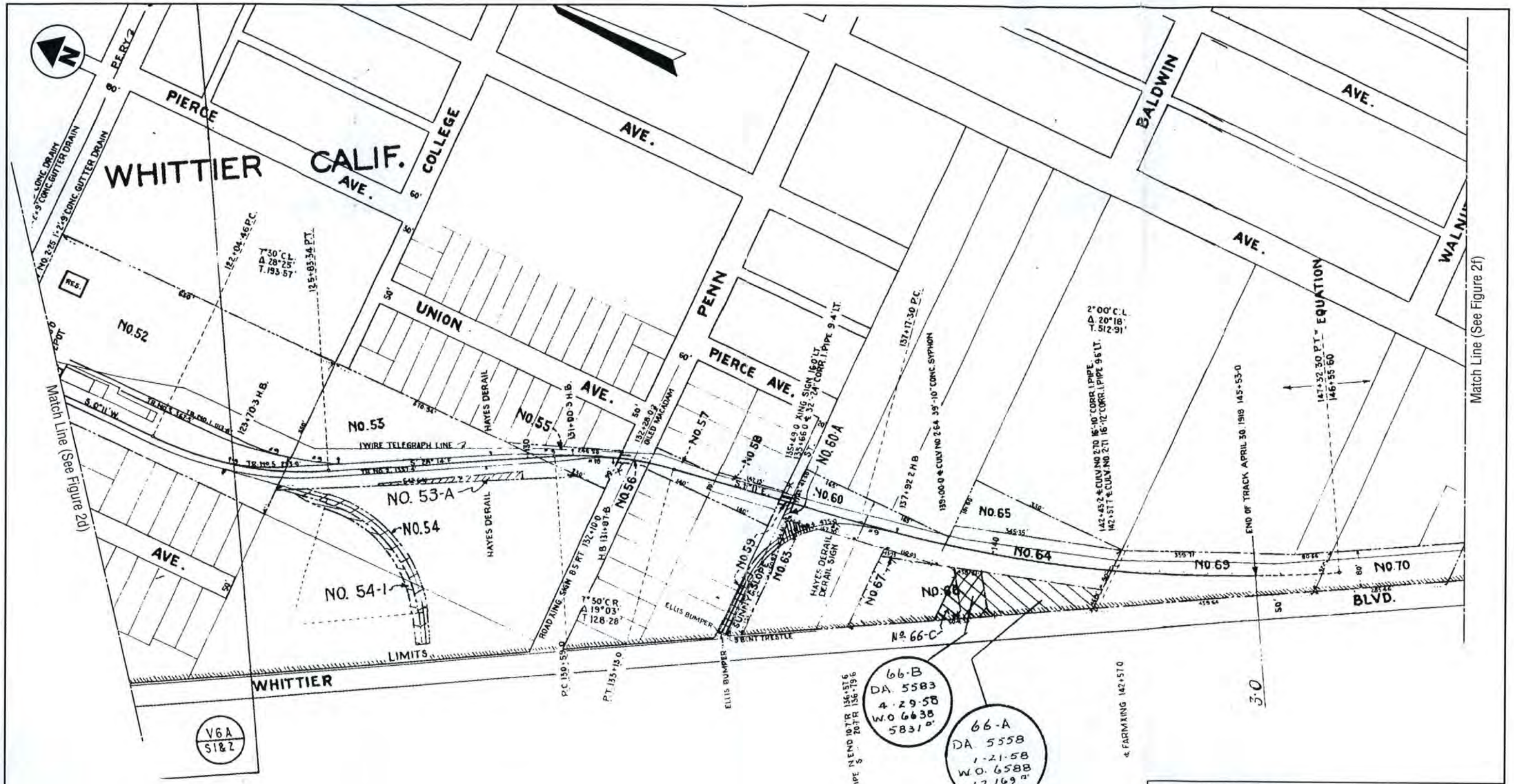
1918 RIGHT-OF-WAY AND TRACK MAP

A8050-06-03	October 2001	Figure A4



0 200
Scale in Feet

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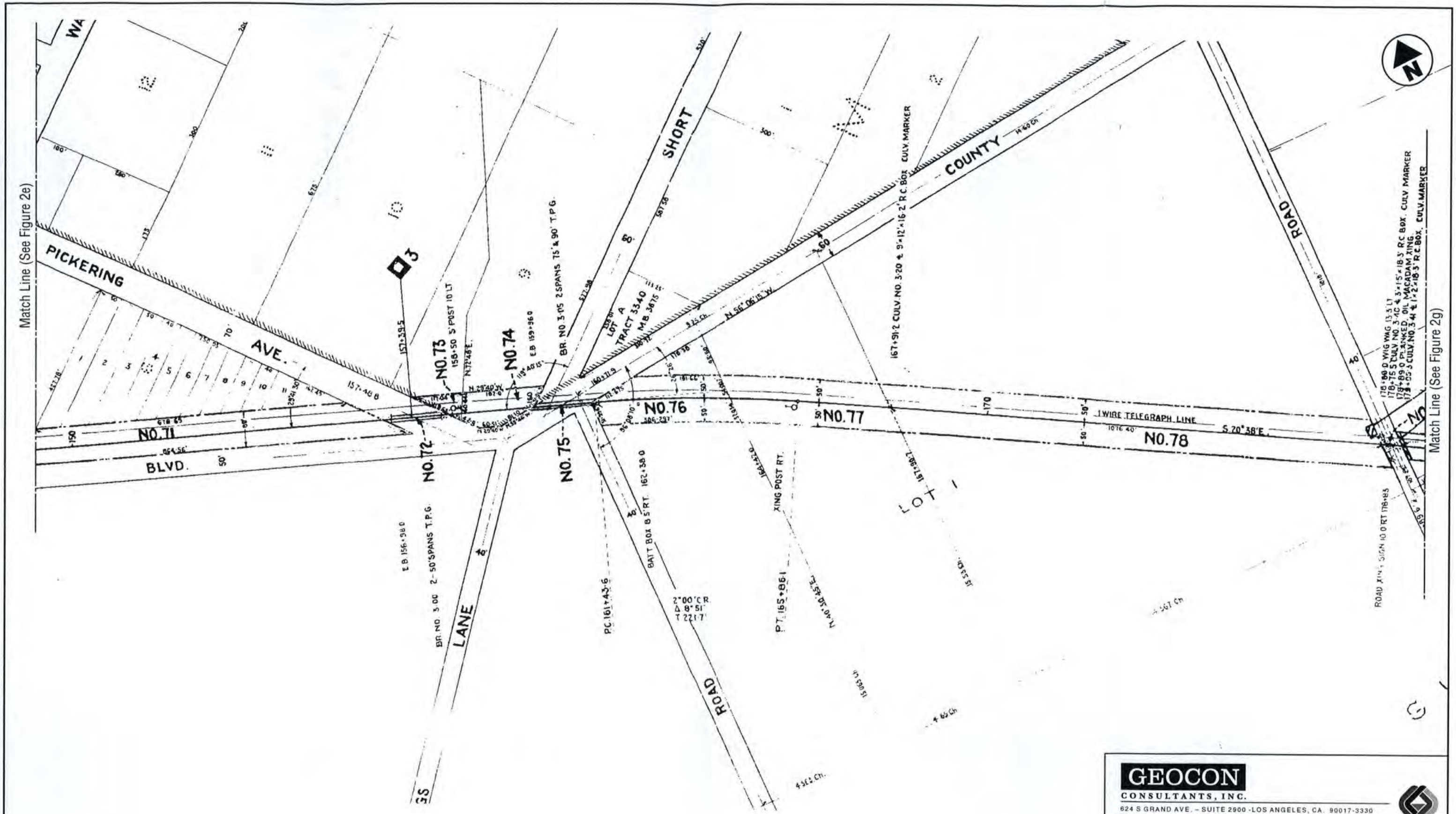
1918 RIGHT-OF-WAY AND TRACK MAP

A8050-06-03	October 2001	Figure A5



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1918 RIGHT-OF-WAY AND TRACK MAP

A8050-06-03	October 2001	Figure A6

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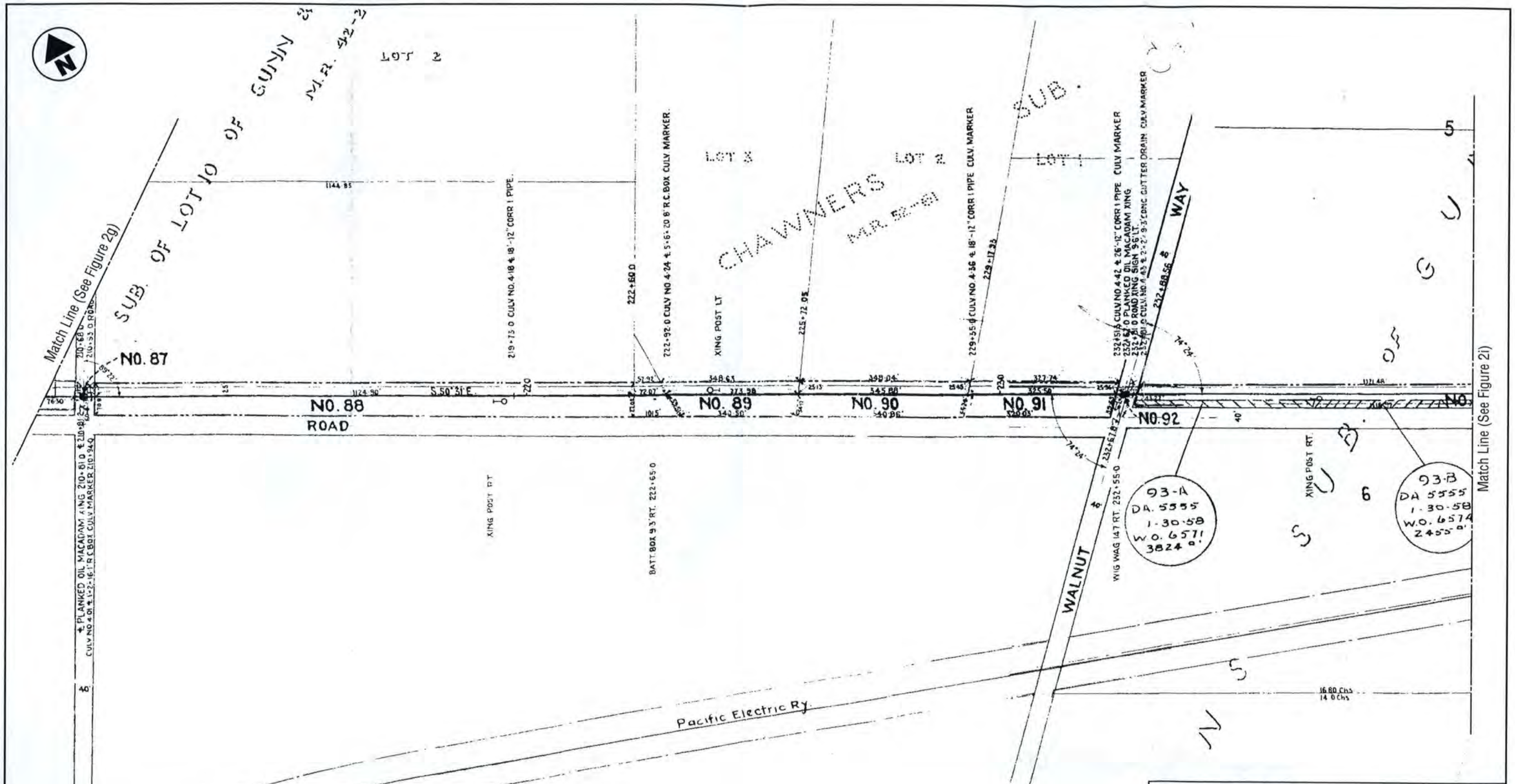
1918 RIGHT-OF-WAY AND TRACK MAP

A8050-06-03	October 2001	Figure A7



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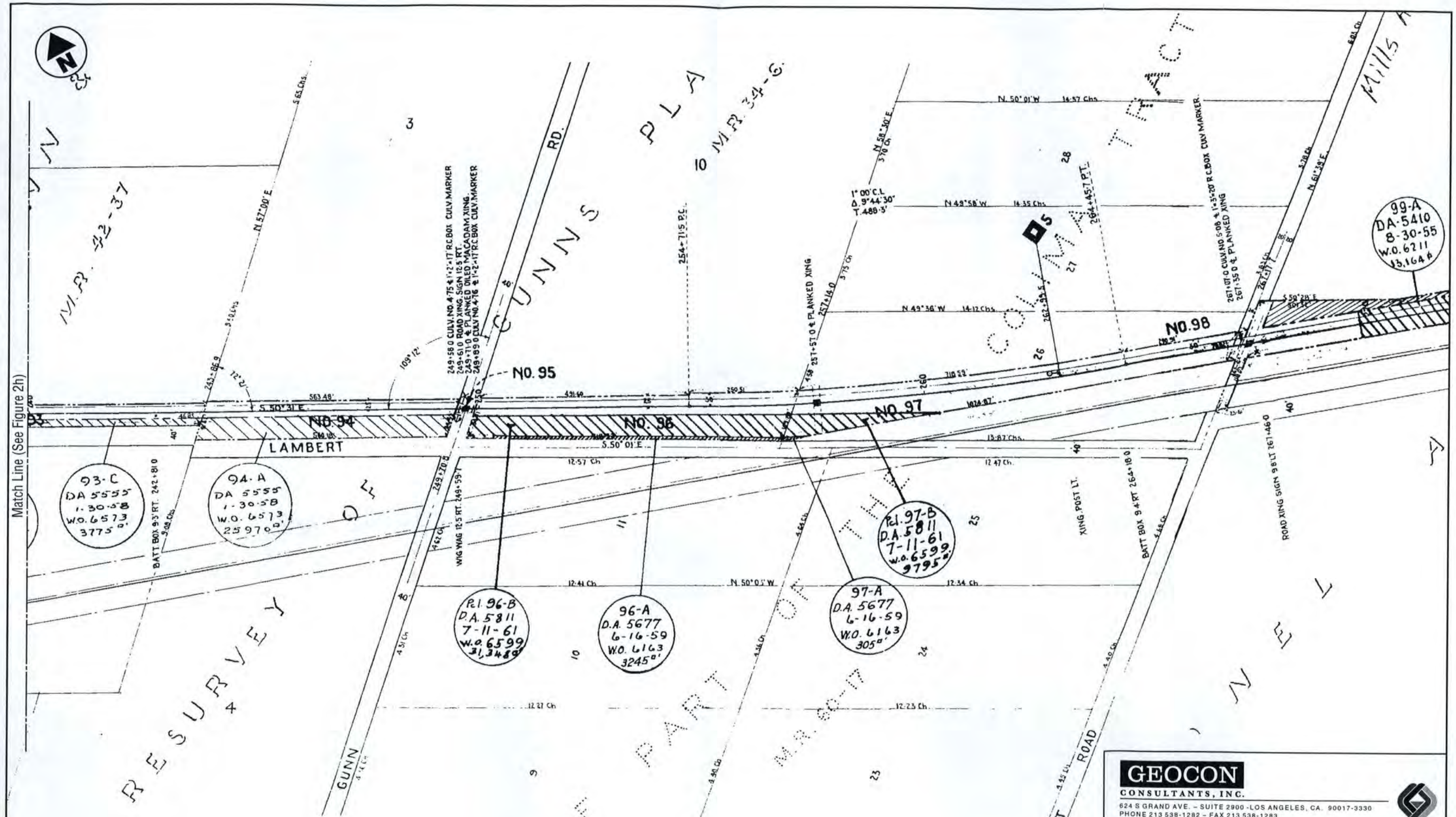
Greenway Trail Project

City of Whittier, California

1918 RIGHT-OF-WAY AND TRACK MAP

A8050-06-03	October 2001	Figure A8



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Greenway Trail Project

City of Whittier, California

1918 RIGHT-OF-WAY AND TRACK MAP

A8050-06-03	October 2001	Figure A9

APPENDIX B

GEOCON
CONSULTANTS, INC.
ENVIRONMENTAL ∋ GEOTECHNICAL ∋ MATERIALS

Project No. A8050-06-03
October 11, 2001

Mr. Kirk E. Trost
Hyde, Miller, Owen & Trost
428 J Street, Suite 400
Sacramento, California 95814

Subject: GREENWAY TRAIL PROJECT
ABANDONED UNION PACIFIC RAILROAD CORRIDOR
ASBESTOS AND LEAD-CONTAINING PAINT SURVEYS

Dear Mr. Trost:

Geocon Consultants, Inc. has performed asbestos and lead-containing paint surveys at the subject site. The scope of services provided by Geocon included surveying four bridges for asbestos and lead-containing paint, collecting bulk samples, and submitting the samples to laboratories for analyses.

