FOR CONTRACT NO.: 03-3797U4

INFORMATION HANDOUT

MATERIALS INFORMATION

ASBESTOS SURVEY REPORT

SOIL pH RESULTS

ROUTE: 03-Sac-80-R10.9/R11.7,M0.0/M10.4

ADDED PER ADDENDUM No. 6 DATED JUNE 7, 2011

PREPARED FOR:

CALIFORNIA DEPARTMENT OF TRANSPORTATION
DISTRICT 3
703 B STREET, P.0. BOX 911
MARYSVILLE, CALIFORNIA

PREPARED BY:

GEOCON CONSULTANTS, INC.
3160 GOLD VALLEY DRIVE, SUITE 800
RANCHO CORDOVA, CALIFORNIA 95742

GEOCON PROJECT NO. S9300-06-08
TASK ORDER NO. 08, EA 03-379700

MARCH 2008

GEOCON
CONSULTANTS, INC.
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS

Project No. S9300-06-08
March 5, 2008

Mr. Rajive Chadha
California Department of Transportation – District 3
703 B Street
Marysville, California 95901

Subject: INTERSTATE 80 BRIDGES
SACRAMENTO COUNTY, CALIFORNIA
CONTRACT NO. 03A1368
TASK ORDER NO. 8, EA NO. 03-379700
ASBESTOS SURVEY REPORT

Dear Mr. Chadha:

In accordance with California Department of Transportation Contract No. 03A1368 and Task Order No. 8, we have performed an asbestos survey for the subject project in Sacramento County, California. The scope of services included surveying four bridges for suspect asbestos-containing materials, collecting bulk samples, and submitting the samples to a laboratory for analysis.

The accompanying report summarizes the services performed and laboratory analysis.

The contents of this report reflect the views of Geocon Consultants, Inc., who are responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the State of California or the Federal Highway Administration. This report does not constitute a standard, specification, or regulation.

Please contact us if you have questions concerning the contents of this report or if we may be of further service.

Sincerely,

GEOCON CONSULTANTS, INC.

David A. Watts, CAC
Senior Project Scientist

John E. Juhrend, PE, CEG
Project Manager

DAW:JEJ:jaj

(5 + 3 CDs) Addressee

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ASBESTOS SURVEY REPORT

1.0 INTRODUCTION

This asbestos survey report was prepared by Geocon Consultants, Inc. under Caltrans Contract No. 03A1368, Task Order No. 8 (TO-8).

1.1 Project Description

The project consists of four twin-span bridges (Bridges 24-0193L/R [Del Paso Park Overhead], 24-0205L/R [Winters Street Undercrossing], 24-0203L/R [Del Paso Heights Overhead], and 24-0218L/R [Natomas East Canal Overhead]) located on Interstate 80 (I-80) between Post Miles 0.3 and 10.4 in Sacramento County, California. We performed asbestos survey activities at the project location. The project location is depicted on the Vicinity Map, Figure 1, and Site Plan, Figure 2.

1.2 General Objectives

The purpose of the scope of services outlined in TO-8 was to determine the presence and quantity of asbestos at the bridge locations prior to I-80 improvement activities. Caltrans will use the information obtained from this investigation for waste profiling, determining California Occupational Safety and Health Administration (Cal/OSHA) applicability, and coordinating asbestos disturbance activities.

2.0 BACKGROUND

2.1 Asbestos

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 material (ACM) as any material or product that contains *greater than* 1% asbestos. Nonfriable ACM is 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 nonfriable 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), a hazardous waste when friable, is classified as any manufactured material that contains *greater than* 1% asbestos by dry weight *and* is:

- Friable (can be crumbled, pulverized, or reduced to powder by hand pressure); or
- Category I material that has become friable; or

- Category I material that has been subjected to sanding grinding, cutting or abrading; or
- Category II nonfriable material that has a high probability of becoming crumbled, pulverized, or reduced to a powder during demolition or renovation activities.

Activities that disturb materials containing *any* amount of asbestos are subject to certain requirements of the Cal/OSHA asbestos standard contained in Title 8, CCR Section 1529. Typically, removal or disturbance of more than 100 square feet of material containing more than 0.1% asbestos must be performed by a registered asbestos abatement contractor, but associated waste labeling is not required if the material contains 1% or less asbestos. When the asbestos content of a material exceeds 1%, virtually all requirements of the standard become effective.

Materials containing more than 1% asbestos are also subject to NESHAP regulations (40 CFR Part 61, Subpart M). RACM (friable ACM and nonfriable ACM that will become friable during demolition operations) must be removed from structures prior to demolition. Certain nonfriable ACM and materials containing 1% or less asbestos may remain in structures during demolition; however, there are waste handling/disposal issues and Cal/OSHA work requirements that must be followed. Contractors are responsible for segregating and characterizing waste streams prior to disposal.

With respect to potential worker exposure, notification, and registration requirements, Cal/OSHA defines asbestos-containing construction material (ACCM) as construction material that contains more than 0.1% asbestos (Title 8, CCR 341.6).

2.2 Architectural Drawings and Previous Survey Activities

We reviewed bridge architectural plans provided by Caltrans prior to field activities. We observed no evidence of asbestos use on the architectural plans provided. Previous survey reports were not available for our review.

3.0 SCOPE OF SERVICES

Mr. David Watts, a California-Certified Asbestos Consultant (CAC), certification No. 98-2404 (expiration September 16, 2008), performed the asbestos survey at the project bridge locations on December 11, 2007.

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. A total of eight bulk asbestos samples of suspect materials were collected.

Our procedures for inspection and sampling in accordance with TO-8 are discussed below:

- Collected bulk asbestos samples after first wetting friable 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 EMSL Analytical, Inc., a California-licensed and Caltrans-approved subcontractor, for asbestos analysis in accordance with United States Environmental Protection Agency (EPA) Test Method 600/R-93/116 using polarized light microscopy (PLM) under chain-of-custody protocol. EMSL Analytical, Inc. 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 requested on a 10-workday turn-around-time.

Sample group identification numbers, material descriptions, approximate quantities, friability assessments, and photo references are summarized on Table 1. Approximate sample locations are presented on the Site Plan, Figure 2. Materials represented by the samples collected are shown in the attached photographs.

4.0 INVESTIGATIVE RESULTS

A summary of the analytical laboratory test results for asbestos is presented on Table 1. The laboratory analyses indicated the following:

Chrysotile asbestos at a concentration of 80% was detected in a sample representing nonfriable asbestos sheet packing used as barrier rail shims on Bridge 24-0193L/R.

Chrysotile asbestos at a concentration of 80% was detected in a sample representing nonfriable asbestos sheet packing used as barrier rail shims on Bridge 24-0205L/R.

Chrysotile asbestos at a concentration of 80% was detected in a sample representing nonfriable asbestos sheet packing used as barrier rail shims on Bridge 24-0203L/R.

Chrysotile asbestos at a concentration of 80% was detected in a sample representing nonfriable asbestos sheet packing used as barrier rail shims on Bridge 24-0218L/R.

We were not able to quantify the shims on the subject bridges due to safety concerns (i.e., traffic). No asbestos was detected in samples of the remaining suspect materials collected.

5.0 RECOMMENDATIONS

NESHAP regulations do not require that asbestos-containing sheet packing (a Category I nonfriable/nonhazardous material) identified during our survey be removed prior to demolition or treated as hazardous waste. However, the disturbance of these materials is still covered by the Cal/OSHA asbestos standard. We recommend that a licensed demolition contractor registered with Cal/OSHA for asbestos-related work (or a licensed and certified asbestos abatement contractor) perform demolition activities if the asbestos-containing materials identified during our survey are left in-place during demolition. Contractors are responsible for segregating and characterizing waste streams prior to disposal. Contractors are responsible for informing the landfill of the contractor's intent to dispose of asbestos-containing waste.

Geocon also recommends the notification of contractors (that will be conducting renovation, demolition, or related activities) of the presence of asbestos in their areas (i.e., provide the contractor[s] with a copy of this report and a list of asbestos removed by asbestos abatement contractor[s] during subsequent abatement activities). Contractors should be instructed not to disturb asbestos during their work.

In accordance with Sacramento Metropolitan Air Quality Management District (SMAQMD) Rule 902, written notification to SMAQMD is required ten working days prior to commencement of *any* demolition activity (whether asbestos is present or not) and for renovation activities involving specified quantities of RACM. In accordance with Title 8, CCR 341.9, written notification to the nearest Cal/OSHA district office is required at least 24 hours prior to certain asbestos-related work.