PROJECT LOCATION AND PROPOSED IMPROVEMENTS

The subject site consists of the following four bridge structures associated with an abandoned Union Pacific Railroad (UP) corridor in Whittier, California:

- Interstate 605 Overcrossing;
- Norwalk Boulevard Overcrossing;
- Pickering Avenue Overcrossing; and
- Whittier Boulevard Overcrossing.

The proposed project involves the acquisition of the UP corridor and the associated bridge structures by the City of Whittier for potential redevelopment as a pedestrian trail. The approximate location of the *Site* and associated bridge structures are depicted on the Project Location Map, Figure 1. Photographs of the individual bridges, suspect materials, and sample locations are presented on Figures 2 through 5.

PURPOSE

The purpose of the scope of work was to determine the presence and quantity of asbestos and deteriorated lead-containing paint on the bridges. The information obtained from this investigation may be used to estimate removal and disposal costs and coordinate asbestos and/or lead-containing paint abatement, if necessary, in conjunction with future bridge renovation and/or demolition work.

FIELD ACTIVITIES

The following field activities were performed in conjunction with the Phase II Environmental Site Assessment for the Greenway Trail Project.

11075 Sunrise Park Drive, Suite 100 ∋ Rancho Cordova, California 95742 ∋ Telephone (916) 852-9118 ∋ Fax (916) 852-9102

Asbestos Survey

The *Code of Federal Regulations (CFR),* 40 CFR 61, Subpart M, National Emissions Standards for Hazardous Air Pollutants (NESHAP) and Federal Occupational Safety and Health Administration (FED OSHA) classify asbestos-containing materials (ACM) as any material or product which contains more than 1% asbestos. Nonfriable ACM are classified by NESHAP as either Category I or Category II material defined as follows:

- **Category I** – asbestos-containing packings, gaskets, resilient floor coverings, and asphalt roofing products.
- **Category II** – all remaining types of non-friable asbestos-containing material not included in Category I that when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

Regulated asbestos-containing material (RACM) is classified as any material that contains greater than 1% asbestos by dry weight and is:

1. Friable; or
2. Category I material that has become friable; or
3. Category I material that has been subjected to sanding grinding, cutting or abrading; or
4. Category II non-friable material that has a high probability of becoming crumbled, pulverized, or reduced to a powder during demolition or renovation activities.

With respect to potential worker exposure, the California Code of Regulations (CCR), 8 CCR 341.6, defines asbestos-containing construction materials (ACCM) as construction material that contains more than 0.1% asbestos.

Mr. David Watts, a California Certified Asbestos Consultant (CAC), certification No. 98-2404 (expiration September 16, 2002), performed the asbestos surveys of the subject bridge sites on August 15, 2001.

Suspect ACM were grouped into homogeneous areas with representative samples randomly collected from each. In addition, each potential ACM was evaluated for condition (evidence of deterioration, physical damage, and water damage) and friability.

Nine bulk asbestos samples, including thermal system pipe insulation and joint expansion material, were collected from the subject bridge sites. No other suspect ACM were observed.

Geocon's procedures for inspection and sampling in accordance with the Greenway Trail Project are discussed below:

- Collected bulk asbestos samples after first wetting the material with a light mist of water. The samples were then cut from the substrate and transferred to a labeled container. Note that when multiple samples were collected, the sampling locations were distributed throughout the homogeneous area (spaces where the material was observed).
- Relinquished bulk asbestos samples to Advanced Technology Laboratories who subcontracted the analyses to Scientific Laboratories of California (SCILAB), a California-licensed laboratory, for asbestos analysis in accordance with EPA Test Method 600/M4-82-020 using polarized light microscopy (PLM) under standard chain-of-custody procedures. SCILAB is a laboratory accredited by the National Institute of Standards and Technology National Voluntary Laboratory Accreditation Program (NIST-NVLAP) for bulk asbestos

fiber analysis. The laboratory analyses were performed on a standard two-week turn-around-time.

Two of the bridges (Norwalk Boulevard Overcrossing and Whittier Boulevard Overcrossing) contained potentially asbestos-containing expansion joint material. Potentially asbestos-containing thermal system pipe insulation was also observed at the Interstate 605 Overcrossing. Consequently, bulk samples of these materials were collected. Photographs of the materials sampled are presented on Figures 2 through 5. The sample identification numbers, locations, and descriptions of the materials sampled at the Interstate 605, Norwalk Boulevard and Whittier Boulevard Overcrossings are summarized in Table 1.

Lead-Containing Paint Survey

Lead-based paint is defined by Title 17, CCR, Division 1, Chapter 8, §35033 as any surface coating that contains an amount of lead equal to, or in excess of one milligram per square centimeter (1.0 mg/cm^2) or more than half of one percent (0.5%) by weight. However, construction activities (including demolition) which disturb materials containing any amount of lead are subject to certain requirements of the California Division of Occupational Safety and Health (Cal/OSHA) lead standard contained in Title 8, CCR, Section 1532.1. Deteriorated lead-based paint is defined by Title 17, CCR, Division 1, Chapter 8, §35022 as a lead-based surface coating that is cracking, chalking, flaking, chipping, peeling, non-intact, failed, or otherwise separating from a component. Demolition of a deteriorated lead-containing paint (LCP) component would require waste characterization and appropriate disposal. Intact lead-containing paint on a component is currently accepted by most landfill facilities, however, contractor(s) should characterize painted waste materials prior to disposal.

Potential hazards exist to workers who remove or cut through lead-containing paint coatings during demolition. Dust containing hazardous concentrations of lead may be generated during scraping or cutting materials coated with lead-containing paint. Torching of these materials may produce lead oxide fumes. Therefore, air monitoring and/or respiratory protection may be required during the demolition of materials coated with lead-containing paint. Guidelines regarding regulatory provisions for construction work where workers may be exposed to lead are presented in the Title 8, CCR, Section 1532.1.

Mr. David Watts, a Certified Lead-Based Paint Inspector/Assessor and Project Monitor with the California Department of Health Services (DHS), Certification Nos. I-1734 and M-1734, performed the LCP surveys of the subject bridge sites on August 15, 2001. Eighteen LCP samples were collected.

In addition, each painted area was evaluated for evidence of deterioration such as flaking or cracking.

Geocon's procedures for inspection and sampling are discussed below:

- Collected representative bulk samples of suspect LCP using techniques presented in the United States Department of Housing and Urban Development (HUD) guidelines.
- Relinquished LCP samples to Advanced Technology Laboratories (ATL), a California-licensed and Caltrans approved subcontractor, for chemical analysis for total lead following EPA Test Method 6010B under standard chain-of-custody procedures. The laboratory analyses were performed on a standard two-week turn-around-time.

Photographs of the painted components sampled are presented on Figures 2 through 5. The sample identification numbers, locations, colors, and conditions of the paints are summarized in Table 2.

ANALYTICAL RESULTS

Asbestos

Chrysotile asbestos was detected in thermal system pipe insulation collected from the Interstate 605 Overcrossing structure at a concentration of 20%. The insulation was observed to be in good condition during the survey. No asbestos was detected in samples of joint expansion material collected from the Norwalk and Whittier Boulevard bridge structures.

The laboratory asbestos results are summarized in Table 1. Copies of the laboratory report and chain-of-custody documentation are included herein as an attachment.

Lead-Containing Paint

Lead was detected in all of the paint samples collected at each bridge site at concentrations ranging from 110 to 460,000 mg/kg. Lead concentrations of gray paint (typically applied to superstructures) ranged from 11,000 to 460,000 mg/kg and were observed to be intact. Lead concentrations of beige paint (typically applied to abutments) ranged from 110 to 560 mg/kg. However, beige-painted abutments at the Norwalk Boulevard, Pickering Avenue, and Whittier Boulevard overcrossings were observed to be significantly flaking or peeling.

The laboratory LCP results are summarized in Table 2. Copies of the laboratory report and chain-of-custody documentation are included herein as an attachment.

CONCLUSIONS AND RECOMMENDATIONS

Asbestos

Based on the analytical test results, Geocon recommends that thermal system pipe insulation used on the Interstate 605 Overcrossing structure be removed and disposed of by a licensed and certified asbestos abatement contractor prior to planned bridge renovation and/or demolition activities that would disturb the pipe insulation materials. The estimated quantity of pipe insulation ACM is 1,200 square feet. For preliminary planning purposes only, the approximate abatement cost for this material is $12,500.

Lead-Containing Paint

Based on the analytical test results, Geocon recommends that peeling/flaking LCP observed on the abutments of the Norwalk, Pickering and Whittier Boulevard bridge sites be removed and disposed of prior to planned bridge renovation and/or demolition work. The contractor should be required to use personnel who have lead-related construction certification as supervisors or workers, as appropriate, from the California DHS for LCP removal work. Loose and peeling/flaking LCP require removal prior to demolition for waste segregation purposes: to separate potentially hazardous (Category III concentrated lead) waste from non-hazardous demolition debris (Category II intact lead-painted architectural components). For preliminary planning purposes only, the approximate abatement cost for deteriorated lead-containing abutment paint is $10,500.

Geocon also recommends that painted surfaces at the bridge sites be treated as lead-containing for purposes of determining the applicability of the Cal/OSHA lead standard during any maintenance, renovation, or demolition activities. This recommendation is based on LCP sample results, the age of

the bridges, and the fact that lead was a common ingredient of paints manufactured before 1978 and is still an ingredient of some industrial paints.

Typically, only paints that are peeling, flaking, or have otherwise become separated from their substrate are of concern from a hazardous waste standpoint. The California Department of Toxic Substances Control (DTSC) "does not generally expect intact painted building materials to exhibit a characteristic of hazardous waste when disposed of." However, construction activities (including renovation or demolition) which disturb materials containing any amount of lead are subject to certain requirements of the Cal/OSHA lead standard contained in Title 8, CCR, Section 1532.1. Intact lead-painted building materials that are removed/demolished should not require disposal as hazardous waste; however, contractor(s) should characterize painted waste materials prior to disposal.

LIMITATIONS

The asbestos and lead-containing paint surveys were conducted in conformance with generally accepted standards of practice for identifying and evaluating asbestos and lead-containing paint in structures. However, asbestos and/or lead-containing paint may exist in areas of the structures not accessible or sampled in conjunction with the Greenway Trail Project.

If you have any questions concerning the contents of this report, or if we may be of further service, please contact the undersigned at your convenience.

Sincerely,

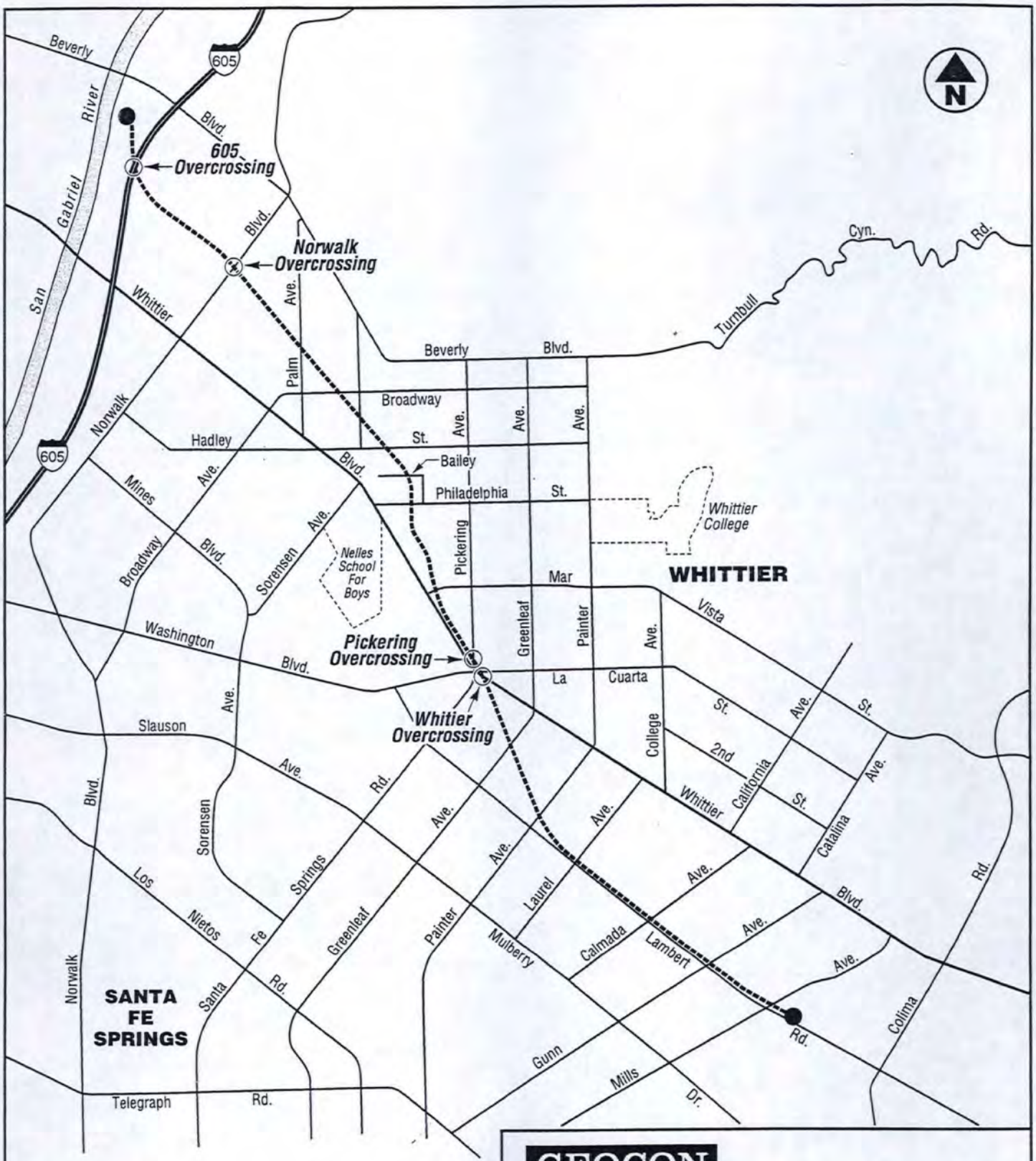
GEOCON CONSULTANTS INC.