6.0 REPORT LIMITATIONS

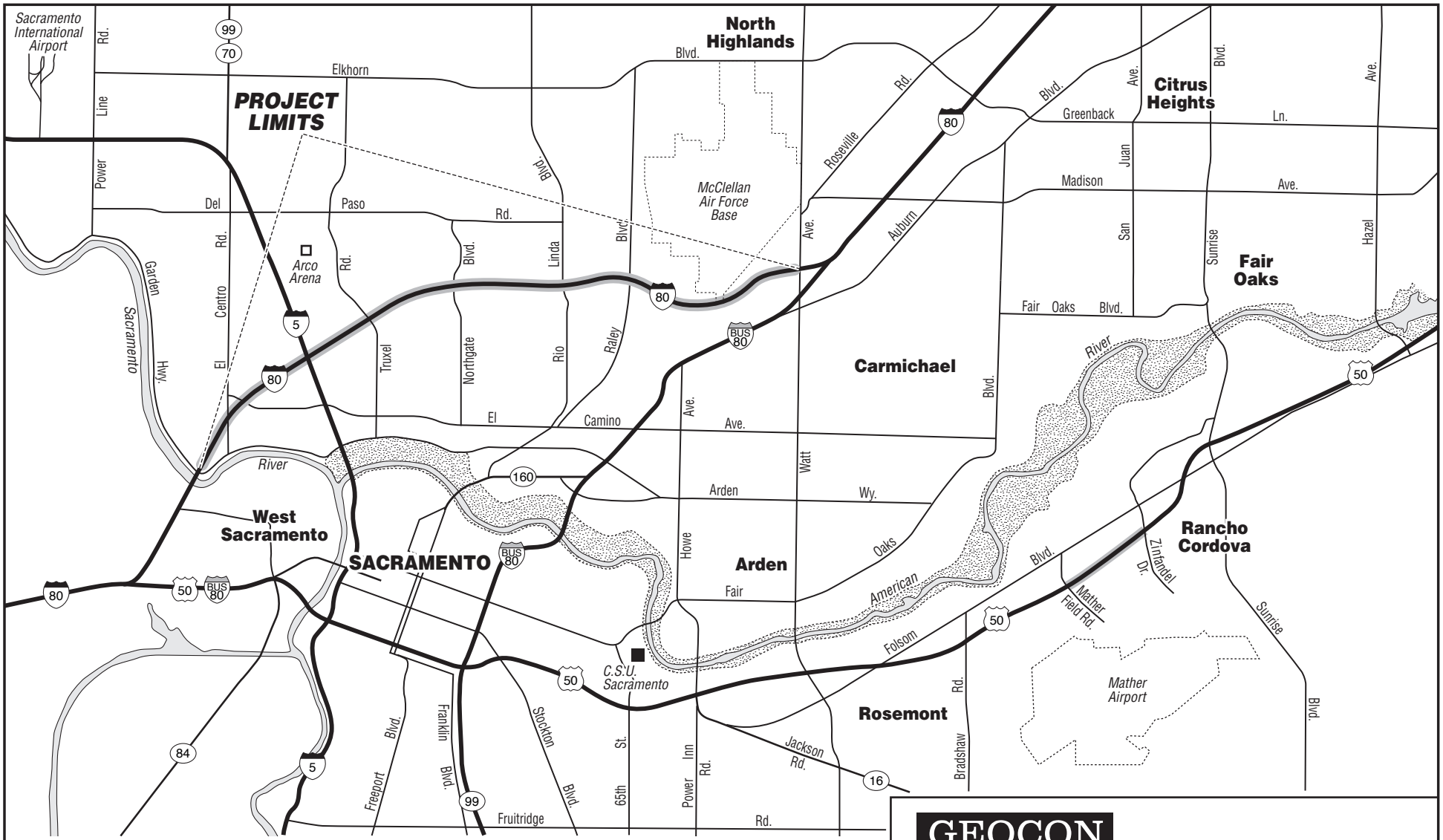
This asbestos survey was conducted in conformance with generally accepted standards of practice for identifying and evaluating asbestos in structures. The survey addressed only the structures identified in Section 1.1. Due to the nature of structure surveys, asbestos use, and laboratory analytical limitations, some ACM at the project location may not have been identified. Spaces such as cavities, voids, crawlspaces, and pipe chases, may have been concealed to Geocon's investigator. Previous renovation work may have concealed or covered spaces or materials, or may have partially demolished materials and left debris in inaccessible areas. Additionally, renovation activities may have partially replaced ACM with indistinguishable non-ACM. Asbestos may exist in areas of the structures that were not accessible or sampled in conjunction with this TO.

During renovation or demolition operations, suspect materials may be uncovered which are different from those accessible for sampling during this assessment. Personnel in charge of renovation/demolition should be alerted to note materials uncovered during such activities that differ substantially from those included in this or previous assessment reports. If suspect ACM are found, additional sampling and analysis should be performed to determine if the materials contain asbestos.

This report has been prepared exclusively for Caltrans. The information contained herein is only valid as of the date of the report, and will require an update to reflect additional information obtained.

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 be deemed conclusive with respect to only the information obtained. We make no warranty, express or implied, with respect to the content of this report or any subsequent reports, correspondence or consultation. 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.

The contents of this report reflect the views of the author who is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the State of California or the Federal Highway Administration. This report does not constitute a standard, specification, or regulation.



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3160 GOLD VALLEY DR. – SUITE 800 - RANCHO CORDOVA, CA. 95742
PHONE 916 852-9118 – FAX 916 852-9132

Interstate 80 Bridges

Sacramento County, California

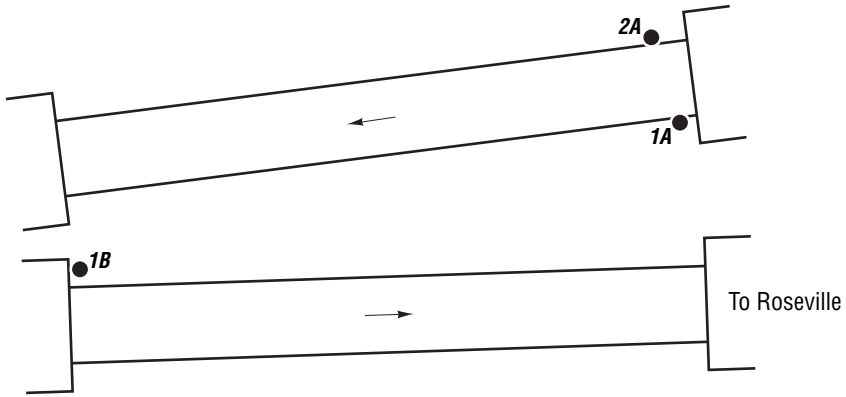
GEOCON Proj. No. S9300-06-08

Task Order No. 08

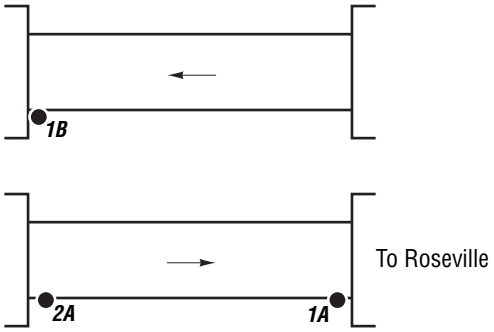
VICINITY MAP

March 2008

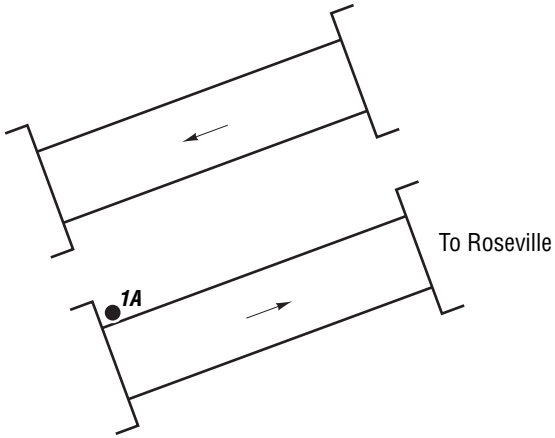
Figure 1



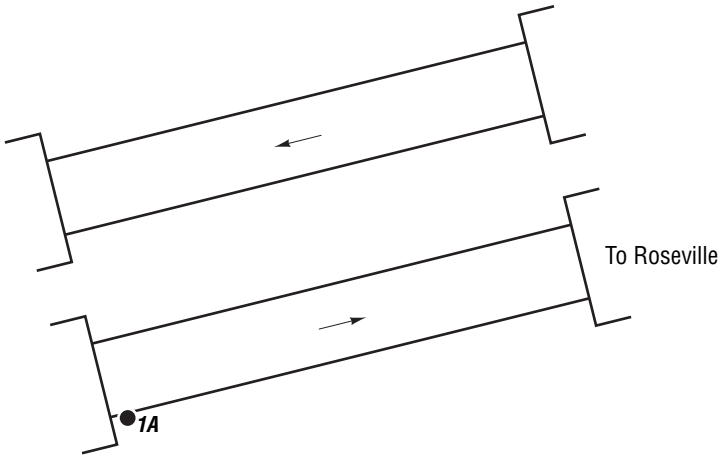
BRIDGE 24-0193L/R



BRIDGE 24-0205L/R



BRIDGE 24-0203L/R



BRIDGE 24-0218L/R

LEGEND:

- Approximate Asbestos Sample Location

NO SCALE

GEOCON
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Interstate 80 Bridges		
Sacramento County, California	**SITE PLAN**	
GEOCON Proj. No. S9300-06-08		
Task Order No. 08	March 2008	Figure 2

TABLE 1
SUMMARY OF ASBESTOS RESULTS
INTERSTATE 80 BRIDGES
CALTRANS CONTRACT 03A1368, TASK ORDER NO. 08, EA 03-379700
SACRAMENTO COUNTY, CALIFORNIA

Polarized Light Microscopy (PLM) - EPA Test Method 600/R-93/116

Bridge	Sample Group	Description of Material	Approximate Quantity	Friable	Site Photos	Asbestos Concentration
24-0193L/R	0193L/R-1	Expansion joint material	NA	NA	2	ND
	0193L/R-2	**Barrier rail shims**	**Unable to safely quantify**	**No**	**4**	**80%**
24-0205L/R	0205L/R-1	Expansion joint material	NA	NA	8	ND
	0205L/R-2	**Barrier rail shims**	**Unable to safely quantify**	**No**	**7**	**80%**
24-0203L/R	**0203L/R-1**	**Barrier rail shims**	**Unable to safely quantify**	**No**	**11**	**80%**
24-0218L/R	**0218L/R-1**	**Barrier rail shims**	**Unable to safely quantify**	**No**	**15**	**80%**