David A. Watts, CAC
Project Scientist

DAW:JEJ:sd

(13) Addressee

Attachments:
Figure 1, Project Location Map
Figures 2 - 5, Site Photos 1 through 8
Table 1, Summary of Analytical Laboratory Test Results – Asbestos
Table 2, Summary of Analytical Laboratory Test Results – LCP
Laboratory Analytical Reports and Chain-of-Custody Documentation



GEOCON
CONSULTANTS, INC.
624 S GRAND AVE. – SUITE 2900 -LOS ANGELES, CA. 90017-3330
PHONE 213 538-1282 – FAX 213 538-1283

Greenway Trail Project

City of Whittier, California

PROJECT LOCATION MAP

A8050-06-03	October 2001	Figure 1

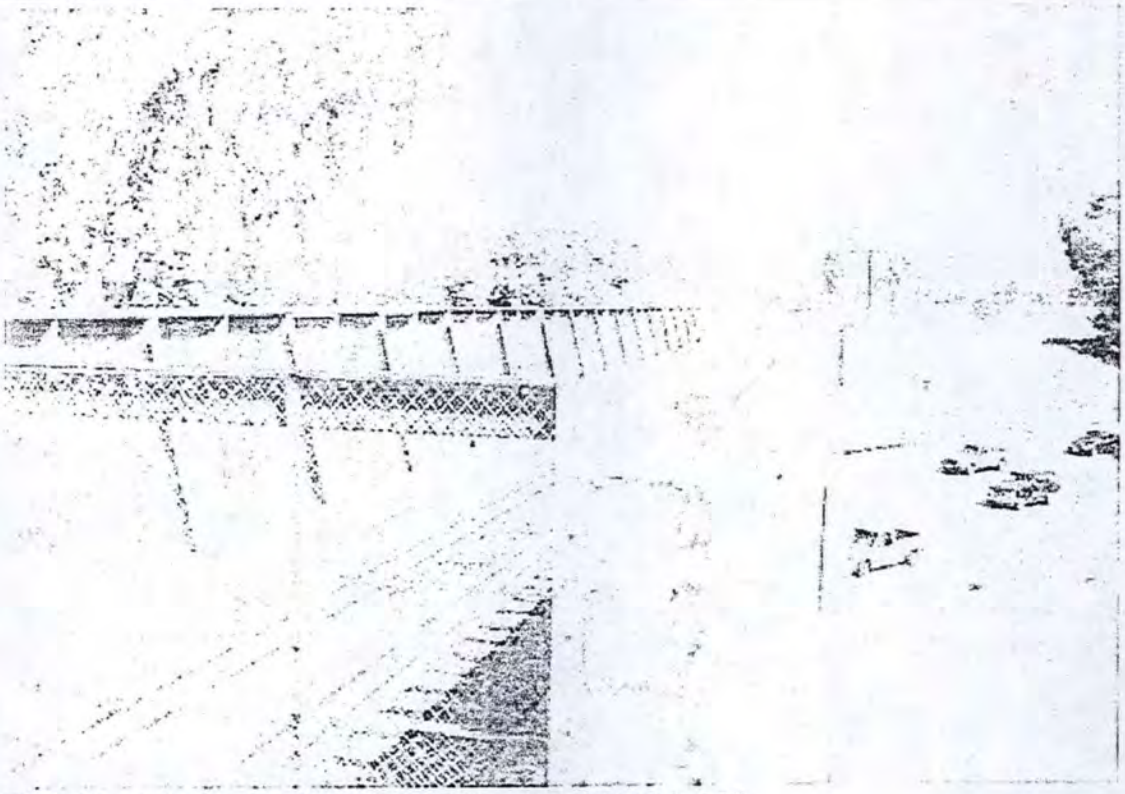


Photo No. 1 Union Pacific Railroad Bridge over Interstate 605

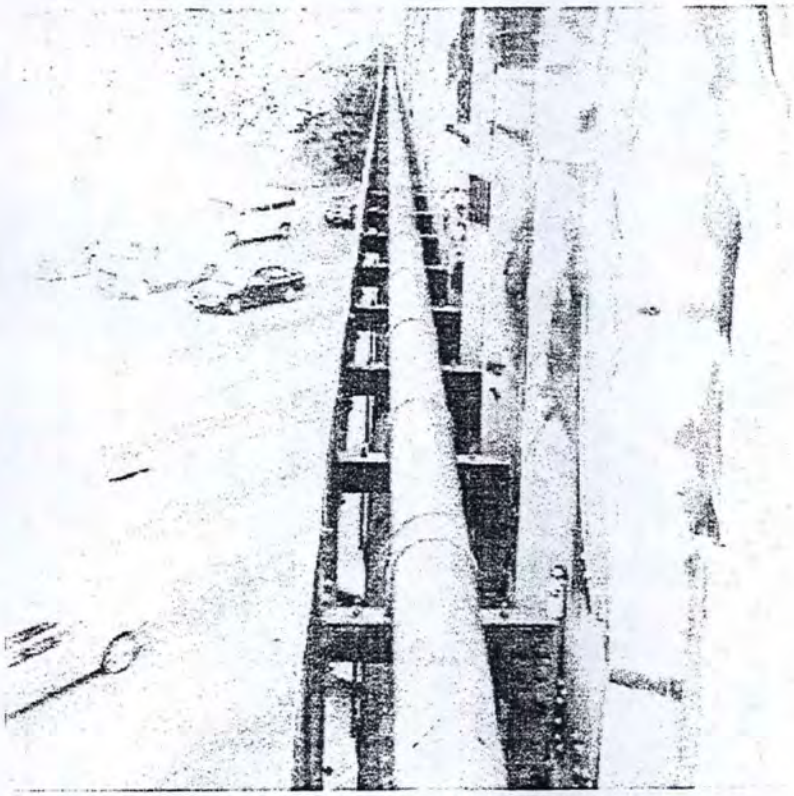


Photo No. 2 Pipe insulation on Interstate 605 Bridge

SITE PHOTOS 1 & 2

GEOCON
CONSULTANTS INC.
324 S GRAND AVE
PHONE 213 [illegible]

Greenway Trail Project

City of Whittier, California

[illegible] October 2001 Figure 2

Photo No. 3 Union Pacific Railroad Bridge over Norwalk Boulevard

Photo No. 4 Expansion joint material and peeling beige abutment paint on Norwalk Boulevard Bridge

SITE PHOTOS 3 & 4

GEOCON
CONSULTANTS INC.
924 S BRAND AVE
PHONE 213 [illegible]

Greenway Trail Project

City of Whittier, California

A8080-06-00 October 2001 Figure 3

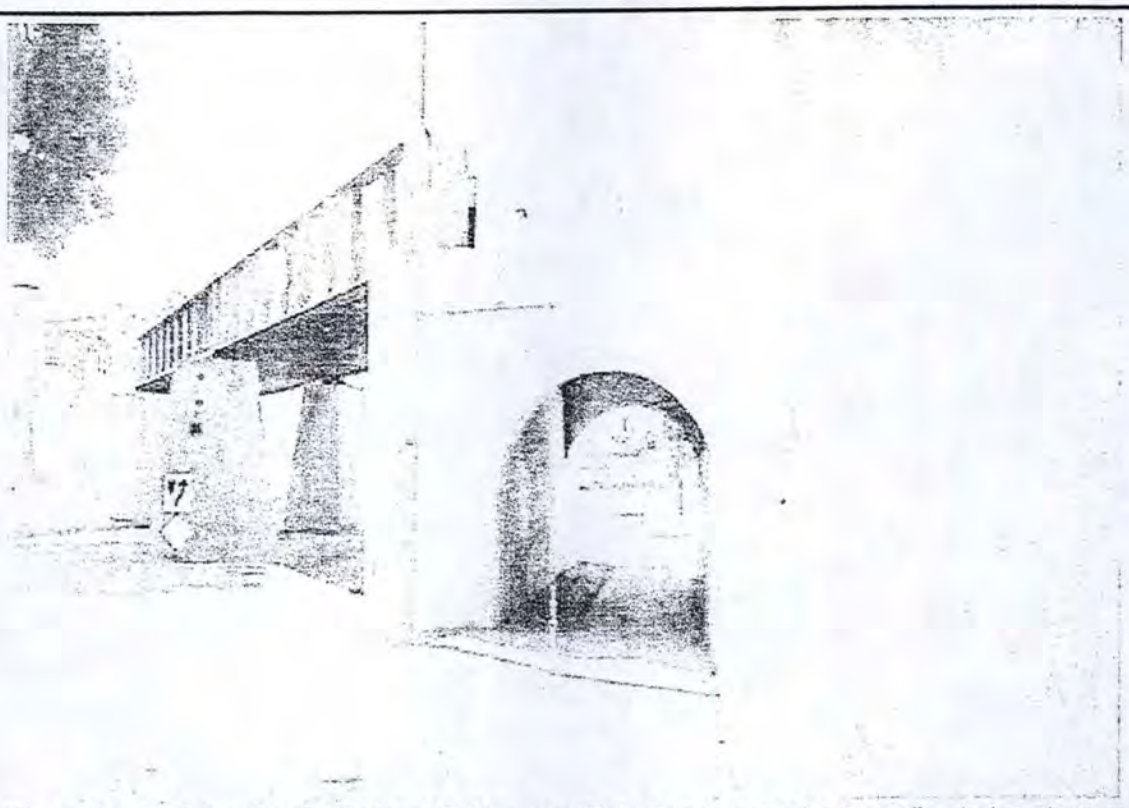


Photo No. 5 Union Pacific Railroad Bridge over Pickering Avenue (note peeling beige abutment paint)

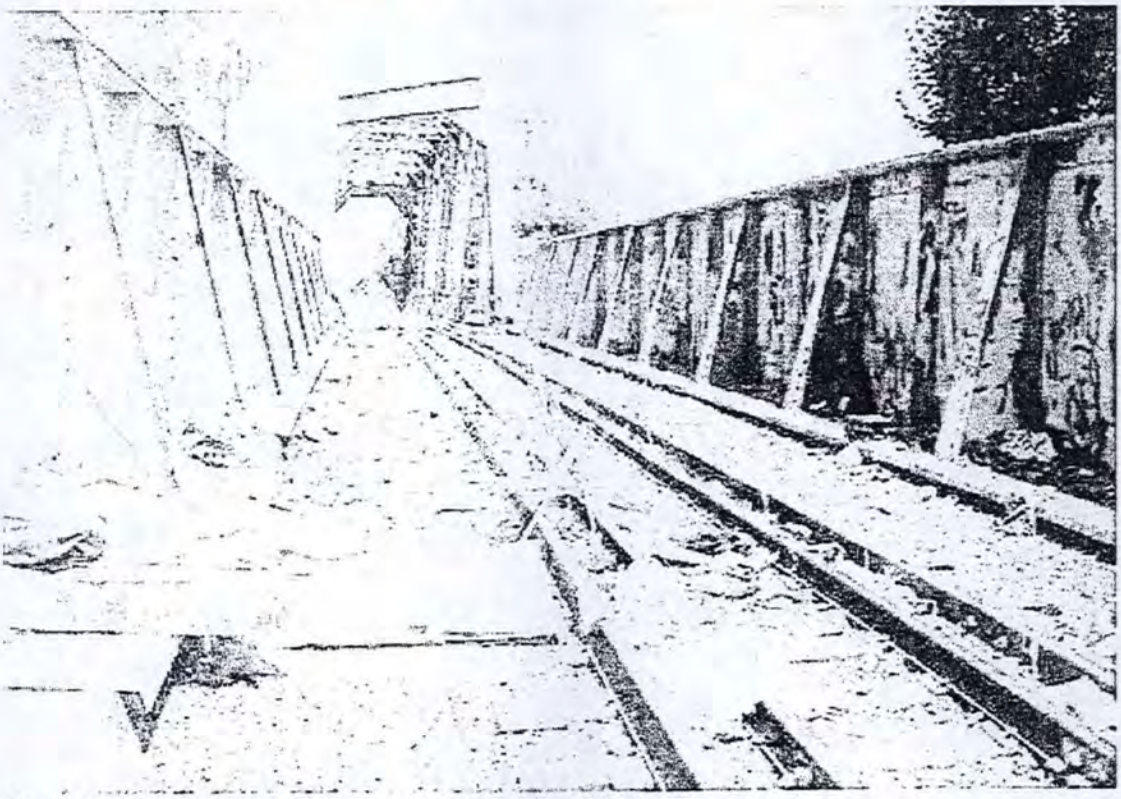


Photo No. 6 Union Pacific Railroad Bridge over Whittier Boulevard

SITE PHOTOS 5 & 6

GEOCON CONSULTANTS, INC.

Greenway Trail Project

City of Whittier, California

October 2001 Figure 4

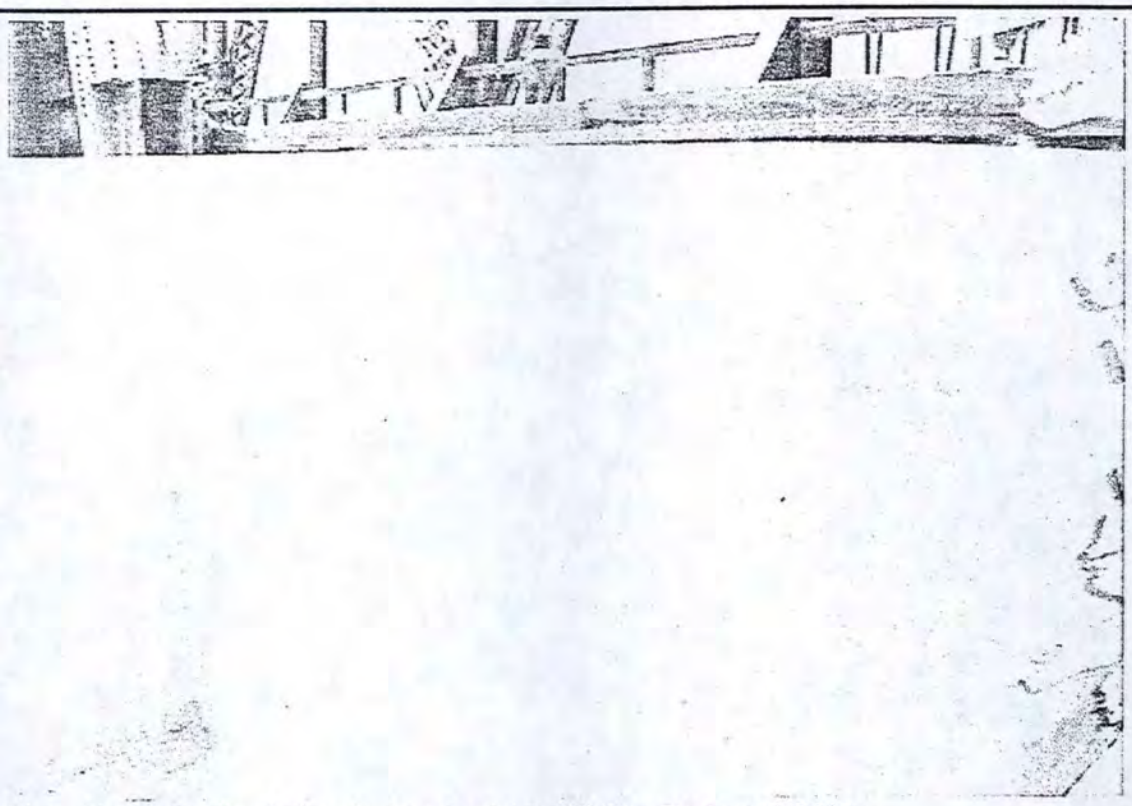


Photo No. 7 Peeling beige abutment paint on Whittier Boulevard Bridge

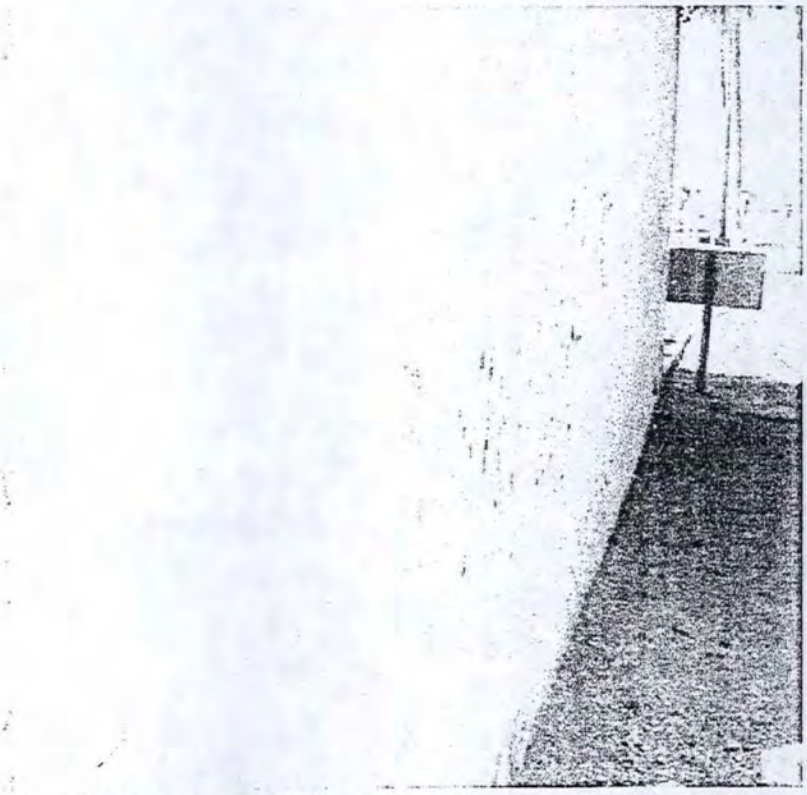


Photo No. 8 Expansion joint material and peeling beige abutment paint on Whittier Boulevard Bridge

SITE PHOTOS 7 & 8

GEOCON
CONSULTANTS, INC.

Greenway Trail Project

City of Whittier, California

October 2001 | Figure 5

TABLE 1
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS - ASBESTOS
GREENWAY TRAIL PROJECT
WHITTIER, CALIFORNIA

SAMPLE I.D.	BRIDGE	FRIABILITY	MATERIAL DESCRIPTION/CONDITION	APPROXIMATE QUANTITY (SQUARE FEET)	ASBESTOS EPA 600/M4-82-020 (TYPE AND % BY WEIGHT)
605-1A	INTERSTATE 605 BRIDGE	FRIABLE	THERMAL SYSTEM PIPE INSULATION/GOOD	1,200 SQUARE FEET	CHRYSOTILE 20%
605-1B					NA
605-1C					NA
NO-1A	NORWALK BOULEVARD OVERCROSSING	FRIABLE	ABUTMENT JOINT EXPANSION MATERIAL/GOOD	NQ	ND
NO-1B					ND
NO-1C					ND
WO-1A	WHITTIER BOULEVARD OVERCROSSING	FRIABLE	ABUTMENT JOINT EXPANSION MATERIAL/GOOD	NQ	ND
W0-1B					ND
WO-1C					ND

Notes: ND = Not detected
NA = Sample not analyzed (prior positive)
NQ = Not quantified

TABLE 2
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS – LEAD IN PAINT
GREENWAY TRAIL PROJECT
WHITTIER, CALIFORNIA

SAMPLE I.D.	PAINT COLOR	BRIDGE	LOCATION	APPROXIMATE TOTAL QUANTITY	CONDITION	TOTAL LEAD (mg/kg)
605-LCP-1A	GRAY	INTERSTATE 605	SUPERSTRUCTURE	12,000 SF	INTACT	400,000
605-LCP-1B						430,000
605-LCP-1C						460,000
NO-LCP-1A	BEIGE	NORWALK OVERCROSSING	SUPERSTRUCTURE AND ABUTMENTS	5,000 SF	APROXIMATELY 1,000 SF PEELING (ABUTMENTS)	560
NO-LCP-1B						200
NO-LCP-1C						350
PO-LCP-1A	BEIGE	PICKERING OVERCROSSING	ABUTMENTS	8,000 SF	APROXIMATELY 1,500 SF PEELING (ABUTMENTS)	320
PO-LCP-1B						180
PO-LCP-1C						110
PO-LCP-2A	GRAY	PICKERING OVERCROSSING	SUPERSTRUCTURE	2,500 SF	INTACT	160,000
PO-LCP-2B						85,000
PO-LCP-2C						11,000
WO-LCP-1A	GRAY	WHITTIER OVERCROSSING	SUPERSTRUCTURE	10,000 SF	INTACT	220,000
WO-LCP-1B						130,000
WO-LCP-1C						150,000
WO-LCP-2A	BEIGE	WHITTIER OVERCROSSING	ABUTMENTS	8,000 SF	APROXIMATELY 1,000 SF PEELING (ABUTMENTS)	310
WO-LCP-2B						240
WO-LCP-2C						150

Notes: mg/kg = Milligrams per kilogram
SF = Square feet

August 23, 2001

Dave Watts
Geocon Environmental
2356 Research Drive
Livermore, CA 94550
TEL: (925) 371-5900
FAX (925) 371-5915

ELAP No: 1838

RE: GREENWAY TRAIL - A8050-06-01

Work Order No.: 052633

Attention: Dave Watts

Enclosed are the results for sample(s) received on August 20, 2001 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Edgar Caballero
Laboratory Director

This cover letter and a case narrative are an integral part of this analytical report.

Chain of Custody Form

Project No.: A8050-06-01 | Client Name: GEOCON | Analyze PLM sample sets until positive: (>1%) ☐ Yes ☐ No

Report Results to: D. WATTS | Office Location: LIVERMORE, CA | Analytical Fee (per sample): $ STD TAT | Date(s) Inspected: 8/15/2001

Consultant Ph. #: (925) 371-5900 | Consultants Fax #: (925) 371-5915 | Other Comments: ASBESTOS (PLM) PAINT (Pb-AA OR ICP)

Site Name: GREENWAY TRAIL | Building No.: UPRR BRIDGES | Site Address: WHITTIER, CA

DO NOT COMPOSITE SAMPLE SETS!

Material Code	Sample Number: Site No.	Bldg. No.	Material Link No.	A	B	C	D	E	F	G	H	I	J	K	Not Sampled	Material Description		
P		605	1	X	X	X										PIPE INSULATION	(PLM)	(605 BRIDGE)
M		NO	1	X	X	X										JOINT EXPANSION MAT'L		(NORWALK OC)
M		WO	1	X	X	X										JOINT EXPANSION MAT'L		(WHITTIER OC)
L C		605	1	X	X	X										GRAY PAINT	(Pb-AA/ICP)	(605 BRIDGE)
L C		NO	1	X	X	X										BEIGE PAINT		(NORWALK OC)
L C		PO	1	X	X	X										BEIGE PAINT		(PICKERING OC)
L C		PO	2	X	X	X										GRAY PAINT		(PICKERING OC)
L C		WO	1	X	X	X										GRAY PAINT		(WHITTIER OC)
L C		WO	2	X	X	X										BEIGE PAINT		(WHITTIER OC)

Relinquished by: Print Name: D. WATTS | Signature: [signature] | Date/Time: 8/17/2001 1700 | Received by: Print Name: | Signature: GSO | Date/Time: 8/17/2001 1700

Relinquished by: Print Name: | Signature: | Date/Time: | Received by: Print Name: | Signature: [signature] | Date/Time: 8/20/01

Wall/Ceiling/Other

- ACOU = Textured acoustical (sprayed) (S)
- BBM = Baseboard mastic (M)
- CM = Ceiling (unspecified type) (M)
- CS = Ceiling (unspecified type) (S)
- CP = Ceiling panel - Lay-in (M)
- CMAS = Ceiling mastic (M)
- CT = Ceiling tile - Splined or nailed (M)
- CTG = Ceiling tile - Glued (M)
- CWT = Ceramic wall tile grout & mastic(M)
- DEBM = Debris (unspecified) (M)
- DEBS = Debris (unspecified) (S)
- DEBT = Debris (unspecified) (TSI)
- DOOR = Door core insulation - Fire door (M)
- OFM = Other friable material (M)
- OFS = Other friable material (S)
- ONFM = Other nonfriable material (M)
- ONFS = Other nonfriable materials (S)
- PL = Plaster (wall or ceiling) (S)
- SHR = Sheetrock (no joint compound) (M)
- SHRJC = Sheetrock with joint compound (M)
- STUC = Stucco (S)
- FP = Structural fireproofing (S)
- TRAN = Transite panel (M)
- TX = Surface texturing on walls/ceiling (S)
- WM = Wall (unspecified type) (M)
- WS = Wall (unspecified type) (S)
- WT = Wall tile - Splined or nailed (M)
- WTG = Wall tile - Glued on (M)

Fitting/TSI

- FI = Fitting insulation (type not specified) (TSI)
- FICHW = Fitting - Chilled water system (TSI)
- FICON = Fitting - Condensate (TSI)
- FIDCW = Fitting - Domestic cold water (TSI)
- FIDHW = Fitting - Domestic hot water (TSI)
- FIHHW = Fitting - Heating hot water (TSI)
- FISTM = Fitting - Steam (TSI)
- DI = Duct insulation (TSI)
- DTAPE = HVAC - Duct joint tape/compound (M)
- DFLEX = HVAC - Flexible duct/flex duct joint (M)
- DFLUE = Mech. equipment - Flue insulation (TSI)
- MGSKT = Mech. equipment-Gasket (M)
- MTANK = Mech. equipment-Tank insulation (TSI)
- PI = Pipe insulation (type not specified) (TSI)
- PICHW = Pipe insulation-Chilled water system (TSI)
- PICON = Pipe insulation-Condensate (TSI)
- PIDCW = Pipe insulation-Domestic cold water (TSI)
- PIDHW = Pipe insulation-Domestic hot water (TSI)
- PIHHW = Pipe insulation-Heating hot water (TSI)
- PISTM = Pipe insulation-Steam (TSI)
- PTRAN = Pipe-Transite (M)

Roofing

- RF = Roofing material (M)
- RFAG = Asphalt and gravel (M)
- RFAT = Asphalt roof tile (M)
- RFFLS = Flashing (M)
- RFFLT = Felt material (M)
- RFMAS = Penetration mastic (M)
- RFROL = Rolled sheet type (M)
- RTRAN = Transite shingle (M)

(M) = Miscellaneous material
(S) = Surfacing material
(TSI) = Thermal System Insulation

Advanced Technology Laboratories

Date: *23-Aug-01*

CLIENT: Geocon Environmental
Project: GREENWAY TRAIL - A8050-06-01
Lab Order: 052633

CASE NARRATIVE

Samples for Asbestos PLM were subcontracted to Scientific Laboratories of California, Inc.

The following is the list of corresponding Work Order/Client Sample ID's:

Work Order No.	Client Sample ID
052633-001A	605-1A
052633-002A	605-1B
052633-003A	605-1C
052633-004A	NO-1A
052633-005A	NO-1B
052633-006A	NO-1C
052633-007A	WO-1A
052633-008A	WO-1B
052633-009A	WO-1C

SCILAB
FULL SERVICE ENVIRONMENTAL LABORATORIES

SCIENTIFIC LABORATORIES OF CALIFORNIA, INC.
24416 SOUTH MAIN STREET • SUITE 308
CARSON, CA 90745
TEL: (310) 834-4868 • FAX: (310) 834-477

PLM Bulk Asbestos Report

Advanced Technology Laboratories
Attn: Rachel Arada
3275 Walnut Street
Signal Hill , CA 90807

Date Received 08/20/2001
Date Examined 08/22/2001

RE:

SciLab Job No. 901081651
P.O. # 21480
Page 1 of 3

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
052633-001A/605-1A	901081651-01	*Yes*	20 %
1 Location			
Description: Black/Brown, Heterogeneous, Composite Analysis			
Asbestos Types Chrysotile 20. %			
Other Material: Cellulose 5. %, Non-fibrous 75. %			
052633-002A/605-1B	901081651-02		NA/PS
1 Location			
Description: Bulk Material			
Asbestos Types			
Other Material:			
052633-003A/605-1C	901081651-03		NA/PS
1 Location			
Description: Bulk Material			
Asbestos Types			
Other Material:			
052633-004A/NO-1A	901081651-04	*No*	NAD
2 Location			
Description: Brown, Homogeneous, Bulk Material			
Asbestos Types			
Other Material: Cellulose 40. %, Non-fibrous 60. %			
052633-005A/NO-1B	901081651-05	*No*	NAD
2 Location			
Description: Brown, Homogeneous, Bulk Material			
Asbestos Types			
Other Material: Cellulose 40. %, Non-fibrous 60. %			

SCILAB
FULL SERVICE ENVIRONMENTAL LABORATORIES

SCIENTIFIC LABORATORIES OF CALIFORNIA, INC.
24416 SOUTH MAIN STREET • SUITE 308
CARSON, CA 90745
TEL: (310) 834-4868 • FAX: (310) 834-477

PLM Bulk Asbestos Report

Advanced Technology Laboratories
Attn: Rachel Arada
3275 Walnut Street
Signal Hill , CA 90807

Date Received 08/20/2001
Date Examined 08/22/2001

RE:

SciLab Job No. 901081651
P.O. # 21480
Page 2 of 3

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
052633-006A/NO-1C	901081651-06	*No*	NAD
2 Location			
Description: Brown, Homogeneous, Bulk Material			
Asbestos Types			
Other Material: Cellulose 40. %, Non-fibrous 60. %			
052633-007A/WO-1A	901081651-07	*No*	NAD
3 Location			
Description: Brown, Homogeneous, Bulk Material			
Asbestos Types			
Other Material: Cellulose 40. %, Non-fibrous 60. %			
052633-008A/WO-1B	901081651-08	*No*	NAD
3 Location			
Description: Brown, Homogeneous, Bulk Material			
Asbestos Types			
Other Material: Cellulose 40. %. Non-fibrous 60. %			
052633-009A/WO-1C	901081651-09	*No*	NAD
3 Location			
Description: Brown, Homogeneous, Bulk Material			
Asbestos Types			
Other Material: Cellulose 40. %, Non-fibrous 60. %			

SCILAB
FULL SERVICE ENVIRONMENTAL LABORATORIES

SCIENTIFIC LABORATORIES OF CALIFORNIA, INC.
24416 SOUTH MAIN STREET • SUITE 308
CARSON, CA 90745
TEL: (310) 834-4868 • FAX: (310) 834-477

PLM Bulk Asbestos Report

Advanced Technology Laboratories
Attn: Rachel Arada
3275 Walnut Street
Signal Hill , CA 90807

Date Received 08/20/2001
Date Examined 08/22/2001

SciLab Job No. 901081651
P.O. # 21480
Page 3 of 3

RE:

Reporting Notes:

Analyzed by: Kieuanh Pham Duong Kieuanh Duong ; Date Analyzed: 8/22/01

*NAD/NSD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysi by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: _____

Advanced Technology Laboratorie
3275 Walnut Street
Signal Hill, California 90807-
(562) 989-4045

SUB CHAIN-OF-CUSTODY RECORD

90108165|

Subcontractor:
Scientific
24416 S. Main St.
Carson, CA 90308

TEL: (310) 834-4868
FAX: (310) 834-4772

Acct #:

QClevel: CT-TR1

20-Aug-01

Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests: SM 100.1				
052633-001A \ 605-1A	Solid	08/15/2001	ZIPLOCK	1				
052633-002A \ 605-1B	Solid	08/15/2001	ZIPLOCK	1				
052633-003A \ 605-1C	Solid	08/15/2001	ZIPLOCK	1				
052633-004A \ NO-1A	Solid	08/15/2001	ZIPLOCK	1				
052633-005A \ NO-1B	Solid	08/15/2001	ZIPLOCK	1				
052633-006A \ NO-1C	Solid	08/15/2001	ZIPLOCK	1				
052633-007A \ WO-1A	Solid	08/15/2001	ZIPLOCK	1				
052633-008A \ WO-1B	Solid	08/15/2001	ZIPLOCK	1				
052633-009A \ WO-1C	Solid	08/15/2001	ZIPLOCK	1				

Comments: Please use PO#: 21480. Please fax results by: 08/24/01.
analyze until Benzo Fluoranthene percent positive and hold the rest of the sample

	Date/Time		Date/Time
Relinquished by: Am	8/20/01	**Received by:** [illegible]	8/20/01 15:15
Relinquished by:		**Received by:**	

AUG-23-2001 13:38

Advanced Technology Laboratories

Print Date: *23-Aug-01*

CLIENT: Geocon Environmental
Lab Order: 052633
Project: GREENWAY TRAIL - A8050-06-01

Test No: EPA 6010B
Units: mg/Kg
Analyst: RQ

Sample ID	Client Sample ID	Matrix	Collection Date	QC Batch	Lead	PQL	Qual	DF	Analysis Date
052633-010A	605-1A	Paint Chip	8/15/01	5470	400000	1400		276.3	8/22/01
052633-011A	605-1B	Paint Chip	8/15/01	5470	430000	1000		205.3	8/22/01
052633-012A	605-1C	Paint Chip	8/15/01	5470	460000	960		191.8	8/22/01
052633-013A	NO-1A	Paint Chip	8/15/01	5470	560	7.2		1.446	8/22/01
052633-014A	NO-1B	Paint Chip	8/15/01	5470	200	5.4		1.09	8/22/01
052633-015A	NO-1C	Paint Chip	8/15/01	5470	350	10		2.016	8/22/01
052633-016A	PO-1A	Paint Chip	8/15/01	5470	320	14		2.828	8/22/01
052633-017A	PO-1B	Paint Chip	8/15/01	5470	180	13		2.554	8/22/01
052633-018A	PO-1C	Paint Chip	8/15/01	5470	110	10		1.999	8/22/01
052633-019A	PO-2A	Paint Chip	8/15/01	5470	160000	3100		628.5	8/22/01
052633-020A	PO-2B	Paint Chip	8/15/01	5471	85000	2600		529.1	8/22/01
052633-021A	PO-2C	Paint Chip	8/15/01	5471	11000	340		68.03	8/22/01

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue [illegible]

Advanced Technology Laboratories

Print Date: *23-Aug-01*

CLIENT:	Geocon Environmental	Test No:	EPA 6010B
Lab Order:	052633	Units:	mg/Kg
Project:	GREENWAY TRAIL - A8050-06-01	Analyst:	RQ

Sample ID	Client Sample ID	Matrix	Collection Date	QC Batch	Lead	PQL	Qual	DF	Analysis Date
052633-022A	WO-1A	Paint Chip	8/15/01	5471	220000	1200		248.1	8/22/01
052633-023A	WO-1B	Paint Chip	8/15/01	5471	130000	1400		279.3	8/22/01
052633-024A	WO-1C	Paint Chip	8/15/01	5471	150000	1600		317.5	8/22/01
052633-025A	WO-2A	Paint Chip	8/15/01	5471	310	10		2.028	8/22/01
052633-026A	WO-2B	Paint Chip	8/15/01	5471	240	21		4.132	8/22/01
052633-027A	WO-2C	Paint Chip	8/15/01	5471	150	14		2.786	8/22/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
3275 Walnut Avenue [illegible]

Advanced Technology Laboratories

Date: *23-Aug-01*

CLIENT: Geocon Environmental
Work Order: 052633
Project: GREENWAY TRAIL - A8050-06-01

QC SUMMARY REPORT

Method Blank

Sample ID MB-5470 Batch ID: 5470 Test Name LEAD BY ICP Units mg/Kg Analysis Date: 8/22/01 Prep Date: 8/20/01

Matrix SeqNo: 175388

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0		0				0			

Sample ID MB-5471 Batch ID: 5471 Test Name LEAD BY ICP Units mg/Kg Analysis Date: 8/22/01 Prep Date: 8/20/01

Matrix SeqNo: 175402

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0		0				0			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

All calculations are based on raw values.