Notes:

NA = Not applicable (no asbestos detected)

ND = Not detected

APPENDIX A

EMSL Analytical, Inc
2235 Polvorosa Ave , Suite 230, San Leandro, CA 94577
Phone: (510) 895-3675 Fax: (510) 895-3680 Email: milpitaslab@emsl.com

Attn: **David Watts**
Geocon Consultants
6671 Brisa Street
Livermore, CA 94550

Fax: (925) 371-5915 Phone: (925) 371-5900
Project: **S9300-06-08, SR80-SAC, Sacramento County, CA**

Customer ID:	GECN21
Customer PO:	S9300-0608
Received:	12/12/07 3:29 PM
EMSL Order:	090707253
EMSL Proj:	S9300-06-**
Analysis Date:	12/26/2007
Report Date:	12/28/2007

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Location**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
0193L/R1A, EJM *090707253-0001*		Brown Fibrous Homogeneous	90%	Cellulose	10%	Non-fibrous (other)	**None Detected**
0193L/R1B, EJM *090707253-0002*		Brown Fibrous Homogeneous	90%	Cellulose	10%	Non-fibrous (other)	**None Detected**
0193L/R2A, Sheet packing, shims *090707253-0003*		Gray Fibrous Homogeneous			20%	Non-fibrous (other)	**80% Chrysotile**
0205L/R1A, EJM *090707253-0004*		Brown Fibrous Homogeneous	90%	Cellulose	10%	Non-fibrous (other)	**None Detected**
0205L/R1B, EJM *090707253-0005*		Brown Fibrous Homogeneous	90%	Cellulose	10%	Non-fibrous (other)	**None Detected**
0205L/R2A, Sheet packing, shims *090707253-0006*		Gray Fibrous Homogeneous			20%	Non-fibrous (other)	**80% Chrysotile**
0203L/R1A, Sheet packing, shims *090707253-0007*		Gray Fibrous Homogeneous			20%	Non-fibrous (other)	**80% Chrysotile**

Analyst(s)

Rui Cindy Geng (7)

Baojia Ke, Laboratory Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.Samples received in good condition unless otherwise noted.

Analysis performed by EMSL San Leandro (NVLAP #101048-3)

EMSL Analytical, Inc
2235 Polvorosa Ave , Suite 230, San Leandro, CA 94577
Phone: (510) 895-3675 Fax: (510) 895-3680 Email: milpitaslab@emsl.com

Attn: **David Watts**
Geocon Consultants
6671 Brisa Street
Livermore, CA 94550

Fax: (925) 371-5915 Phone: (925) 371-5900
Project: **S9300-06-08, SR80-SAC, Sacramento County, CA**

Customer ID:	GECN21
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EMSL Order:	090707253
EMSL Proj:	S9300-06-**
Analysis Date:	12/26/2007
Report Date:	12/28/2007

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Location**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
0218L/R1A, Sheet packing, shims *090707253-0008*		Gray Fibrous Homogeneous		20% Non-fibrous (other)	**80% Chrysotile**

Analyst(s)

Rui Cindy Geng (7)

Baojia Ke, Laboratory Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.Samples received in good condition unless otherwise noted.
Analysis performed by EMSL San Leandro (NVLAP #101048-3)

THIS IS THE LAST PAGE OF THE REPORT.

90707253

Chain of Custody Form

Analyze sample sets until positive: ☐ Yes ☑ No

Project No.: 59300-06-08
Client Name: GEOCON
Analytical Fee (per sample): $ Rm
Date(s) Inspected: 11 DEC 2007
Report Results to: D. WATTS
Office Location: LIVERMORE, CA
Other Comments: 2-WK TAT
Consultants Ph. #: (925) 371-5900
Consultants Fax #: (925) 371-5915
Site Address: SACRAMENTO COUNTY, CA
Site Name: SR 80 - SAC
Building No.

Material Code	Sample Number: Site No.	~~Bldg. No.~~	Material Link No.	Samples Collected A	B	C	D	E	F	G	H	I	J	K	Not Sampled	Material Description
		01 9 3L/R	1	X	X											EJM
		↓	2	X												SHEET PACKING (SHIMS)
		02 0 5L/R	1	X	X											EJM
		↓	2	X												SHEET PACKING (SHIMS)
		02 0 3L/R	1	X												" " "
		02 1 8L/R	1	X												" " "

Relinquished by: Print Name: D. WATTS Signature: Date/Time: 11 DEC 2007 1530
Received by: Print Name: UPS Signature: Date/Time: 11 DEC 2007 1530

Relinquished by: Print Name: Signature: Date/Time:
Received by: Print Name: Leechelle Astrolabio Signature: Date/Time: 12/12/07 10am

Flooring
CFT = Ceramic floor tile grout/mastic (M)
F = Floor material-Generic(M)
FMAS = Floor mastic(M)
FT = Vinyl composite tile floor (M)
FS = Vinyl composite sheet floor (M)
FLC = Floor leveling compound (M)
TERR = Terrazzo flooring (M)

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)

Piping/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

GEOCON
CONSULTANTS, INC.
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS

Project No. S9300-06-165
May 31, 2011

Mr. Rajive Chadha
California Department of Transportation – District 3
Environmental Engineering Office
703 B Street
Marysville, California 95901

Subject: TRANSMITTAL OF SOIL pH RESULTS
INTERSTATE 80 ACROSS THE TOP PROJECT
SACRAMENTO, CALIFORNIA
CONTRACT NO. 03A1368, EA 03-3797U1

Dear Mr. Chadha:

In accordance with California Department of Transportation (Caltrans) Contract No. 03A1368 and Expense Authorization (EA) No. 03-3797U1, Geocon Consultants, Inc. has coordinated with Caltrans to present results of pH analysis from soil samples collected along Interstate 80 (I-80) between the Sacramento River Bridge and Winters Street in Sacramento County, California. Lime treatment of the roadway subgrade soil material was previously performed within the project limits. The purpose of this project was to evaluate the pH levels for lime-treated soil within the project limits for construction worker health and safety, and soil management/disposal evaluation purposes.

FIELD ACTIVITIES

Caltrans collected soil samples from 19 locations (L1 through L19) between May 18 and May 20, 2011. Based on information provided by Caltrans, borings were advanced and samples were collected using a punch core and a flight auger. The top layer of soil samples were collected between the bottom of the cement-treated base and 18 inches below the road surface. The additional layers were collected at approximate one foot intervals below the first layer. Site Plans depicting the boring locations are attached.

The sampling equipment was decontaminated by Caltrans prior to the collection of each sample. Soil samples were placed into Ziploc® re-sealable plastic bags and delivered to Geocon under chain-of-custody (COC) documentation. Geocon subsequently delivered the samples to California Laboratory Services (CLS) in Rancho Cordova, California, under COC documentation.

LABORATORY ANALYSIS

Nineteen soil samples collected from the top layer of each boring (L1-1 through L19-1) were analyzed for soil pH using Environmental Protection Agency (EPA) Test Method 9045C on expedited same-day turn-around-time (TAT). These samples were subsequently analyzed for pH using de-ionized water as extractant (DI-WET) by EPA Test Method 9045C on expedited 48-hour or 5-day TAT. Nineteen samples collected from the second layer of each boring (L1-2 through L19-2) were analyzed for soil pH using EPA Test Method 9045C on expedited 48-hour TAT. Third layer samples (L1-3 through L19-3) were held by the laboratory and not analyzed. Each of the samples was homogenized by the laboratory prior to analysis.

LABORATORY RESULTS

pH values for the 19 soil samples collected from the top layer of each boring ranged from 9.67 to 11.16 with an average value of 10.64. When analyzed following a DI-WET extraction, pH values for these 19 samples ranged from 9.72 to 11.08 with an average value of 10.60. pH values for the 19 soil samples collected from the second layer of each boring ranged from 6.92 to 10.26 with an average value of 9.01. Copies of the laboratory reports and chain-of-custody documentation are attached.

CONCLUSIONS

Results of the laboratory analysis show that pH values for each of the soil samples are less than the EPA hazardous waste threshold of 12.5. Therefore, excess soil generated at the Site can be relinquished to the contractor since it would not require disposal at a permitted landfill or solid waste disposal facility. Per Regional Water Quality Control Board California Clean Water Act requirements, if the contractor chooses to reuse the soil, it would need to be placed in an area that will not affect surface water or groundwater since pH values are greater than 8.5.

Offsite reuse or disposal of excess lime-treated soil generated from within the project limits will require proper notification of elevated pH levels. Accepting landfill facilities may require additional sampling and analysis including the collection of soil samples from stockpiled material. Class II landfill facilities typically accept soil with pH values ranging from 2.0 to 12.5. Class III landfill facilities typically accept soil with pH values ranging from 4.5 to 10.5. Specific landfill acceptance criteria or other disposal site requirements should be confirmed by the contractor prior to offsite disposal or reuse.

Standard Caltrans dust control measures (i.e. wetting the materials being disturbed) and protective clothing (gloves, boots, etc.) should adequately protect the health and safety of construction workers with respect to potential exposure to lime-treated soil.

Please contact us if there are any questions concerning the contents of this transmittal or if we may be of further service.

Sincerely,

GEOCON CONSULTANTS, INC.

Rebecca L. Silva, REA
Project Manager

John E. Juhrend, PE, CEG
Principal

REGISTERED PROFESSIONAL ENGINEER
JOHN JUHREND
No. 46681
Exp. 06/30/11
CIVIL
STATE OF CALIFORNIA

(3) Addressee

Attachments: Table 1, Summary of Soil pH Analytical Results
Site Plans
Laboratory Reports and Chain-of-custody Documentation

TABLE 1
SUMMARY OF SOIL pH ANALYTICAL RESULTS
EA 03-3797UI
INTERSTATE 80 ACROSS THE TOP PROJECT
SACRAMENTO COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	SOIL pH	DI-WET pH
L1-1	5/18/2011	9.70	9.84
L1-2		7.85	---
L1-3		---	---
L2-1	5/18/2011	10.41	10.48
L2-2		8.58	---
L2-3		---	---
L3-1	5/18/2011	10.89	10.83
L3-2		8.75	---
L3-3		---	---
L4-1	5/19/2011	10.71	10.55
L4-2		8.73	---
L4-3		---	---
L5-1	5/19/2011	10.89	10.82
L5-2		10.26	---
L5-3		---	---
L6-1	5/19/2011	10.41	10.41
L6-2		9.05	---
L6-3		---	---
L7-1	5/20/2011	10.43	10.50
L7-2		9.60	---
L7-3		---	---
L8-1	5/20/2011	10.71	10.52
L8-2		9.99	---
L8-3		---	---
L9-1	5/20/2011	11.02	10.85
L9-2		9.57	---
L9-3		---	---
L10-1	5/19/2011	10.63	10.64
L10-2		8.80	---
L10-3		---	---
L11-1	5/19/2011	10.41	10.57
L11-2		8.94	---
L11-3		---	---
L12-1	5/19/2011	10.83	10.85
L12-2		9.85	---
L12-3		---	---

TABLE 1
SUMMARY OF SOIL pH ANALYTICAL RESULTS
EA 03-3797UI
INTERSTATE 80 ACROSS THE TOP PROJECT
SACRAMENTO COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	SOIL pH	DI-WET pH
L13-1	5/19/2011	10.64	10.53
L13-2		6.92	---
L13-3		---	---
L14-1	5/20/2011	10.94	10.76
L14-2		9.80	---
L14-3		---	---
L15-1	5/20/2011	9.67	9.72
L15-2		9.07	---
L15-3		---	---
L16-1	5/20/2011	11.02	10.89
L16-2		8.94	---
L16-3		---	---
L17-1	5/20/2011	10.95	10.76
L17-2		9.02	---
L17-3		---	---
L18-1	5/20/2011	11.16	11.08
L18-2		8.68	---
L18-3		---	---
L19-1	5/20/2011	10.75	10.75
L19-2		8.76	---
L19-3		---	---

Notes:

DI-WET = Waste Extraction Test by EPA Test Method 9045C using deionized water
--- = Not analyzed

LOCATIONS
MARKED
SET

NOTES:

REFERENCE COUNTY ASSESSOR'S PARCEL MAPS AND CALTRANS RIGHT OF WAY RECORDS FOR COMPLETE RIGHT OF WAY DATA

1) AWAITING R/W ENGINEERING VERIFICATION OF EXISTING R/W

2) AWAITING ENVIRONMENTAL ENGINEERING VERIFICATION OF PRELIMINARY SOUNDWALL LOCATIONS AND LIMITS

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

ESL
REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

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LEGEND
- ENVIROMENTAL STUDY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED SOUNDWALL LOCATION
- PROPOSED RETAINING WALL LOCATION
- TEMPORARY CONSTRUCTION EASEMENT

PRELIMINARY
SUBJECT TO REVISION
01-19-06

L-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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DGN FILE => 1-03.dgn

CU 03240

EA 379700

L.GIL.BERSON
DATE PLOTTED => 19-JAN-2006
01-19-06 TIME PLOTTED => 14:19

NOTES:

REFERENCE COUNTY ASSESSOR'S PARCEL MAPS AND CALTRANS RIGHT OF WAY RECORDS FOR COMPLETE RIGHT OF WAY DATA

1) AWAITING R/W ENGINEERING VERIFICATION OF EXISTING R/W

2) AWAITING ENVIRONMENTAL ENGINEERING VERIFICATION OF PRELIMINARY SOUNDWALL LOCATIONS AND LIMITS

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

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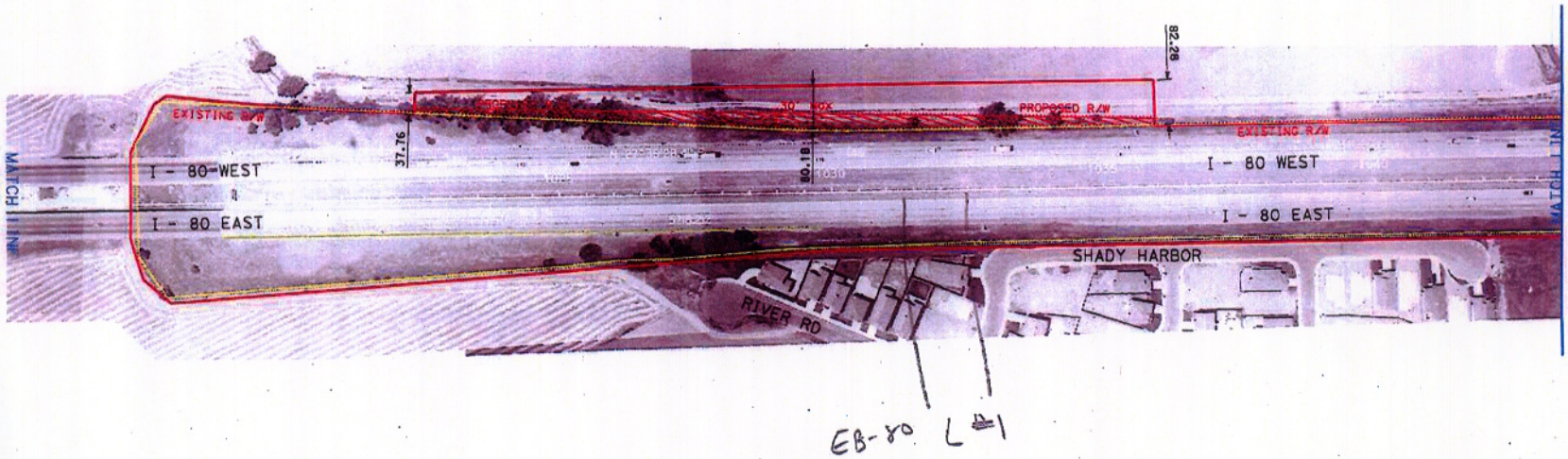

EB-80 L-1

LEGEND

- ENVIROMENTAL STUDY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED SOUNDWALL LOCATION
- PROPOSED RETAINING WALL LOCATION
- TEMPORARY CONSTRUCTION EASEMENT

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DGN FILE

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EA 370700

NOTES:

REFERENCE COUNTY ASSESSOR'S PARCEL MAPS AND CALTRANS RIGHT OF WAY RECORDS FOR COMPLETE RIGHT OF WAY DATA

1) AWAITING R/W ENGINEERING VERIFICATION OF EXISTING R/W

2) AWAITING ENVIRONMENTAL ENGINEERING VERIFICATION OF PRELIMINARY SOUNDWALL LOCATIONS AND LIMITS

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

ESL

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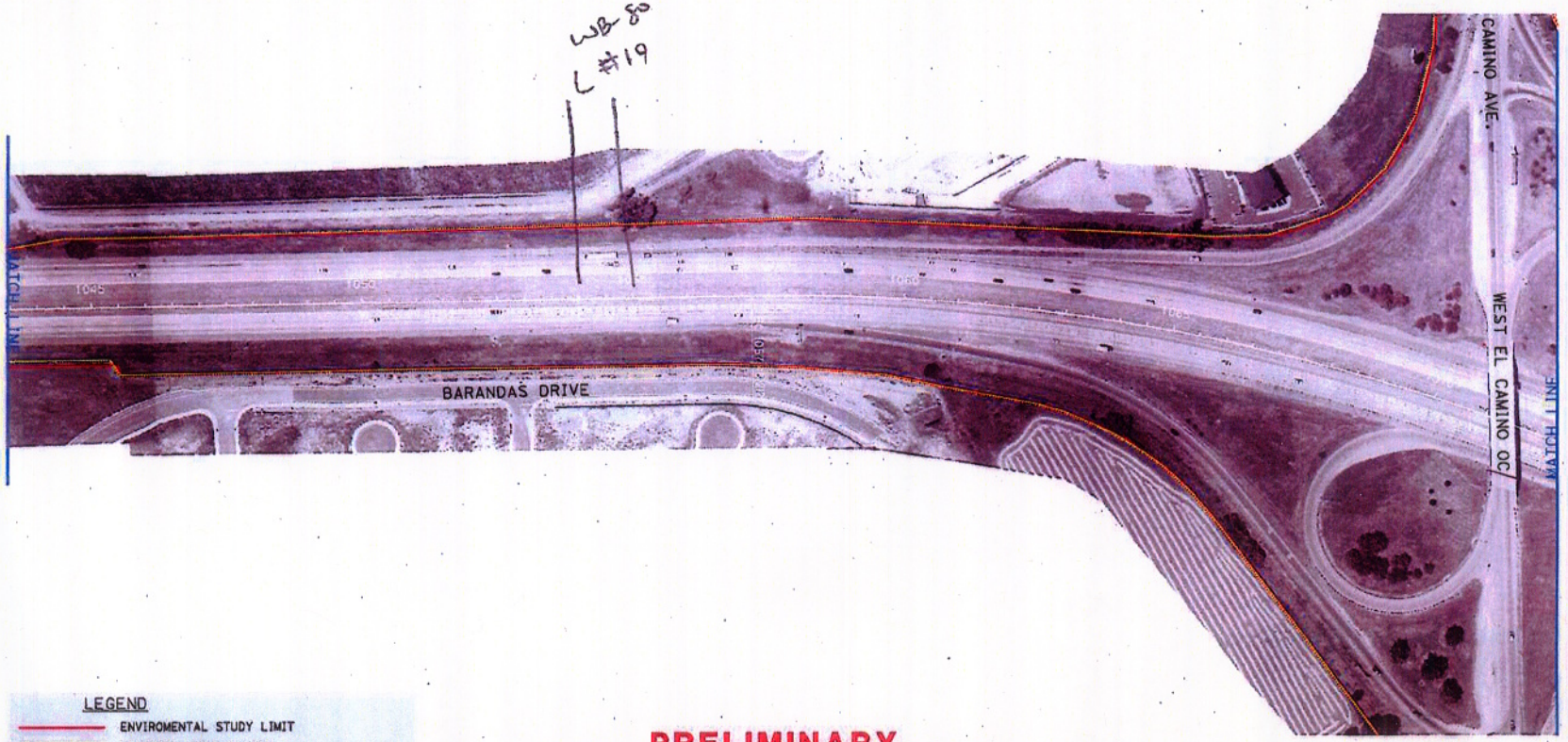