Advanced Technology Laboratories

Date: *23-Aug-01*

CLIENT: Geocon Environmental
Work Order: 052633
Project: GREENWAY TRAIL - A8050-06-01

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID 052633-014AMS Batch ID: 5470 Test Name LEAD BY ICP Units mg/Kg Analysis Date: 8/22/01 Prep Date: 8/20/01
Lab ID SeqNo: 175395

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	280	5.6	280.2	200	27	47	128	0			S

Sample ID 052633-014AMS Batch ID: 5470 Test Name LEAD BY ICP Units mg/Kg Analysis Date: 8/22/01 Prep Date: 8/20/01
Lab ID SeqNo: 175396

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	210	5.0	252.4	200	2	47	128	280	27	20	SR

Sample ID 052633-027AMS Batch ID: 5471 Test Name LEAD BY ICP Units mg/Kg Analysis Date: 8/22/01 Prep Date: 8/20/01
Lab ID SeqNo: 175408

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	570	12	581.4	150	73	47	128	0			

Sample ID 052633-027AMS Batch ID: 5471 Test Name LEAD BY ICP Units mg/Kg Analysis Date: 8/22/01 Prep Date: 8/20/01
Lab ID SeqNo: 175409

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	610	12	608.3	150	75	47	128	570	6	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

All calculations are based on raw values.

Advanced Technology Laboratories

Date: *23-Aug-01*

CLIENT: Geocon Environmental
Work Order: 052633
Project: GREENWAY TRAIL - A8050-06-01

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID **LCS-5470** Batch ID: **5470** Test Name **LEAD BY ICP** Units **mg/Kg** Analysis Date: **8/22/01** Prep Date: **8/20/01**

LCS SeqNo: **175389**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	5.0	250	0.5	99	80	120	0			

Sample ID **LCS-5471** Batch ID: **5471** Test Name **LEAD BY ICP** Units **mg/Kg** Analysis Date: **8/22/01** Prep Date: **8/20/01**

LCS SeqNo: **175403**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	5.0	250	0	90	80	120	0			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
M - Not Monitored. Highly Reactive
S - Spike/Surrogate outside of limits due to matrix interference
DO - Surrogate Diluted Out

Initials: _____

All calculations are based on raw values.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-7520 Fax: 562 989-4040

APPENDIX C

August 31, 2001

RECEIVED
SEP 17 2001
BY: GEOCON

John Juhrend
Geocon Environmental
11375 Sunrise Park Drive #100
Rancho Cordova, CA 95742
TEL: (916) 852-9118
FAX (916) 852-9132

ELAP No: 1838

RE: Greenway Trail - A8050-06-03

Work Order No.: 052729

Attention: John Juhrend

Enclosed are the results for sample(s) received on August 24, 2001 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Edgar Caballero
Laboratory Director

This cover letter and a case narrative are an integral part of this analytical report.

FAX

Date	*August 27, 2001*
Number of pages including cover sheet	*10*

TO:	***Diane*** ***Advanced Technology Laboratories***
Phone	*562.989.4045*
Fax	*562.989.4040*

FROM:	***John E. Juhrend, PE, CEG*** *Principal* *Geocon Consultants, Inc.* *11375 Sunrise Park Dr., Suite 100* *Rancho Cordova, CA 95742*
E-Mail	*juhrend@geoconinc.com*
Phone	*916.852.9118*
Fax	*916.852.9132*

CC:

REMARKS: ☒ *Urgent* ☐ *For your review* ☒ *Reply ASAP* ☐ *Please Comment*

Attached laboratory assignments for Greenway Trail. Please contract me to discuss. Thanks,

John

CHAIN OF CUSTODY RECORD

Pg ___ of ___

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ____

Logged By: ____ Date: ____ Time: ____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☑

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn:
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: ____ Project #: ____ Sampler: (Printed Name) ____ (Signature) ____

Relinquished by: (Signature and Printed Name) ____ Date: ____ Time: ____ Received by: (Signature and Printed Name) ____ Date: ____ Time: ____
Relinquished by: (Signature and Printed Name) ____ Date: ____ Time: ____ Received by: (Signature and Printed Name) ____ Date: ____ Time: ____
Relinquished by: (Signature and Printed Name) ____ Date: ____ Time: ____ Received by: (Signature and Printed Name) ____ Date: ____ Time: ____

I hereby authorize ATL to perform the work indicated below.
Project Mgr /Submitter:
Print Name ____ Date ____
Signature ____

Send Report To:
Attn: ____
Co: ____
Address ____
City ____ State ____ Zip ____

Bill To:
Attn: ____
Co: ____
Address ____
City ____ State ____ Zip ____

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other ____
☐ Return To: ____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCBs-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Hexavalent Chrome (CAC-8010 / 7000); 8015M TPH/GASTEX (COMBINATION); 8015M TPH/D (Diesel-GC); TITLE 22 METALS; TRIBALTITHIUM; SVOC's 8270

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER ____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082	8260	625 / 8270	Hexavalent Chrome	8015M TPH/GASTEX	8015M TPH/D	TITLE 22 METALS	TRIBALTITHIUM	SVOC's 8270	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
1		[illegible]	[illegible]	[illegible]					X					X							E	1	[illegible]	C	
2		[illegible]		[illegible]					X													1	[illegible]		
3		[illegible]		[illegible]					X													1	[illegible]		
4		[illegible]		[illegible]	X				X		X											1	[illegible]		
5		T2-1		[illegible]					X													1	[illegible]		
6		T2-2		[illegible]					X													1	[illegible]		
7		[illegible]		[illegible]					X													1	[illegible]		
8		[illegible]		[illegible]					X													1	[illegible]		
9		[illegible]		[illegible]					X													1	[illegible]		
10		T2 TIL [illegible]	✓	[illegible]							X	X		✓							✓	1	[illegible]	✓	

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

Sent By: GEOCON CONSULTANTS; 1916 852 9132; Aug-27-01 9:39; Page 2/10

CHAIN OF CUSTODY RECORD

Pg 1 of

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: Time:

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☑

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn: John Tolmont
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Greenley Tool Project #: AE 50-0103 Sampler: (Printed Name) John Tolmont (Signature)

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Cole State Ovnight Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: John Tolmont
Print Name Date
Signature

Send Report To: Attn: Co: Address: City State Zip

Bill To: Attn: Co: Address: City State Zip

Special Instructions/Comments: Homogenize soil samples prior to metals analysis

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8021 / 8260 (Pesticides-PCB-GC); 8260 (Volatiles-GC/MS); 8270 (SVOA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPH/GRETEX (COMBINATION); 8015M TPHD (Diesel-GC); TITLE 22 METALS; LEAD; HEXAVALENT CHROME

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8021 / 8260 (Pesticides-PCB-GC)	8260 (Volatiles-GC/MS)	8270 (SVOA-GC/MS)	Metals-Total (CAC-6010 / 7000)	8015M TPH/GRETEX (COMBINATION)	8015M TPHD (Diesel-GC)	TITLE 22 METALS	LEAD	HEXAVALENT CHROME	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER	REMARKS
11		[illegible]	8/23	[illegible]								X		X						X		1	[illegible]	[illegible]		
12		[illegible]		[illegible]								X		X								1	[illegible]			
13		[illegible]		[illegible]	X						X											1	[illegible]			
14		[illegible]		[illegible]					X													1	[illegible]			
15		[illegible]		[illegible]					X													1	[illegible]			
16		[illegible]		[illegible]					X													1	[illegible]			
17		[illegible]		[illegible]	X						X											1	[illegible]			
18		[illegible]										X										1	[illegible]			
19		[illegible]		[illegible]								X										1	[illegible]			
20		[illegible]		[illegible]					X													1	[illegible]	N		

- TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

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CHAIN OF CUSTODY RECORD

Pg ___ of ___

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ____

Logged By: ____ Date: ____ Time: ____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☑

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☐ N☐
4. SEALED Y☐ N☐
5. # OF SPLS MATCH COC Y☐ N☐
6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn: [illegible]
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: [illegible] Project #: [illegible] Sampler: (Printed Name) [illegible] (Signature)

Relinquished by: (Signature and Printed Name) [illegible] Date: Time: Received by: (Signature and Printed Name) [illegible] Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: [illegible]
Print Name Date
Signature

Send Report To:
Attn: ____
Co: ____
Address ____
City ____ State ____ Zip ____

Bill To:
Attn: ____
Co: ____
Address ____
City ____ State ____ Zip ____

Special Instructions/Comments: [illegible]

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other ____
☐ Return To: ____

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCBs-GC); 8260 (VOCs/Sev.-GC/MS); 8021 / 8270 (BTM-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPH/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC); TOC 2w Rebuttals; LEAD; HEXAVALENT CHROME

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RINE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER ____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082	8260	8021 / 8270	Metals	8015M	8015M	TOC 2w Rebuttals	LEAD	HEXAVALENT CHROME									TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
1		[illegible]	[illegible]	[illegible]							X												1	[illegible]		
2		[illegible]		[illegible]							X												1	[illegible]		
3		[illegible]		1115	X							X											1	[illegible]		
4		[illegible]		[illegible]							X												1	[illegible]		
5		[illegible]		1205							X												1	[illegible]		
6		[illegible]		[illegible]							X												1	[illegible]		
7		[illegible]		1320	X							X											1	[illegible]		
8		[illegible]		[illegible]	X							X											1	[illegible]		
9		[illegible]		[illegible]							X								X				1	[illegible]		
10		[illegible]		[illegible]							X												1	[illegible]		

* TAT starts 8 a.m. following day if sample received after 5 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

Sent By: GEOCON CONSULTANTS; 1916 852 9132; Aug-27-01 9:40; Page 4/10

CHAIN OF CUSTODY RECORD

Pg 1 of

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: Time:

Method of Transport: Walk-In ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn:
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Project #: Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below
Project Mgr /Submitter:
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal
☐ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCBs-GC); 8260 (Volatiles-GC/MS); 8270 (SVOA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPH/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC); TPH-D w/ silica gel; TPH-D

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082	8260	8270	Metals	8015M	8015M	TPH-D w/ silica gel	TPH-D	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
31		77-5		12:5							X									L	1	1	L	
32		77-1		2:10							X										1	1		
33		77-2		2:25							X										1	1		
34		77-4		2:40								X									1	1		
35		75-1		11:20				X	X			X									1	1		
36		75-3		1:10		X		X	X			X									1	1		
37		75-5		1:55		X		X	X			X									1	1		
38		73-2		1:00		X		X	X			X									1	1		
39		77-1		1:30			X	X				X									1	1		
40		74-1		1:10				X				X								L	1	1	L	

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

CHAIN OF CUSTODY RECORD

Pg 1 of

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: Time:

Method of Transport: Walk-In ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt: 1. CHILLED Y☐ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☐ N☐ 4. SEALED Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn:
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Project #: Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCBs-GC); 8260 (Volatiles-GC/MS); 8270 / 8270 (SIM)-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPH/BTEX (COMBINATION); 8015M TPH/D (Diesel/GC); TDS 22 rejected; Metals CAM 17 TDS 1 TPH/D

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

ITEM	LAB USE ONLY: Batch #: Lab No	Sample Description: Sample I.D.	Date	Time	8081	8082	8260	8270	8015M	8015M	TDS	Metals	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
41		[illegible]	[illegible]	1015	X							X							X	L	1	[illegible]		
42		111-2		1700					X			X									1	[illegible]		
43		[illegible]		[illegible]							X										1	[illegible]		
44		112-1		[illegible]							X										1	[illegible]		
45		112-2		[illegible]							X										1	[illegible]		
46		[illegible]		[illegible]	X							X									1	[illegible]		
47		13-2		[illegible]					X			X										[illegible]		
48		114-1		1700	X							X									1	[illegible]		
49		[illegible]		[illegible]							X										2	[illegible]		
50		[illegible]		[illegible]							X										1	[illegible]		

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=Zn(AC)$_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

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CHAIN OF CUSTODY RECORD

Pg 6 of

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: Time:

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt: 1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐ 3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn:
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Project #: Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below
Project Mgr./Submitter:
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments:

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB/GC); 8260 / VOC (Gas-GC/MS); 826 / 8270 (BNA-GC/MS); Metals; Total (CAC-8010 / 7000); 8015M TPH/DIPTEX (COMBINATION); 8015M TPH/D (Diesel-GC); TPH as gasoline; TPH as diesel; TPH as motor oil

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

ITEM	LAB USE ONLY: Batch #. Lab No.	Sample Description: Sample I.D.	Date	Time	8081 / 8082	8260	826 / 8270	Metals	8015M TPH/DIPTEX	8015M TPH/D	TPH as gasoline	TPH as diesel	TPH as motor oil	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
21		[illegible]	[illegible]	[illegible]					X					X							L	1	[illegible]	[illegible]	
22		[illegible]		[illegible]					X													1	[illegible]		
23		[illegible]		[illegible]					X													1			
24		[illegible]		[illegible]					X													1	[illegible]		
25		TA-15	[illegible]	[illegible]	X						X											1	T	[illegible]	
26		TA5-1		1720		X					X											1	T	[illegible]	
27		TA5-5		1750					X													1	P		
28		TA4-1		[illegible]					X													1	[illegible]	P	
29		TA3-2		1500					X													1	P	P	
30		TA6-2	V	[illegible]		X		X			X			V						V		1	T	[illegible]	

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

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CHAIN OF CUSTODY RECORD

Pg 2 of

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☑

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☑ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn: [illegible]
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: [illegible] Project #: A8050-06-03 Sampler: (Printed Name) [illegible] (Signature)

Relinquished by: (Signature and Printed Name) [illegible] Date: Time: Received by: (Signature and Printed Name) [illegible] Date: Time:
Relinquished by: (Signature and Printed Name) [illegible] Date: Time: Received by: (Signature and Printed Name) [illegible] Date: [illegible] Time: [illegible]
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: [illegible]
Print Name Date
Signature

Send Report To: Attn: ____ Co: ____ Address ____ City ____ State ____ Zip ____

Bill To: Attn: ____ Co: ____ Address ____ City ____ State ____ Zip ____

Special Instructions/Comments: [illegible]

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other ____
☐ Return To: ____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL

LAB USE ONLY: Batch #:

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-TPH); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPH/GB/BTEX (COMBINATION); 8015M TPH/D (DIESEL-GC); TPH 2.2 matched; CHEM TPH 8015 [illegible]

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER ____

Item	Lab No.	Sample I.D.	Date	Time	8081 / 8082	8260	625 / 8270	Metals-Total	8015M TPH/GB/BTEX	8015M TPH/D	TPH 2.2 matched	CHEM TPH 8015	TPH 8015 [illegible]	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
01		221-1	6/2	0820	X									X							L	1	[illegible]		
02		222-2		0830								X										1	[illegible]		
03		223-1		0840								X										1	7 [illegible]		
04		224-3		0845						X												1	1		
05		225-1		0920						X												1	1		
06		226-2		0925						X												1	[illegible]		
07		[illegible]		[illegible]							X											1	[illegible]		
08		[illegible]		[illegible]							X											1	[illegible]		
09		[illegible]		[illegible]						X															
10		[illegible]		[illegible]						X												1	[illegible]		N