LEGEND

- ENVIROMENTAL STUDY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED SOUNDWALL LOCATION
- PROPOSED RETAINING WALL LOCATION
- TEMPORARY CONSTRUCTION EASEMENT

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EA 379700

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NOTES:

REFERENCE COUNTY ASSESSOR'S PARCEL MAPS AND CALTRANS RIGHT OF WAY RECORDS FOR COMPLETE RIGHT OF WAY DATA

1) AWAITING R/W ENGINEERING VERIFICATION OF EXISTING R/W

2) AWAITING ENVIRONMENTAL ENGINEERING VERIFICATION OF PRELIMINARY SOUNDWALL LOCATIONS AND LIMITS

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

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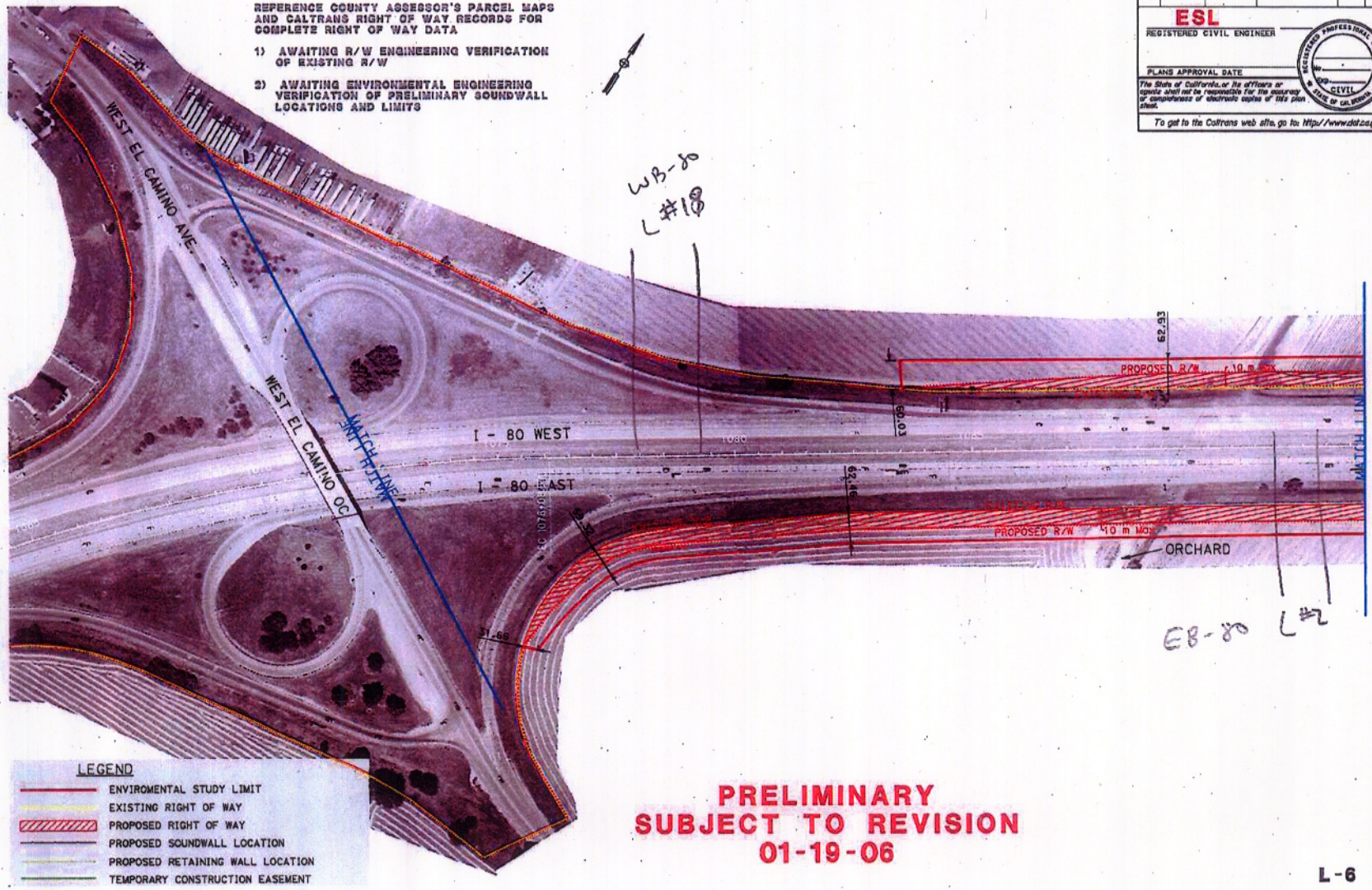

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CU 03240

EA 379700

NOTES:

REFERENCE COUNTY ASSESSOR'S PARCEL MAPS AND CALTRANS RIGHT OF WAY RECORDS FOR COMPLETE RIGHT OF WAY DATA

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

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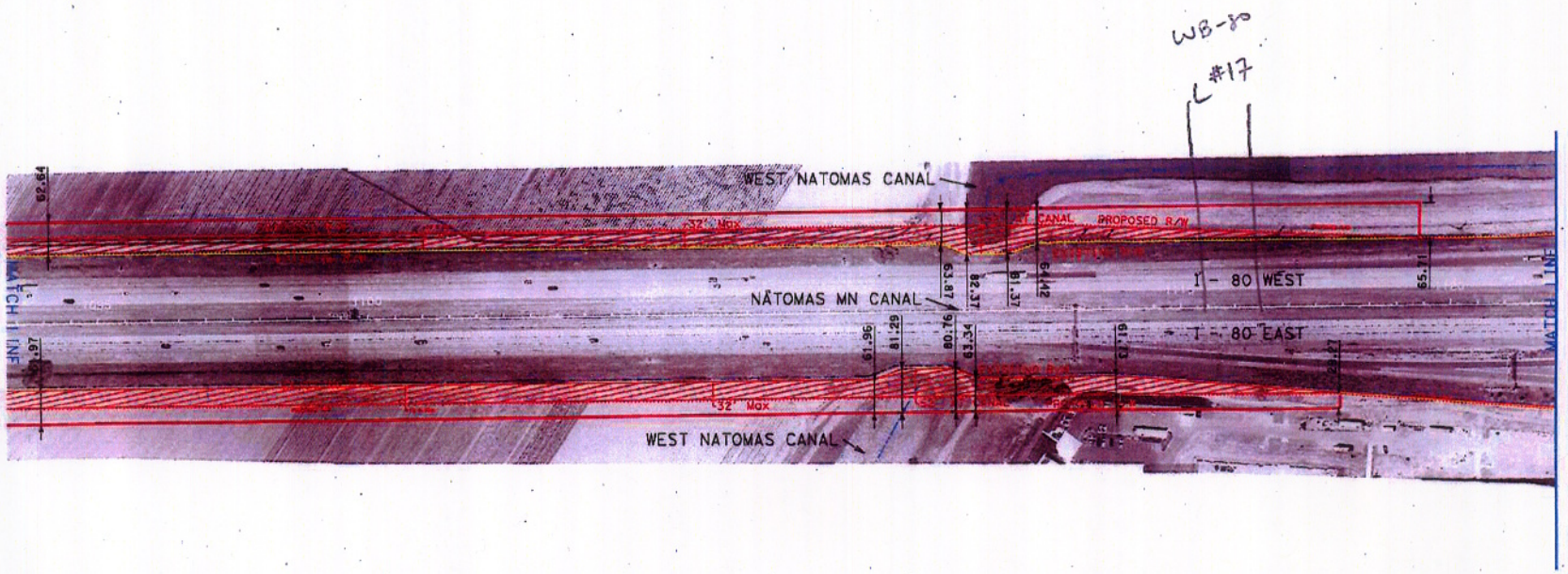

LEGEND

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- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED SOUNDWALL LOCATION
- PROPOSED RETAINING WALL LOCATION
- TEMPORARY CONSTRUCTION EASEMENT

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NOTES:

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1) AWAITING R/W ENGINEERING VERIFICATION OF EXISTING R/W

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

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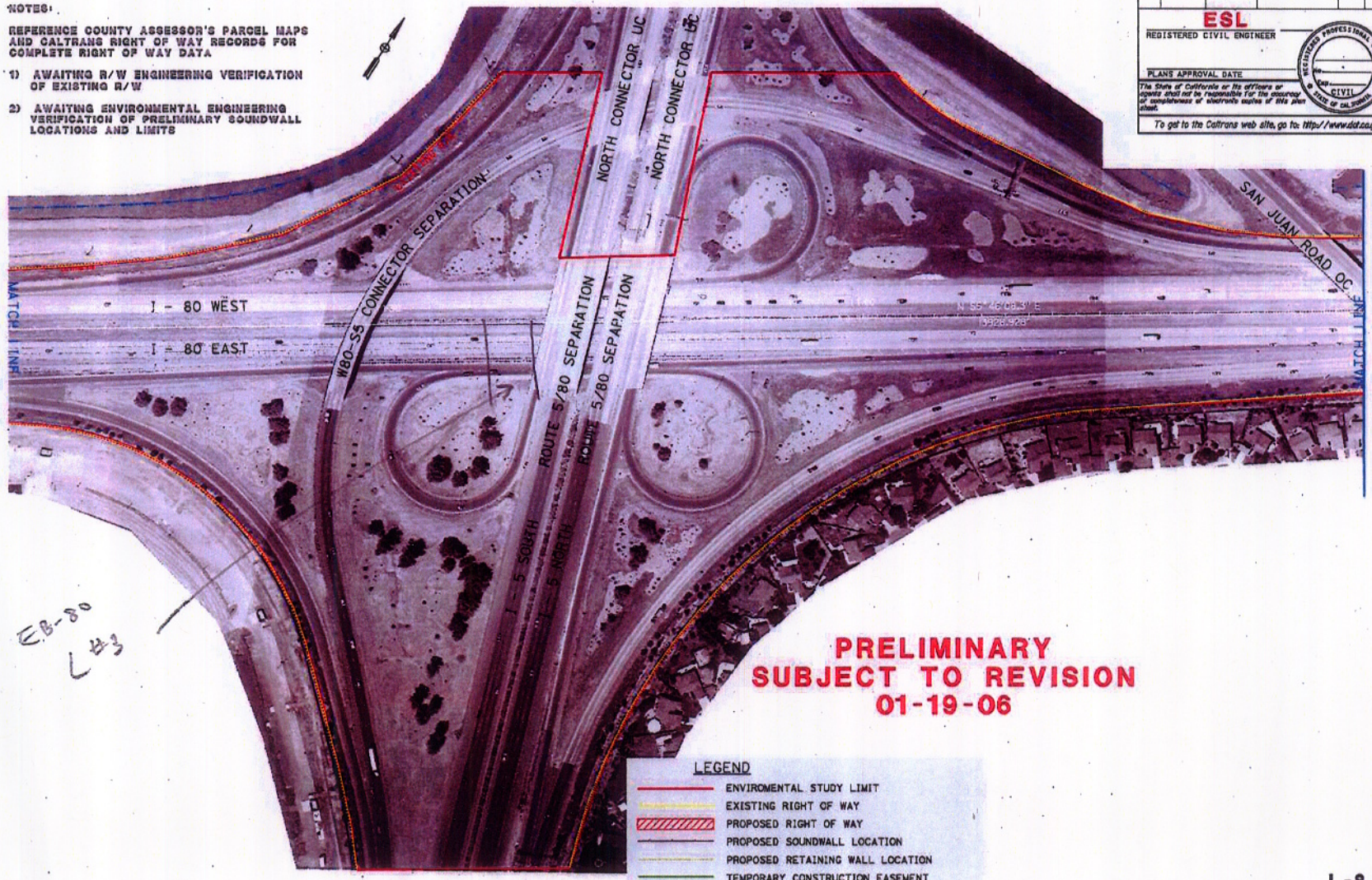

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- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED SOUNDWALL LOCATION
- PROPOSED RETAINING WALL LOCATION
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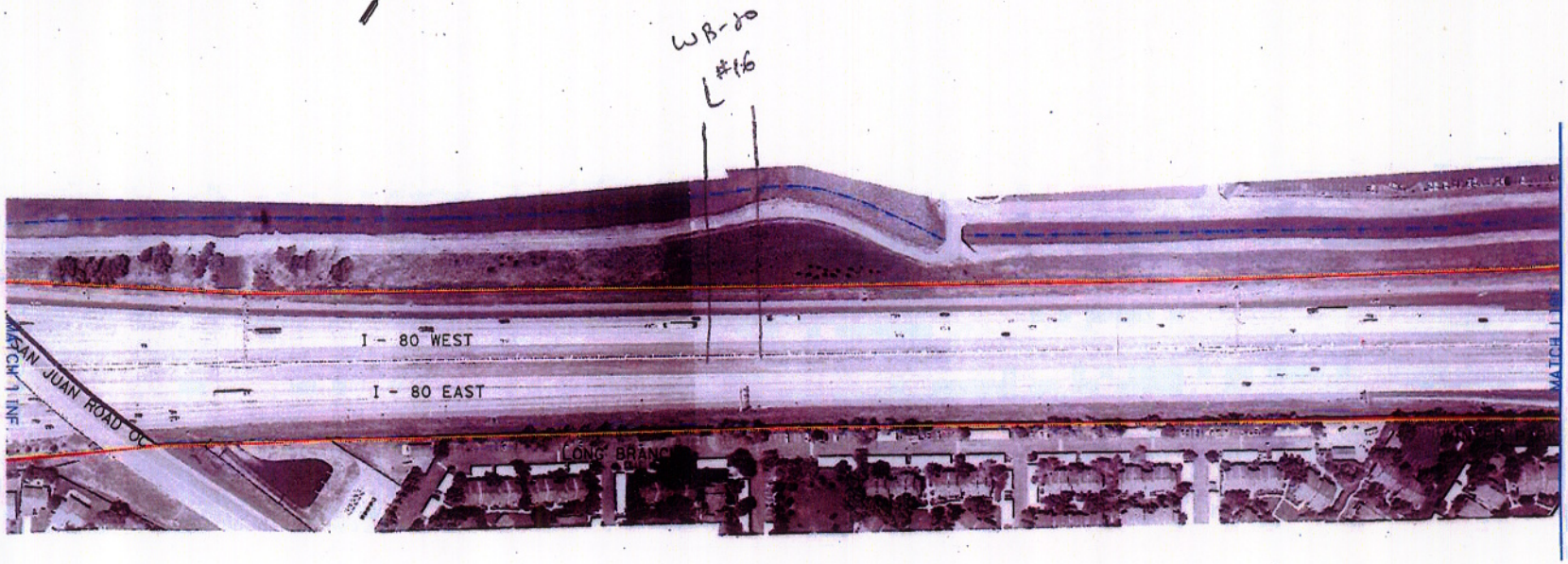
1) AWAITING R/W ENGINEERING VERIFICATION OF EXISTING R/W

2) AWAITING ENVIRONMENTAL ENGINEERING VERIFICATION OF PRELIMINARY SOUNDWALL LOCATIONS AND LIMITS



LEGEND

- ENVIROMENTAL STUDY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
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CU 03240

EA 379700

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TIME PLOTTED => 14:35
01-19-06

NOTES:

REFERENCE COUNTY ASSESSOR'S PARCEL MAPS AND CALTRANS RIGHT OF WAY RECORDS FOR COMPLETE RIGHT OF WAY DATA

1) AWAITING R/W ENGINEERING VERIFICATION OF EXISTING R/W

2) AWAITING ENVIRONMENTAL ENGINEERING VERIFICATION OF PRELIMINARY SOUNDWALL LOCATIONS AND LIMITS

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

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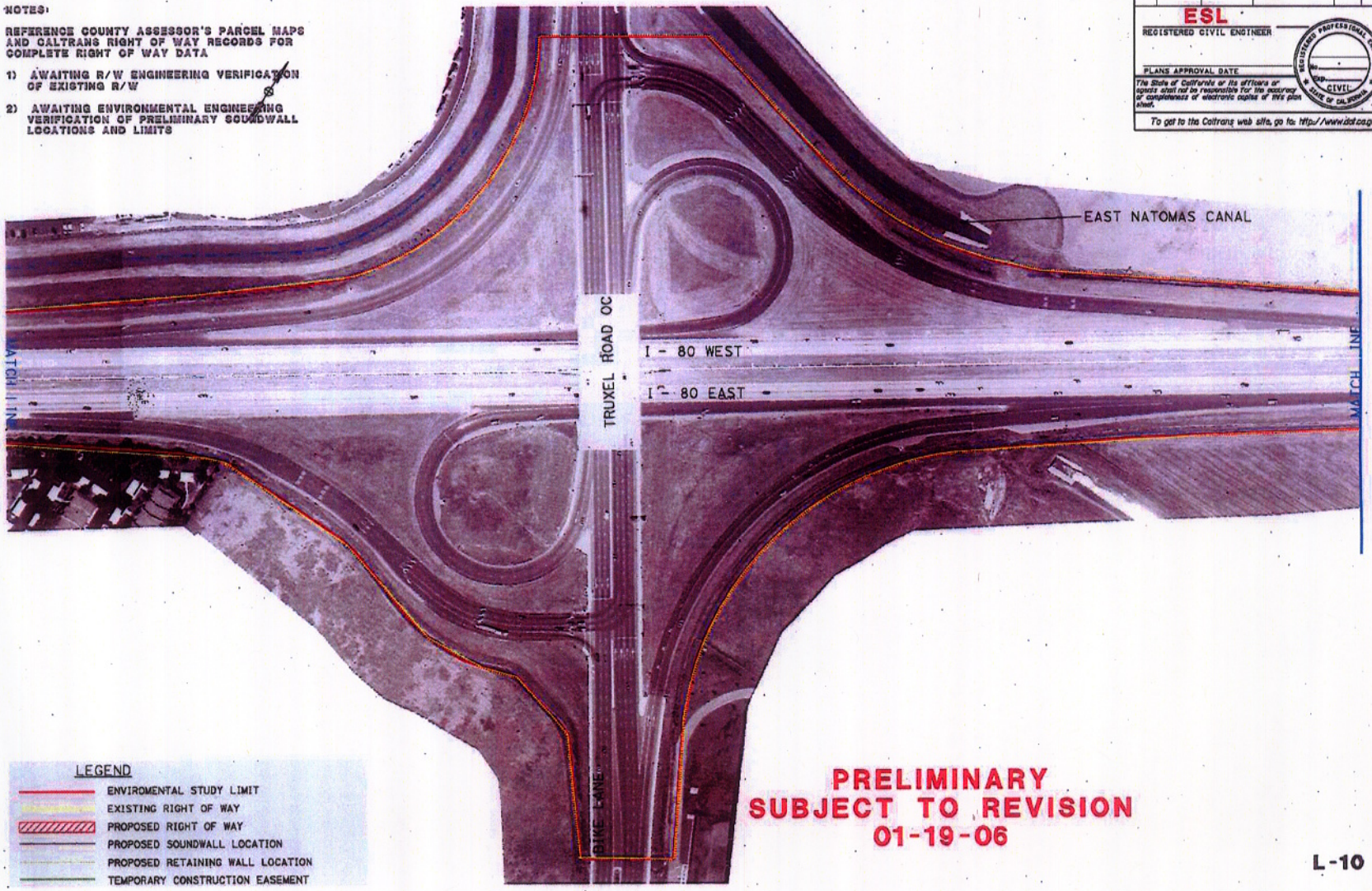

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DGN FILE => 1-10.dgn

CU 03240

EA 379700

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01-19-06 TIME PLOTTED => 14:17

NOTES:

REFERENCE COUNTY ASSESSOR'S PARCEL MAPS AND CALTRANS RIGHT OF WAY RECORDS FOR COMPLETE RIGHT OF WAY DATA

1) AWAITING R/W ENGINEERING VERIFICATION OF EXISTING R/W

2) AWAITING ENVIRONMENTAL ENGINEERING VERIFICATION OF PRELIMINARY SOUNDWALL LOCATIONS AND LIMITS

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

ESL

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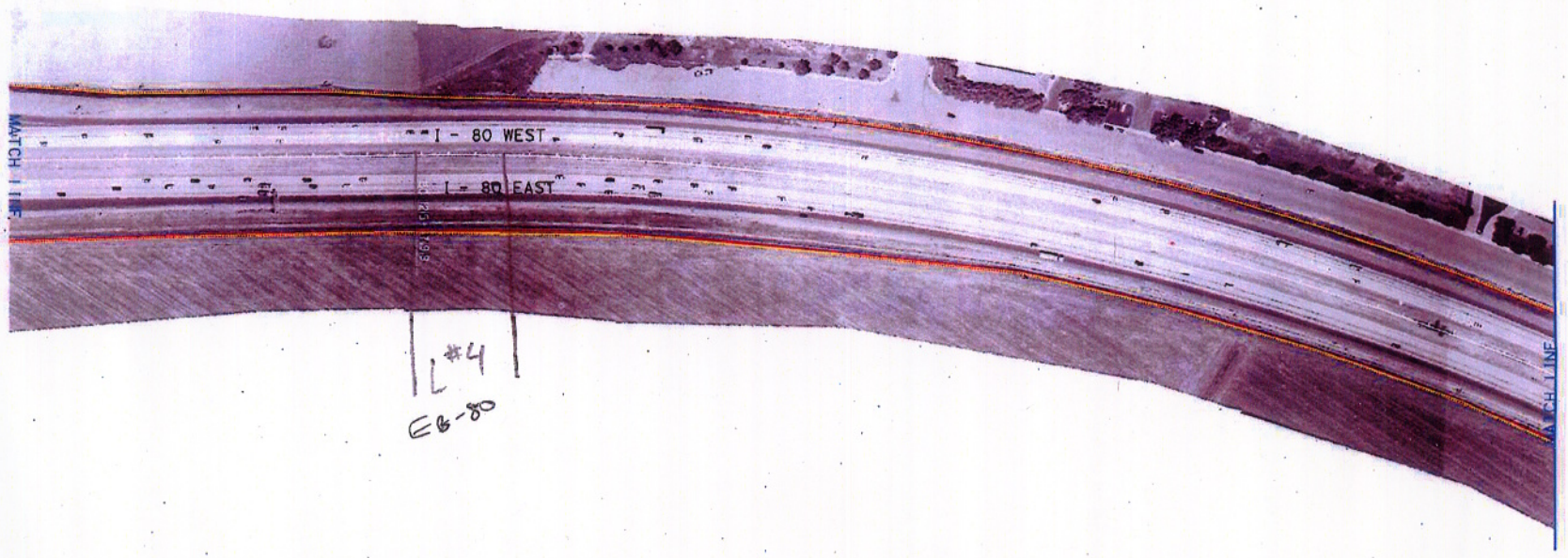

LEGEND

- ENVIROMENTAL STUDY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED SOUNDWALL LOCATION
- PROPOSED RETAINING WALL LOCATION
- TEMPORARY CONSTRUCTION EASEMENT

PRELIMINARY
SUBJECT TO REVISION
01-19-06

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DATE REVISED

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME =>s121739
DGN FILE =>1-11.dgn

CU 03240

EA 379700

LAST REVISION 01-19-06

DATE PLOTTED => 19-JAN-2006
TIME PLOTTED => 14:38

NOTES:

REFERENCE COUNTY ASSESSOR'S PARCEL MAPS AND CALTRANS RIGHT OF WAY RECORDS FOR COMPLETE RIGHT OF WAY DATA

1) AWAITING R/W ENGINEERING VERIFICATION OF EXISTING R/W

2) AWAITING ENVIRONMENTAL ENGINEERING VERIFICATION OF PRELIMINARY SOUNDWALL LOCATIONS AND LIMITS

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

ESL

REGISTERED CIVIL ENGINEER

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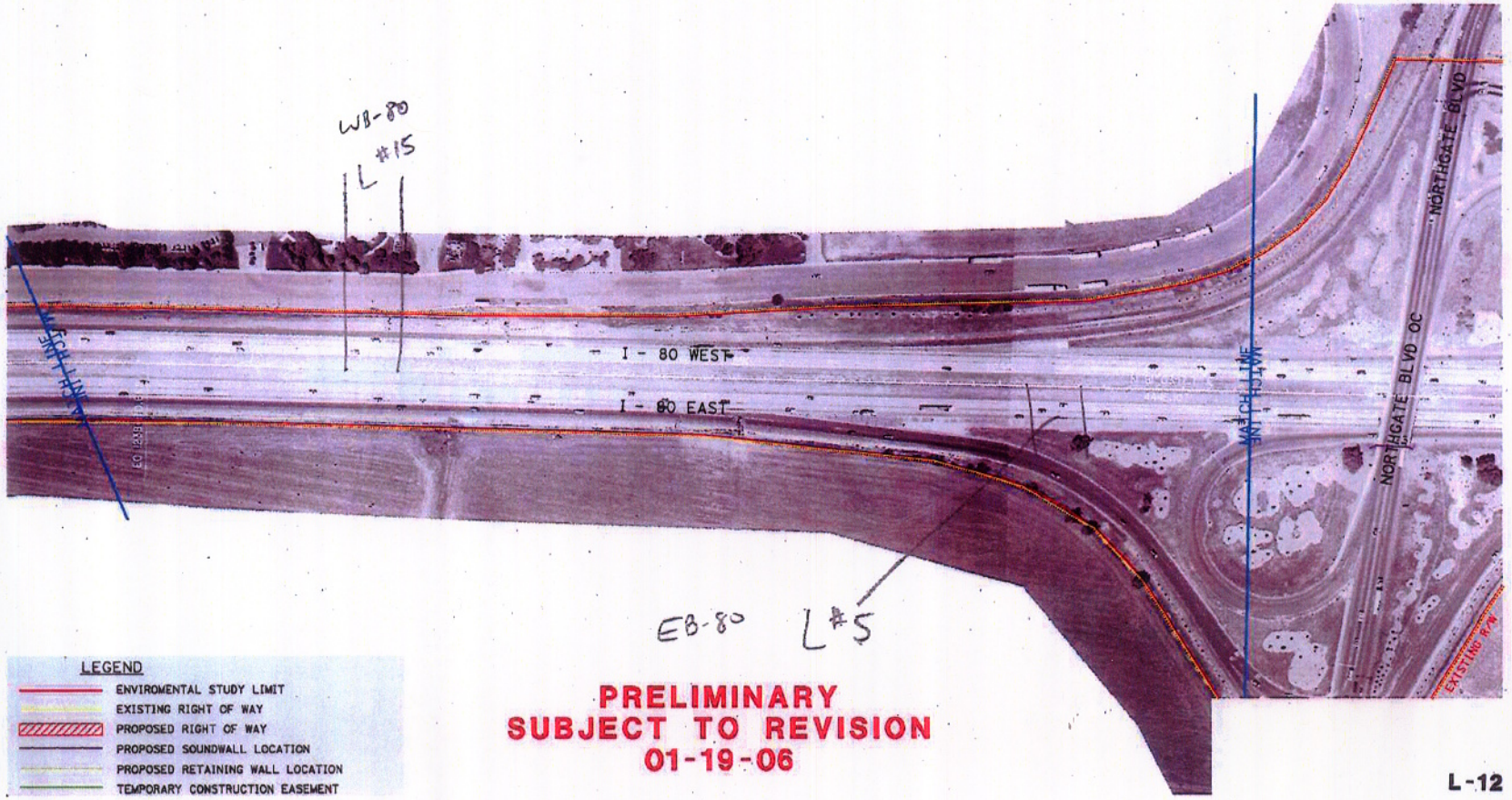