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

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CHAIN OF CUSTODY RECORD

Pg 4 of

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: Time:

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn: [illegible]
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: [illegible] Project #: [illegible] Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) [illegible] Date: Time: Received by: (Signature and Printed Name) [illegible] Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) [illegible] Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: [illegible]
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments: [illegible]

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB/GC); 8260 (VOC/Halos-GC/MS); 8015 / 8270 (SIM-GC/MS); Metals: Total (CAC-3010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPHD (Diesel-GC); TPH as Diesel; TPH as Gasoline; Hexavalent Chromium

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D.	Date	Time	8081	8260	8015	Metals	8015M	8015M	TPH as Diesel	TPH as Gasoline	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
11		227-2	[illegible]	[illegible]							X									L	1	[illegible]		
12		228-[illegible]		[illegible]							X										1	[illegible]		
13		228-1		[illegible]							X										1	[illegible]		
14		228-2		1110							X										1	[illegible]		
15		227-1		1130	X					X											1	TPH		
16		225-[illegible]		1210							X										1	[illegible]		
17		228-1		1215							X										1	[illegible]		
18		228-2		1220							X										1	[illegible]		
19		229-1		1250				X		X											1	TPH		
20		[illegible]		1220							X										1	[illegible]		

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

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CHAIN OF CUSTODY RECORD

Pg 1 of

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-In ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn: [illegible]
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: [illegible] Project #: [illegible] Sampler: (Printed Name) [illegible] (Signature)

Relinquished by: (Signature and Printed Name) [illegible] Date: Time: Received by: (Signature and Printed Name) [illegible] Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr./Submitter: [illegible]
Print Name Date
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Bill To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments: Homogenize soil samples, [illegible] to Analyst. [illegible]

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL

TAB USE ONLY: Batch #:

Sample Description 2001

Lab No.	Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCBs-GC)	8260 (Volatiles-GC/MS)	625 / 8270 (BNA-GC/MS)	Metals-Total (CAC-6010 / 7000)	8015M TPH/GETEX (GC/MS-GC)	8015M TPH-D (Diesel-GC)	DNA 22 metals	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
41	730-1	8/1	1335						X	X	X							L	1	BV		
42	730-2		1340						X	X									1	BP		
43	731-[illegible]		1345						X	X									1	BP		
44	731-1		1350						X	X									1	BP		
45	731-2		1355						X	X									1	BP		
46	731-SLAG		1401						X	X	X								1	BP		

QA/QC: RTNE ☑ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER _____

* TAT starts 6 a.m. following day if sample received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

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FAX

Date	*September 4, 2001*
Number of pages including cover sheet	*1*

TO:	*Diane* *Advanced Technology Laboratories*
Phone	*562.989.4045*
Fax	*562.989.4040*

FROM:	*John E. Juhrend, PE, CEG* *Principal* *Geocon Consultants, Inc.* *11375 Sunrise Park Dr., Suite 100* *Rancho Cordova, CA 95742*
E-Mail	*juhrend@geoconinc.com*
Phone	*916.852.9118*
Fax	*916.852.9132*

CC:

REMARKS: ☒ *Urgent* ☐ *For your review* ☒ *Reply ASAP* ☐ *Please Comment*

Diane - Greenway A8050-06-03 ATL 052729 - Please run WET and DI-WET soluble testing on the following:

002A T1-1 As
003A T1-2 As
008A T3-1 As
012A SD BOX #1 SOIL Pb
015A T4-1 As
016A T4-2 As
018A S3-0 Pb
020A T5-.5 Va
022A T5-2 As
025A T6-1 As
030A RET WALL #1 SOIL Pb
031A T7-.5 Cu and Pb
036A T8-STK Ba (please also run Chromium VI total)
037A T8-5.5 Pb
038A T8-7 Pb
043A T12-.5 Cu and Pb
049A T15-.5 As and Pb
052A T16-.5 Va (please also run Chromium VI total)
057A T19-.5 Pb
064A T24-.5 As. Cu and Pb
067A S9-0 Pb
068A S10-0 Pb
072A T26-.5 Va
080A T30-.5 As
083A T31-.5 Cu and Pb
086A T31-SLAG Cu

Pease call with any questions and thanks for the prompt results. I'm assuming that you forward the 8151A data upon receipt. John

Diane

From: John Juhrend [juhrend@geoconinc.com]
Sent: Friday, September 07, 2001 3:05 PM
To: Diane
Cc: Kevin Brown
Subject: RE: Greenway Trail

Diane -

Please verify presence of creosote. Thanks,

John E. Juhrend, PE, CEG
Geocon Consultants, Inc.
11375 Sunrise Park Drive, Suite 100
Rancho Cordova, CA 95742
916.852.9118 Tel
916.852.9132 Fax
juhrend@geoconinc.com

CHAIN OF CUSTODY RECORD

Pg 1 of

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: Time:

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☑

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☑ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn: [illegible]
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: [illegible] Project #: A8050-05-03 Sampler: (Printed Name) [illegible] (Signature)

Relinquished by: (Signature and Printed Name) [illegible] Date: Time: Received by: (Signature and Printed Name) [illegible] Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) [illegible] Date: 8/24/01 Time: 14:00
Relinquished by: (Signature and Printed Name) [illegible] Date: 8/24/01 Time: Received by: (Signature and Printed Name) [illegible] Date: 8/24/01 Time: 5:30 pm

Thereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: [illegible] 8/23/01
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments: [illegible]

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	QA/QC REMARKS
	52729-001	TT-.5	8/23/01	0700	X							E	1	BP	C	
	52729-002	TT-1		0750									1	B		
	52729-003	TT-2		0750									1	BP		
	-004	T2-.5		0800									1	TM		
	-005	T2-1		0800									1	BP		
	-006	T2-2		0810									1	BP		
	-007	T3-.5		0850									1	BP		
	-008	T3-1		0850									1	BP		
	-009	T3-2		0900									1	BP		
	-010	T3-TB G	↓	0910	↓							↓	1	TP	↓	

QA/QC: RTNE ☒ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=Zn(AC)$_2$ O=NaOH T=$Na_2S_2O_3$

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

2/.. - PLEASE CALL JJ FOR LAB ASSIGNMENTS & PROCESSING

CHAIN OF CUSTODY RECORD

Pg ___ of ___

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Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

P.O.#: ______
Logged By: ______ Date: ______ Time: ______

FOR LABORATORY USE ONLY:

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☒

Sample Condition Upon Receipt:
1. CHILLED Y☒ N☐
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☒ N☐
4. SEALED Y☐ N☒
5. # OF SPLS MATCH COC Y☒ N☐
6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn: John Juhrend
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Greenway Trail
Project #: A8050-06-03
Sampler: (Printed Name) John Juhrend (Signature)

Relinquished by: (Signature and Printed Name) John Juhrend Date: Time: Received by: (Signature and Printed Name) Golden State Overnight Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: 8/24/01 Time: 19:00
Relinquished by: (Signature and Printed Name) JA Date: 8/24/01 Time: Received by: (Signature and Printed Name) Date: 8/24/01 Time: 5:30pm

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: John Juhrend
Print Name ______ Date ______
Signature ______

Send Report To: Attn: ______ Co: ______ Address: ______ City ______ State ______ Zip ______

Bill To: Attn: ______ Co: ______ Address: ______ City ______ State ______ Zip ______

Special Instructions/Comments: Homogenize soil samples prior to metals analyses

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other ______
☐ Return To: ______

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPHD (Diesel-GC)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

LAB USE ONLY: Batch #:

Lab No.	Sample I.D.	Date (2001)	Time	Matrix	Other	TAT	#	Type
52229-011	SD BAR - 1	8/23	0[illegible]	X (Solid • Soil • Sludge)	X	[illegible]	1	BP
-012	SD B-4 #1 soil		0735				1	BP
-013	S2-.5		0735				1	BP
-014	S1-.5		1000				1	BP
-015	S1-1		1005				1	BP
-016	S2-1		1010				1	BP
-017	S2-.5		1020				1	TM
-018	S3-0		1030				1	BP
-019	S4-0		1040				1	BP
-020	T5-.5		1120				1	BP

PRESERVATION / REMARKS

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER ______

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: ...

CHAIN OF CUSTODY RECORD

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P.O.#:

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Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☑

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☑ N☐
4. SEALED Y☐ N☑
5. # OF SPLS MATCH COC Y☑ N☐
6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn: John Schwend
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Greenway Trail Project #: AE050-06-03 Sampler: (Printed Name) John Schwend (Signature)

Relinquished by: (Signature and Printed Name) John Schwend Date: Time: Received by: (Signature and Printed Name) Golden State Overnight Date: 8/25/01 Time: 14:00

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) JA Date 8/24/01 Time: Received by: (Signature and Printed Name) Date: 8/24/01 Time: 6:30 pm

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: John Schwend
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments: Homogenize soil samples prior to metals analyses

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description / Sample I.D.	Date	Time	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	-021	TS-1	8/23	1125	E	1	[illegible]		
	-022	TS-2		1130		1	[illegible]		
	-023	TS-5		1145		1	[illegible]		
	-024	TS-5		1200		1	[illegible]		
	-025	TS-1		1205		1	[illegible]		
	-026	TS-2		1210		1	[illegible]		
	-027	TS-5		1220		1	[illegible]		
	-028	TS-5		1245		1	[illegible]		
	-029	RET WALL #1		1345	X	1	[illegible]		
	-030	RET WALL #1 SOIL		1350		1	[illegible]		

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=Zn(AC) O=NaOH T=$Na_2S_2O_3$

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

CHAIN OF CUSTODY RECORD

Pg 1 of

Advanced Technology Laboratories

1510 E. 33rd Street
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(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

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Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn: John Schwend
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Greenway Trail Project #: A8050.06.03 Sampler: (Printed Name) John Schwend (Signature)

Relinquished by: (Signature and Printed Name) John Schwend Date: Time: Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: 8/24/01 Time: 14:00

Relinquished by: (Signature and Printed Name) JTA Date: 8/24/01 Time: Received by: (Signature and Printed Name) Date: 8/24/01 Time: 5:30p

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: John Schwend
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments: Homogenize Soil Samples Prior to metals Analyses

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description 2001 Sample I.D.	Date	Time	SOLID • SOIL • SLUDGE	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	-031	TT-.5	8/25	1355	X	E	1	[illegible]	C	
	-032	TT-1		1400			1	[illegible]		
	-033	TT-2		1405			1	[illegible]		
	-034	TT-MEA		1410			1	[illegible]		
	-035	T6-1		1420			1	[illegible]		
	-036	T8-SH		1430			1	[illegible]		
	-037	T9-5.5		1435			1	[illegible]		
	-038	T6-7		1600			1	[illegible]		
	-039	T9-1		1130			1	[illegible]		
	-040	T10-1		1140			1	[illegible]		

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report Yellow to folder Pink to submitter

CHAIN OF CUSTODY RECORD

Pg 5 of

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Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn: John Schwend
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Greenway Trail Project #: A8050-06-03 Sampler: (Printed Name) John Schwend (Signature)

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: 8/24/01 Time: 14:00
Relinquished by: (Signature and Printed Name) Date: 8/24/01 Time: Received by: (Signature and Printed Name) Date: 8/24/01 Time: 530pm

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: John Schwend
Print Name Date
Signature

Send Report To: Attn: Co: Address: City State Zip

Bill To: Attn: Co: Address: City State Zip

Special Instructions/Comments: Homogenize Soil Samples Prior to Metal Analyses

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal: ☐ Laboratory Standard ☐ Other ☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date (2001)	Time	SOLID • SOIL • SLUDGE	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	-041	SS-0	8/23	1645	X	E	1	1 Jar		
	-042	TH-2		1700			1	1 Jar		
	-043	TR-.5		1730			1	1 BP		
	-044	TR-1		1735			1	1 BP		
	-045	TR-2		1740			1	1 BP		
	-046	SS-0		1800			1	1 Jar		
	-047	TB-2		1805			1	1 Jar		
	-048	TH-1		1700			1	1 Jar		
	-049	TS-.5		1705			2	1 BP		[illegible]
	-050	TS-1		1710			1	1 BP		

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=Zn(AC) [redacted] NaOH [redacted] T=Na[redacted]

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal [redacted]

CHAIN OF CUSTODY RECORD

Pg 2 of

Advanced Technology Laboratories
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Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: Time:

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☑

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☑ N☐
4. SEALED Y☐ N☑
5. # OF SPLS MATCH COC Y☑ N☐
6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn: John Schwend
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Greenway Trail Project #: A6050-06-03 Sampler: (Printed Name) John Schwend (Signature)

Relinquished by: (Signature and Printed Name) [illegible] Date: Time: Received by: (Signature and Printed Name) Overnight State Overnight Date: 8/24/01 Time: 11:00

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) [illegible] Date: 8/24/01 Time: Received by: (Signature and Printed Name) [illegible] Date: 8/24/01 Time: 5:30 p.m.

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: John Schwend
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments: Homogenize Soil Samples Prior to Metal Analyses

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 825 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description 2001 / Sample I.D.	Date	Time	SOLID • SOIL • SLUDGE	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	-051	116-2	8/23	1700	X	E	1	BS		
	-052	116-.5		1700			1	BS		
	-053	116-1		1700			1	BS		
	-054	116-2		1730			1	BS		
	-055	118-1.5	8/24	0900			1	VOA		
	-056	119-1		1730			1	VOA		
	-057	119-.5		1750			1	BS		
	-058	119-1		1755			1	BS		
	-059	119-2		1800			1	BS		
	-060	120-2		0810			1	VOA		

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Pg 7 of

Advanced Technology Laboratories

1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: Time:

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☑

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☑ N☐
4. SEALED Y☐ N☑
5. # OF SPLS MATCH COC Y☑ N☐
6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn: John Johrend
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Greenway Trail Project #: AE050.06.03 Sampler: John Johrend (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) John Johrend Date: Time: Received by: (Signature and Printed Name) Sacramento State Overnight Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: 8/24/01 Time: 14:00

Relinquished by: (Signature and Printed Name) JA Date: 8/24/01 Time: Received by: (Signature and Printed Name) Date: 8/24/01 Time: 5:30 pm

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: John Johrend
Print Name Date
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments: Homogenice Soil Samples Prior to Metals Analyses

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:

* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description / Sample I.D.	Date	Time	SOLID • SOIL • SLUDGE	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	-061	121-1	8/23	0820	X	E	1	VOA		
	-062	122-2		0830			1	VOA		
	-063	123-1		0840			1	VOA		
	-064	124-.5		1915			1	8oz		
	-065	124-1		1920			1	8oz		
	-066	124-2		1925			1	8oz		
	-067	59-0		1000			1	8oz		
	-068	510-0		1010			1	8oz		
	-069	125-.5		1030			1	8oz		
	-070	125-1		1035			1	8oz		

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

CHAIN OF CUSTODY RECORD

Pg 1 of

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: Time:

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt: 1. CHILLED Y☐ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☐ N☐ 4. SEALED Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn: John Schwend
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Greenway Trail Project #: A8C50-06-03 Sampler: John Schwend (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) [illegible] Date: Time: Received by: (Signature and Printed Name) Golden State Overnight Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) ATL Date: 8/28/01 Time: 14:00

Relinquished by: (Signature and Printed Name) JA Date: 8/24/01 Time: Received by: (Signature and Printed Name) [illegible] Date: 8/24/01 Time: 5:30pm

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: John Schwend
Print Name Date
Signature

Send Report To: Attn: Co: Address: City State Zip

Bill To: Attn: Co: Address: City State Zip

Special Instructions/Comments: Homogenize Soil Samples Prior to metals Analyses

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☒ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description 2001 Sample I.D.	Date	Time	8081 / 8082 (Pesticides/PCB-GC)	8260 (Volatiles-GC/MS)	625 / 8270 (BNA-GC/MS)	Metals-Total (CAC-6010 / 7000)	8015M TPHG/BTEX (COMBINATION)	8015M TPH/D (Diesel-GC)	SOLID • SOIL • SLUDGE	OIL • SOLVENT • LIQUID	WATER • WASTEWATER	DRINKING WATER	AIR	WIPE • FILTER	OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	-071	125-2	8/23	1010							X							E	1	1		
	-072	125-5		1100															1	1		
	-073	126-1		1105															1	1		
	-074	126-2		1110															1	1		
	-075	127-1		1130															1	1		
	-076	128-5		1210															1	1		
	-077	128-1		1215															1	1		
	-078	128-2		1220															1	1		
	-079	129-1		1230															1	1		
	-080	130-5		1330															1	1		

* TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Pg 9 of

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: Time:

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☑ N☐
4. SEALED Y☐ N☑
5. # OF SPLS MATCH COC Y☑ N☐
6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL - SACRAMENTO
Attn: John Tuhrend
Address: 11375 Sunrise Park Drive, Suite 100
City: Rancho Cordova State: CA Zip Code: 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

Project Name: Greenway Trail Project #: AE050-06-03 Sampler: (Printed Name) John Tuhrend (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Julie A. Espinel			Western State Overnight		
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	8/24/01	7:00
Relinquished by: (Signature and Printed Name) 8/24/01	Date:	Time:	Received by: (Signature and Printed Name)	8/24/01	Time: 530 pm

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: John Tuhrend
Print Name Date
Signature

Send Report To: Attn: Co: Address: City State Zip

Bill To: Attn: Co: Address: City State Zip

Special Instructions/Comments: Homogenize Soil Samples Prior to Metals Analyses

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other
☐ Return To:
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

LAB USE ONLY: Batch #:

Sample Description 1001

Circle or Add Analysis(es) Requested: 8081 / 8082 (Pesticides/PCB-GC); 8260 (Volatiles-GC/MS); 625 / 8270 (BNA-GC/MS); Metals-Total (CAC-6010 / 7000); 8015M TPHG/BTEX (COMBINATION); 8015M TPH/D (Diesel-GC)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

QA/QC: RTNE ☑ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER

ITEM	Lab No.	Sample I.D.	Date	Time	SOLID • SOIL • SLUDGE	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	-081	T30-1	8/23	1335	X	E	1	BP	C	
	-082	T30-2		1340			1	BP		
	-083	T31-.5		1345			1	BP		
	-084	T31-1		1350			1	BP		
	-085	T31-2		1355			1	BP		
	-086	T31-SLAG		1400			1	BP		
	~~-087~~									
	~~-088~~									
	~~-089~~									
	~~-090~~									

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=Zn(AC) O=NaOH T=Na$_2$S$_2$O$_3$

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Advanced Technology Laboratories **Date:** *10-Sep-01*

CLIENT: Geocon Environmental
Project: Greenway Trail - A8050-06-03
Lab Order: 052729

CASE NARRATIVE

Samples for Herbicides (8151A) were subcontracted to D-Tek Laboratory with DOHS Cert. #2344.

Sample 052729-010A was diluted for Method 8270, due to matrix interference.

Samples 052729-041A, 052729-046A and 052729-075A were diluted for Method 8081/8082, due to matrix interference.

Samples 052729-010A, 052729-034A, 052729-036A, 052729-037A, 052729-038A, 052729-039A, 052729-040A, 052729-042A, 052729-047A, 052729-056A, 052729-060A, 052729-062A, 052729-063A and 052729-079A contain hydrocarbons within the Motor Oil range. Quantitation is based on a Motor Oil standard.

For Creosote, Table 1 of Title 22 (Environmental Health Standards Hazardous Waste) footnote 1 states: Analyze for phenantherene and carbazole; if these are present in a ratio between 1.4:1 and 5:1 creosote shall be deemed present. Phenantherene and carbazole are not present at the stated limit for sample 052729-010A.

Advanced Technology Laboratories

Print Date: *8/31/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	T1-.5
Lab Order:	052729		
Project:	Greenway Trail - A8050-06-03	**Collection Date:**	8/23/01
Lab ID:	052729-001A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS			**EPA 6010B**			
RunID: **ICP2_010828B** BatchID: **5555**				PrepDate: **8/28/01**		Analyst: **RQ**
Antimony	0.50	0.25		mg/Kg	1.0	8/28/01
Arsenic	34	0.25		mg/Kg	1.0	8/28/01
Barium	140	0.15		mg/Kg	1.0	8/28/01
Beryllium	ND	0.15		mg/Kg	1.0	8/28/01
Cadmium	ND	0.15		mg/Kg	1.0	8/28/01
Chromium	30	0.15		mg/Kg	1.0	8/28/01
Cobalt	5.5	0.15		mg/Kg	1.0	8/28/01
Copper	46	0.15		mg/Kg	1.0	8/28/01
Lead	48	0.25		mg/Kg	1.0	8/28/01
Molybdenum	1.5	0.25		mg/Kg	1.0	8/28/01
Nickel	14	0.15		mg/Kg	1.0	8/28/01
Selenium	ND	0.25		mg/Kg	1.0	8/28/01
Silver	ND	0.15		mg/Kg	1.0	8/28/01
Thallium	1.5	0.25		mg/Kg	1.0	8/28/01
Vanadium	38	0.15		mg/Kg	1.0	8/28/01
Zinc	64	0.50		mg/Kg	1.0	8/28/01
MERCURY BY COLD VAPOR TECHNIQUE			**EPA 7471A**			
RunID: **AA1_010830B** BatchID: **5573**				PrepDate: **8/28/01**		Analyst: **NS**
Mercury	0.10	0.10		mg/Kg	1.0	8/30/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories
2275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 [illegible]

Advanced Technology Laboratories

Print Date: *8/31/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	T1-1
Lab Order:	052729		
Project:	Greenway Trail - A8050-06-03	**Collection Date:**	8/23/01
Lab ID:	052729-002A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS			**EPA 6010B**			
RunID: **ICP2_010828B** BatchID: **5555**				PrepDate: **8/28/01**		Analyst: **RQ**
Antimony	0.50	0.25		mg/Kg	1.0	8/28/01
Arsenic	210	0.25		mg/Kg	1.0	8/28/01
Barium	38	0.15		mg/Kg	1.0	8/28/01
Beryllium	ND	0.15		mg/Kg	1.0	8/28/01
Cadmium	ND	0.15		mg/Kg	1.0	8/28/01
Chromium	7.5	0.15		mg/Kg	1.0	8/28/01
Cobalt	3.5	0.15		mg/Kg	1.0	8/28/01
Copper	22	0.15		mg/Kg	1.0	8/28/01
Lead	44	0.25		mg/Kg	1.0	8/28/01
Molybdenum	0.25	0.25		mg/Kg	1.0	8/28/01
Nickel	6.0	0.15		mg/Kg	1.0	8/28/01
Selenium	ND	0.25		mg/Kg	1.0	8/28/01
Silver	ND	0.15		mg/Kg	1.0	8/28/01
Thallium	1.5	0.25		mg/Kg	1.0	8/28/01
Vanadium	15	0.15		mg/Kg	1.0	8/28/01
Zinc	110	0.50		mg/Kg	1.0	8/28/01
MERCURY BY COLD VAPOR TECHNIQUE			**EPA 7471A**			
RunID: **AA1_010830B** BatchID: **5573**				PrepDate: **8/28/01**		Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1.0	8/30/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials:_____

Advanced Technology Laboratories
[illegible]

Advanced Technology Laboratories

Print Date: *8/31/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	T1-2
Lab Order:	052729		
Project:	Greenway Trail - A8050-06-03	**Collection Date:**	8/23/01
Lab ID:	052729-003A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS			**EPA 6010B**			
RunID: **ICP2_010828B** BatchID: **5555**				PrepDate: **8/28/01**		Analyst: **RQ**
Antimony	0.42	0.25		mg/Kg	1.0	8/28/01
Arsenic	93	0.25		mg/Kg	1.0	8/28/01
Barium	71	0.15		mg/Kg	1.0	8/28/01
Beryllium	ND	0.15		mg/Kg	1.0	8/28/01
Cadmium	ND	0.15		mg/Kg	1.0	8/28/01
Chromium	11	0.15		mg/Kg	1.0	8/28/01
Cobalt	6.4	0.15		mg/Kg	1.0	8/28/01
Copper	30	0.15		mg/Kg	1.0	8/28/01
Lead	28	0.25		mg/Kg	1.0	8/28/01
Molybdenum	0.39	0.25		mg/Kg	1.0	8/28/01
Nickel	10	0.15		mg/Kg	1.0	8/28/01
Selenium	ND	0.25		mg/Kg	1.0	8/28/01
Silver	ND	0.15		mg/Kg	1.0	8/28/01
Thallium	1.2	0.25		mg/Kg	1.0	8/28/01
Vanadium	23	0.15		mg/Kg	1.0	8/28/01
Zinc	230	0.50		mg/Kg	1.0	8/28/01
MERCURY BY COLD VAPOR TECHNIQUE			**EPA 7471A**			
RunID: **AA1_010830B** BatchID: **5573**				PrepDate: **8/28/01**		Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1.0	8/30/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DC - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials: _____

Advanced Technology Laboratories

Print Date: *8/31/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	T2-.5
Lab Order:	052729		
Project:	Greenway Trail - A8050-06-03	**Collection Date:**	8/23/01
Lab ID:	052729-004A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS			**EPA 6010B**			
RunID: **ICP2_010828B** BatchID: **5555**				PrepDate: **8/28/01**		Analyst: **RQ**
Antimony	0.49	0.25		mg/Kg	1.0	8/28/01
Arsenic	12	0.25		mg/Kg	1.0	8/28/01
Barium	110	0.15		mg/Kg	1.0	8/28/01
Beryllium	ND	0.15		mg/Kg	1.0	8/28/01
Cadmium	ND	0.15		mg/Kg	1.0	8/28/01
Chromium	22	0.15		mg/Kg	1.0	8/28/01
Cobalt	9.5	0.15		mg/Kg	1.0	8/28/01
Copper	22	0.15		mg/Kg	1.0	8/28/01
Lead	5.0	0.25		mg/Kg	1.0	8/28/01
Molybdenum	0.48	0.25		mg/Kg	1.0	8/28/01
Nickel	18	0.15		mg/Kg	1.0	8/28/01
Selenium	ND	0.25		mg/Kg	1.0	8/28/01
Silver	ND	0.15		mg/Kg	1.0	8/28/01
Thallium	1.0	0.25		mg/Kg	1.0	8/28/01
Vanadium	41	0.15		mg/Kg	1.0	8/28/01
Zinc	52	0.50		mg/Kg	1.0	8/28/01
MERCURY BY COLD VAPOR TECHNIQUE			**EPA 7471A**			
RunID: **AA1_010830B** BatchID: **5573**				PrepDate: **8/28/01**		Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1.0	8/30/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials:_____

Advanced Technology Laboratories
3275 Walnut Avenue [illegible]

Advanced Technology Laboratories

Print Date: *8/31/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	T2-.5
Lab Order:	052729		
Project:	Greenway Trail - A8050-06-03	**Collection Date:**	8/23/01
Lab ID:	052729-004A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC9_010827A** BatchID: **5551**				PrepDate: **8/27/01**		Analyst: **GG**
4,4'-DDD	ND	4.0		µg/Kg	1.0	8/29/01
4,4'-DDE	ND	4.0		µg/Kg	1.0	8/29/01
4,4'-DDT	ND	4.0		µg/Kg	1.0	8/29/01
Aldrin	ND	2.0		µg/Kg	1.0	8/29/01
alpha-BHC	ND	2.0		µg/Kg	1.0	8/29/01
alpha-Chlordane	ND	4.0		µg/Kg	1.0	8/29/01
beta-BHC	ND	2.0		µg/Kg	1.0	8/29/01
Chlordane	ND	17		µg/Kg	1.0	8/29/01
delta-BHC	ND	2.0		µg/Kg	1.0	8/29/01
Dieldrin	ND	4.0		µg/Kg	1.0	8/29/01
Endosulfan I	ND	2.0		µg/Kg	1.0	8/29/01
Endosulfan II	ND	4.0		µg/Kg	1.0	8/29/01
Endosulfan sulfate	ND	4.0		µg/Kg	1.0	8/29/01
Endrin	ND	4.0		µg/Kg	1.0	8/29/01
Endrin aldehyde	ND	4.0		µg/Kg	1.0	8/29/01
Endrin ketone	ND	4.0		µg/Kg	1.0	8/29/01
gamma-BHC	ND	2.0		µg/Kg	1.0	8/29/01
gamma-Chlordane	ND	4.0		µg/Kg	1.0	8/29/01
Heptachlor	ND	2.0		µg/Kg	1.0	8/29/01
Heptachlor epoxide	ND	2.0		µg/Kg	1.0	8/29/01
Methoxychlor	ND	17		µg/Kg	1.0	8/29/01
Toxaphene	ND	170		µg/Kg	1.0	8/29/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC9_010827A** BatchID: **5551**				PrepDate: **8/27/01**		Analyst: **GG**
Aroclor 1016	ND	33		µg/Kg	1.0	8/29/01
Aroclor 1221	ND	67		µg/Kg	1.0	8/29/01
Aroclor 1232	ND	33		µg/Kg	1.0	8/29/01
Aroclor 1242	ND	33		µg/Kg	1.0	8/29/01
Aroclor 1248	ND	33		µg/Kg	1.0	8/29/01
Aroclor 1254	ND	33		µg/Kg	1.0	8/29/01
Aroclor 1260	ND	33		µg/Kg	1.0	8/29/01
Aroclor 1262	ND	33		µg/Kg	1.0	8/29/01
Aroclor 1268	ND	33		µg/Kg	1.0	8/29/01

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Initials: _____

Advanced Technology Laboratories

Print Date: *8/31/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	T2-1
Lab Order:	052729		
Project:	Greenway Trail - A8050-06-03	**Collection Date:**	8/23/01
Lab ID:	052729-005A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS			**EPA 6010B**			
RunID: **ICP2_010828B** BatchID: **5555**				PrepDate: **8/28/01**		Analyst: **RQ**
Antimony	0.50	0.25		mg/Kg	1.0	8/28/01
Arsenic	11	0.25		mg/Kg	1.0	8/28/01
Barium	130	0.15		mg/Kg	1.0	8/28/01
Beryllium	ND	0.15		mg/Kg	1.0	8/28/01
Cadmium	ND	0.15		mg/Kg	1.0	8/28/01
Chromium	20	0.15		mg/Kg	1.0	8/28/01
Cobalt	11	0.15		mg/Kg	1.0	8/28/01
Copper	20	0.15		mg/Kg	1.0	8/28/01
Lead	3.5	0.25		mg/Kg	1.0	8/28/01
Molybdenum	0.50	0.25		mg/Kg	1.0	8/28/01
Nickel	19	0.15		mg/Kg	1.0	8/28/01
Selenium	ND	0.25		mg/Kg	1.0	8/28/01
Silver	ND	0.15		mg/Kg	1.0	8/28/01
Thallium	1.0	0.25		mg/Kg	1.0	8/28/01
Vanadium	37	0.15		mg/Kg	1.0	8/28/01
Zinc	48	0.50		mg/Kg	1.0	8/28/01
MERCURY BY COLD VAPOR TECHNIQUE			**EPA 7471A**			
RunID: **AA1_010830B** BatchID: **5573**				PrepDate: **8/28/01**		Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1.0	8/30/01

Qualifiers:

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H - Samples exceeding analytical holding time
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Initials:_____

Advanced Technology Laboratories

Print Date: *8/31/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	T2-2
Lab Order:	052729		
Project:	Greenway Trail - A8050-06-03	**Collection Date:**	8/23/01
Lab ID:	052729-006A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS			**EPA 6010B**			
RunID: **ICP2_010828B** BatchID: **5555**				PrepDate: **8/28/01**		Analyst: **RQ**
Antimony	0.50	0.25		mg/Kg	1.0	8/28/01
Arsenic	17	0.25		mg/Kg	1.0	8/28/01
Barium	150	0.15		mg/Kg	1.0	8/28/01
Beryllium	ND	0.15		mg/Kg	1.0	8/28/01
Cadmium	ND	0.15		mg/Kg	1.0	8/28/01
Chromium	20	0.15		mg/Kg	1.0	8/28/01
Cobalt	9.0	0.15		mg/Kg	1.0	8/28/01
Copper	28	0.15		mg/Kg	1.0	8/28/01
Lead	14	0.25		mg/Kg	1.0	8/28/01
Molybdenum	0.50	0.25		mg/Kg	1.0	8/28/01
Nickel	18	0.15		mg/Kg	1.0	8/28/01
Selenium	ND	0.25		mg/Kg	1.0	8/28/01
Silver	ND	0.15		mg/Kg	1.0	8/28/01
Thallium	1.0	0.25		mg/Kg	1.0	8/28/01
Vanadium	38	0.15		mg/Kg	1.0	8/28/01
Zinc	100	0.50		mg/Kg	1.0	8/28/01
MERCURY BY COLD VAPOR TECHNIQUE			**EPA 7471A**			
RunID: **AA1_010830B** BatchID: **5573**				PrepDate: **8/28/01**		Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1.0	8/30/01

Qualifiers:

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DO - Surrogate Diluted Out
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Initials:_____

Advanced Technology Laboratories

Print Date: *8/31/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	T3-.5
Lab Order:	052729		
Project:	Greenway Trail - A8050-06-03	**Collection Date:**	8/23/01
Lab ID:	052729-007A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS				**EPA 6010B**		
RunID: **ICP2_010828B** BatchID: **5555**				PrepDate: **8/28/01**		Analyst: **RQ**
Antimony	ND	0.25		mg/Kg	1.0	8/28/01
Arsenic	8.0	0.25		mg/Kg	1.0	8/28/01
Barium	130	0.15		mg/Kg	1.0	8/28/01
Beryllium	ND	0.15		mg/Kg	1.0	8/28/01
Cadmium	ND	0.15		mg/Kg	1.0	8/28/01
Chromium	10	0.15		mg/Kg	1.0	8/28/01
Cobalt	3.0	0.15		mg/Kg	1.0	8/28/01
Copper	14	0.15		mg/Kg	1.0	8/28/01
Lead	18	0.25		mg/Kg	1.0	8/28/01
Molybdenum	0.33	0.25		mg/Kg	1.0	8/28/01
Nickel	5.5	0.15		mg/Kg	1.0	8/28/01
Selenium	ND	0.25		mg/Kg	1.0	8/28/01
Silver	ND	0.15		mg/Kg	1.0	8/28/01
Thallium	0.50	0.25		mg/Kg	1.0	8/28/01
Vanadium	30	0.15		mg/Kg	1.0	8/28/01
Zinc	45	0.50		mg/Kg	1.0	8/28/01
MERCURY BY COLD VAPOR TECHNIQUE				**EPA 7471A**		
RunID: **AA1_010830B** BatchID: **5573**				PrepDate: **8/28/01**		Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1.0	8/30/01

Qualifiers:

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Initials: _____

Advanced Technology Laboratories

Print Date: *8/31/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	T3-1
Lab Order:	052729		
Project:	Greenway Trail - A8050-06-03	**Collection Date:**	8/23/01
Lab ID:	052729-008A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS			**EPA 6010B**			
RunID: **ICP2_010828B** BatchID: **5555**				PrepDate: **8/28/01**		Analyst: **RQ**
Antimony	0.48	0.25		mg/Kg	1.0	8/28/01
Arsenic	120	0.25		mg/Kg	1.0	8/28/01
Barium	130	0.15		mg/Kg	1.0	8/28/01
Beryllium	ND	0.15		mg/Kg	1.0	8/28/01
Cadmium	ND	0.15		mg/Kg	1.0	8/28/01
Chromium	18	0.15		mg/Kg	1.0	8/28/01
Cobalt	10	0.15		mg/Kg	1.0	8/28/01
Copper	18	0.15		mg/Kg	1.0	8/28/01
Lead	3.5	0.25		mg/Kg	1.0	8/28/01
Molybdenum	0.39	0.25		mg/Kg	1.0	8/28/01
Nickel	14	0.15		mg/Kg	1.0	8/28/01
Selenium	ND	0.25		mg/Kg	1.0	8/28/01
Silver	ND	0.15		mg/Kg	1.0	8/28/01
Thallium	1.0	0.25		mg/Kg	1.0	8/28/01
Vanadium	36	0.15		mg/Kg	1.0	8/28/01
Zinc	48	0.50		mg/Kg	1.0	8/28/01
MERCURY BY COLD VAPOR TECHNIQUE			**EPA 7471A**			
RunID: **AA1_010830B** BatchID: **5573**				PrepDate: **8/28/01**		Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1.0	8/30/01

Qualifiers:

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Advanced Technology Laboratories

Print Date: *8/31/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	T3-2
Lab Order:	052729		
Project:	Greenway Trail - A8050-06-03	**Collection Date:**	8/23/01
Lab ID:	052729-009A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS			**EPA 6010B**			
RunID: **ICP2_010828B** BatchID: **5555**				PrepDate: **8/28/01**		Analyst: **RQ**
Antimony	0.50	0.25		mg/Kg	1.0	8/28/01
Arsenic	18	0.25		mg/Kg	1.0	8/28/01
Barium	150	0.15		mg/Kg	1.0	8/28/01
Beryllium	ND	0.15		mg/Kg	1.0	8/28/01
Cadmium	ND	0.15		mg/Kg	1.0	8/28/01
Chromium	27	0.15		mg/Kg	1.0	8/28/01
Cobalt	14	0.15		mg/Kg	1.0	8/28/01
Copper	22	0.15		mg/Kg	1.0	8/28/01
Lead	4.5	0.25		mg/Kg	1.0	8/28/01
Molybdenum	0.42	0.25		mg/Kg	1.0	8/28/01
Nickel	19	0.15		mg/Kg	1.0	8/28/01
Selenium	ND	0.25		mg/Kg	1.0	8/28/01
Silver	ND	0.15		mg/Kg	1.0	8/28/01
Thallium	1.5	0.25		mg/Kg	1.0	8/28/01
Vanadium	53	0.15		mg/Kg	1.0	8/28/01
Zinc	57	0.50		mg/Kg	1.0	8/28/01
MERCURY BY COLD VAPOR TECHNIQUE			**EPA 7471A**			
RunID: **AA1_010830B** BatchID: **5573**				PrepDate: **8/28/01**		Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1.0	8/30/01

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Initials:_____

Advanced Technology Laboratories

Print Date: *9/10/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	T3-TIE G
Lab Order:	052729		
Project:	Greenway Trail - A8050-06-03	**Collection Date:**	8/23/01
Lab ID:	052729-010A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID			**EPA 8015B(M)**			
RunID: **GC7_010829A** BatchID: **5553**				PrepDate: **8/27/01**		Analyst: **DJK**
Diesel	ND	20		mg/Kg	20	8/29/01
Motor Oil	1600	20		mg/Kg	20	8/29/01
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS			**EPA 8270C**			
RunID: **MS7_010827B** BatchID: **5550**				PrepDate: **8/27/01**		Analyst: **JK**
1,2,4-Trichlorobenzene	ND	33000		µg/Kg	100	8/28/01
1,2-Dichlorobenzene	ND	33000		µg/Kg	100	8/28/01
1,3-Dichlorobenzene	ND	33000		µg/Kg	100	8/28/01
1,4-Dichlorobenzene	ND	33000		µg/Kg	100	8/28/01
2,4,5-Trichlorophenol	ND	33000		µg/Kg	100	8/28/01
2,4,6-Trichlorophenol	ND	33000		µg/Kg	100	8/28/01
2,4-Dichlorophenol	ND	160000		µg/Kg	100	8/28/01
2,4-Dimethylphenol	ND	33000		µg/Kg	100	8/28/01
2,4-Dinitrophenol	ND	160000		µg/Kg	100	8/28/01
2,4-Dinitrotoluene	ND	33000		µg/Kg	100	8/28/01
2,6-Dinitrotoluene	ND	33000		µg/Kg	100	8/28/01
2-Chloronaphthalene	ND	33000		µg/Kg	100	8/28/01
2-Chlorophenol	ND	33000		µg/Kg	100	8/28/01
2-Methylnaphthalene	ND	33000		µg/Kg	100	8/28/01
2-Methylphenol	ND	33000		µg/Kg	100	8/28/01
2-Nitroaniline	ND	160000		µg/Kg	100	8/28/01
2-Nitrophenol	ND	33000		µg/Kg	100	8/28/01
3,3'-Dichlorobenzidine	ND	66000		µg/Kg	100	8/28/01
3-Nitroaniline	ND	160000		µg/Kg	100	8/28/01
4,6-Dinitro-2-methylphenol	ND	160000		µg/Kg	100	8/28/01
4-Bromophenyl-phenylether	ND	33000		µg/Kg	100	8/28/01
4-Chloro-3-methylphenol	ND	66000		µg/Kg	100	8/28/01
4-Chloroaniline	ND	66000		µg/Kg	100	8/28/01
4-Chlorophenyl-phenylether	ND	33000		µg/Kg	100	8/28/01
4-Methylphenol	ND	33000		µg/Kg	100	8/28/01
4-Nitroaniline	ND	160000		µg/Kg	100	8/28/01
4-Nitrophenol	ND	160000		µg/Kg	100	8/28/01
Acenaphthene	ND	33000		µg/Kg	100	8/28/01
Acenaphthylene	ND	33000		µg/Kg	100	8/28/01
Anthracene	ND	33000		µg/Kg	100	8/28/01
Benzidine (M)	ND	160000		µg/Kg	100	8/28/01
Benzo(a)anthracene	ND	33000		µg/Kg	100	8/28/01
Benzo(a)pyrene	ND	33000		µg/Kg	100	8/28/01

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Initials:_____

Advanced Technology Laboratories

Print Date: *9/10/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	T3-TIE G
Lab Order:	052729		
Project:	Greenway Trail - A8050-06-03	**Collection Date:**	8/23/01
Lab ID:	052729-010A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS			**EPA 8270C**			
RunID: **MS7_010827B** BatchID: **5550**				PrepDate: **8/27/01**		Analyst: **JK**
Benzo(b)fluoranthene	ND	33000		µg/Kg	100	8/28/01
Benzo(g,h,i)perylene	ND	33000		µg/Kg	100	8/28/01
Benzo(k)fluoranthene	ND	33000		µg/Kg	100	8/28/01
Benzoic acid	ND	160000		µg/Kg	100	8/28/01
Benzyl alcohol	ND	66000		µg/Kg	100	8/28/01
Bis(2-chloroethoxy)methane	ND	33000		µg/Kg	100	8/28/01
Bis(2-chloroethyl)ether	ND	33000		µg/Kg	100	8/28/01
Bis(2-chloroisopropyl)ether	ND	33000		µg/Kg	100	8/28/01
Bis(2-ethylhexyl)phthalate	ND	33000		µg/Kg	100	8/28/01
Butylbenzylphthalate	ND	33000		µg/Kg	100	8/28/01
Carbazole	ND	33000		µg/Kg	100	8/28/01
Chrysene	ND	33000		µg/Kg	100	8/28/01
Di-n-butylphthalate	ND	33000		µg/Kg	100	8/28/01
Di-n-octylphthalate	ND	33000		µg/Kg	100	8/28/01
Dibenz(a,h)anthracene	ND	33000		µg/Kg	100	8/28/01
Dibenzofuran	ND	33000		µg/Kg	100	8/28/01
Diethylphthalate	ND	33000		µg/Kg	100	8/28/01
Dimethylphthalate	ND	33000		µg/Kg	100	8/28/01
Fluoranthene	35000	33000		µg/Kg	100	8/28/01
Fluorene	ND	33000		µg/Kg	100	8/28/01
Hexachlorobenzene	ND	33000		µg/Kg	100	8/28/01
Hexachlorobutadiene	ND	66000		µg/Kg	100	8/28/01
Hexachlorocyclopentadiene	ND	66000		µg/Kg	100	8/28/01
Hexachloroethane	ND	33000		µg/Kg	100	8/28/01
Indeno(1,2,3-cd)pyrene	ND	33000		µg/Kg	100	8/28/01
Isophorone	ND	33000		µg/Kg	100	8/28/01
N-Nitrosodi-n-propylamine	ND	33000		µg/Kg	100	8/28/01
N-Nitrosodiphenylamine	ND	33000		µg/Kg	100	8/28/01
Naphthalene	ND	33000		µg/Kg	100	8/28/01
Nitrobenzene	ND	33000		µg/Kg	100	8/28/01
Pentachlorophenol	ND	160000		µg/Kg	100	8/28/01
Phenanthrene	ND	33000		µg/Kg	100	8/28/01
Phenol	ND	33000		µg/Kg	100	8/28/01
Pyrene	ND	33000		µg/Kg	100	8/28/01

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Initials:_____

Advanced Technology Laboratories

Print Date: *8/31/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	SD BOX #1
Lab Order:	052729		
Project:	Greenway Trail - A8050-06-03	**Collection Date:**	8/23/01
Lab ID:	052729-011A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS			**EPA 6010B**			
RunID: **ICP2_010828B** BatchID: **5555**				PrepDate: **8/28/01**		Analyst: **RQ**
Lead	1100	0.25		mg/Kg	1.0	8/28/01

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interference.

H - Samples exceeding analytical holding time

E - Value above quantitation range

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Initials:_____

Advanced Technology Laboratories

Print Date: *8/31/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	SD BOX #1 SOIL
Lab Order:	052729		
Project:	Greenway Trail - A8050-06-03	**Collection Date:**	8/23/01
Lab ID:	052729-012A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS			**EPA 6010B**			
RunID: **ICP2_010828B** BatchID: **5555**				PrepDate: **8/28/01**		Analyst: **RQ**
Lead	60	0.25		mg/Kg	1.0	8/28/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DC - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
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Initials:_____

Advanced Technology Laboratories
1275 Normal Avenue Signal Hill, CA 90807 Tel: 562 [illegible] Fax: 562 [illegible]

Advanced Technology Laboratories

Print Date: *8/31/01*

CLIENT:	Geocon Environmental	**Client Sample ID:**	S1-.5
Lab Order:	052729		
Project:	Greenway Trail - A8050-06-03	**Collection Date:**	8/23/01
Lab ID:	052729-013A	**Matrix:**	Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD			**EPA 8081A**			
RunID: **GC9_010827A** BatchID: **5551**				PrepDate: **8/27/01**		Analyst: **GG**
4,4'-DDD	6.2	4.0		µg/Kg	1.0	8/29/01
4,4'-DDE	20	4.0		µg/Kg	1.0	8/29/01
4,4'-DDT	46	4.0		µg/Kg	1.0	8/29/01
Aldrin	ND	2.0		µg/Kg	1.0	8/29/01
alpha-BHC	ND	2.0		µg/Kg	1.0	8/29/01
alpha-Chlordane	9.2	4.0		µg/Kg	1.0	8/29/01
beta-BHC	ND	2.0		µg/Kg	1.0	8/29/01
Chlordane	60	17		µg/Kg	1.0	8/29/01
delta-BHC	ND	2.0		µg/Kg	1.0	8/29/01
Dieldrin	5.7	4.0		µg/Kg	1.0	8/29/01
Endosulfan I	ND	2.0		µg/Kg	1.0	8/29/01
Endosulfan II	ND	4.0		µg/Kg	1.0	8/29/01
Endosulfan sulfate	ND	4.0		µg/Kg	1.0	8/29/01
Endrin	ND	4.0		µg/Kg	1.0	8/29/01
Endrin aldehyde	ND	4.0		µg/Kg	1.0	8/29/01
Endrin ketone	ND	4.0		µg/Kg	1.0	8/29/01
gamma-BHC	ND	2.0		µg/Kg	1.0	8/29/01
gamma-Chlordane	9.5	4.0		µg/Kg	1.0	8/29/01
Heptachlor	ND	2.0		µg/Kg	1.0	8/29/01
Heptachlor epoxide	2.6	2.0		µg/Kg	1.0	8/29/01
Methoxychlor	ND	17		µg/Kg	1.0	8/29/01
Toxaphene	ND	170		µg/Kg	1.0	8/29/01
PCB BY GC/ECD			**EPA 8082**			
RunID: **GC9_010827A** BatchID: **5551**				PrepDate: **8/27/01**		Analyst: **GG**
Aroclor 1016	ND	33		µg/Kg	1.0	8/29/01
Aroclor 1221	ND	67		µg/Kg	1.0	8/29/01
Aroclor 1232	ND	33		µg/Kg	1.0	8/29/01
Aroclor 1242	ND	33		µg/Kg	1.0	8/29/01
Aroclor 1248	ND	33		µg/Kg	1.0	8/29/01
Aroclor 1254	ND	33		µg/Kg	1.0	8/29/01
Aroclor 1260	220	33		µg/Kg	1.0	8/29/01
Aroclor 1262	ND	33		µg/Kg	1.0	8/29/01
Aroclor 1268	ND	33		µg/Kg	1.0	8/29/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interference.
H - Samples exceeding analytical holding time
E - Value above quantitation range
M - Not Monitored. Highly Reactive

Initials:_____