LEGEND

- ENVIROMENTAL STUDY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED SOUNDWALL LOCATION
- PROPOSED RETAINING WALL LOCATION
- TEMPORARY CONSTRUCTION EASEMENT

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SUBJECT TO REVISION
01-19-06

L-12

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USERNAME => s121739
DGN FILE => l-12.dgn

CU 03240

EA 379700

LAST REVISION 01-19-06

DATE PLOTTED => 19-JAN-2006
TIME PLOTTED => 14:39

NOTES:

REFERENCE COUNTY ASSESSOR'S PARCEL MAPS AND CALTRANS RIGHT OF WAY RECORDS FOR COMPLETE RIGHT OF WAY DATA

1) AWAITING R/W ENGINEERING VERIFICATION OF EXISTING R/W

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

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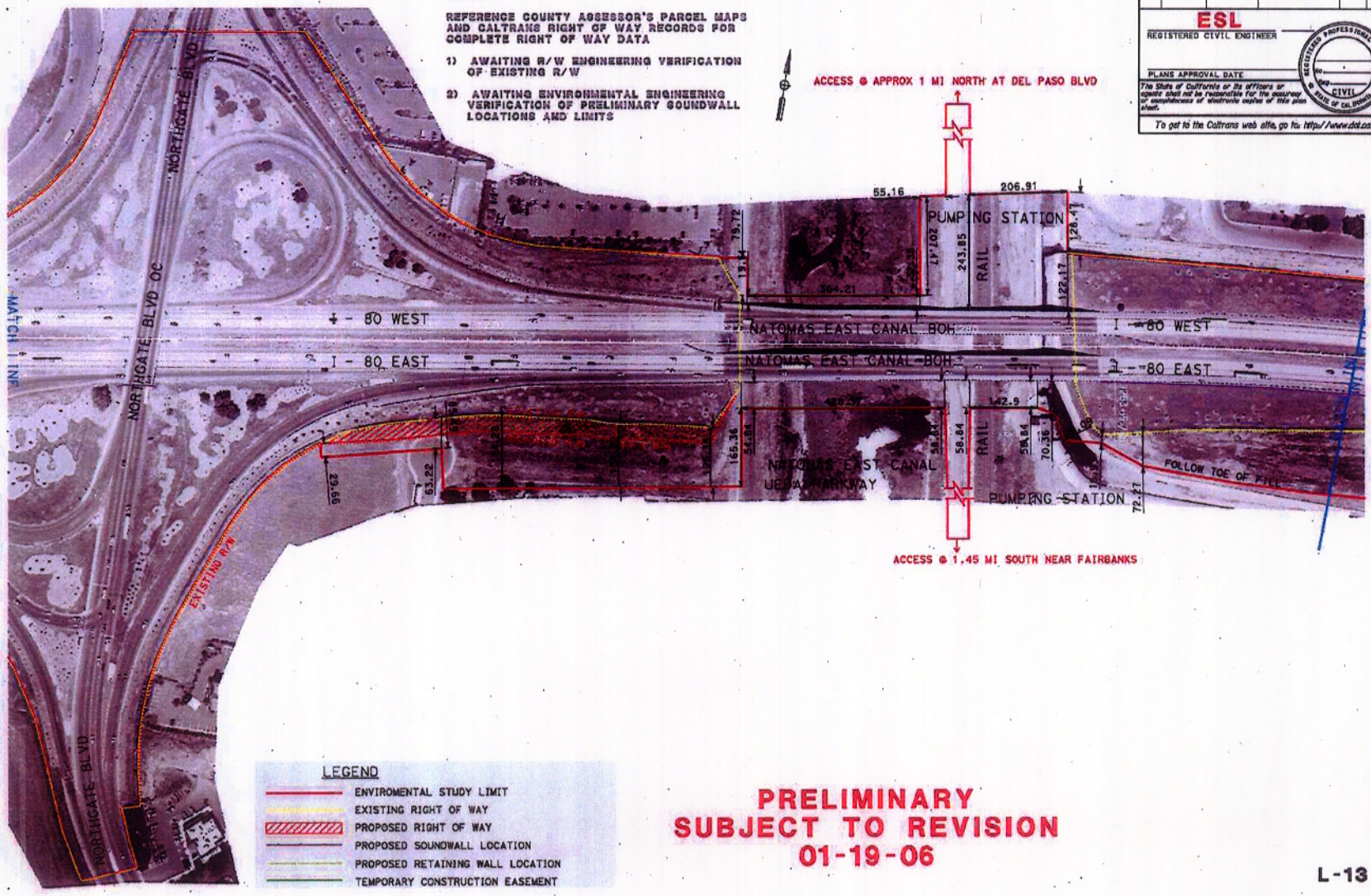

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RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

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DGN FILE => 1-13.dgn

CU 03240

EA 379700

LAST REVISION DATE PLOTTED => 19-JAN-2006
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NOTES:

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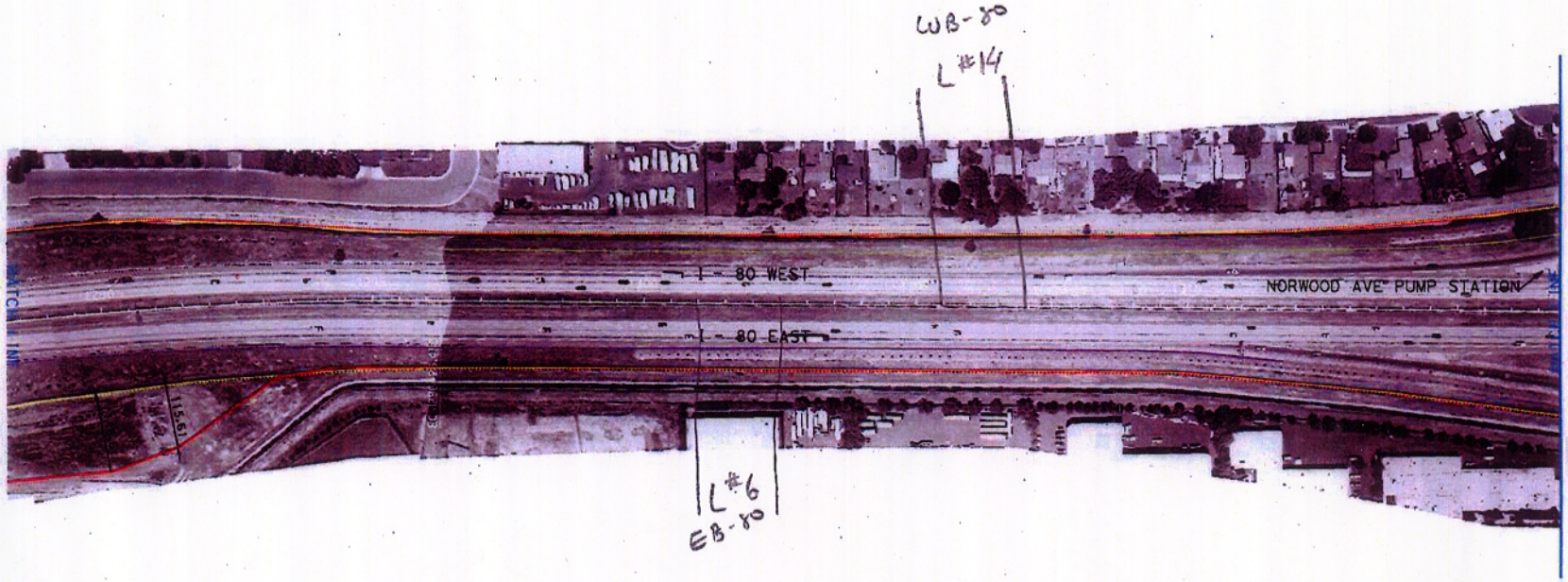

LEGEND

- ENVIROMENTAL STUDY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED SOUNDWALL LOCATION
- PROPOSED RETAINING WALL LOCATION
- TEMPORARY CONSTRUCTION EASEMENT

PRELIMINARY
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RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => e121735
DGN FILE => I-14.dgn

CU 03240

EA 379700

LAST REVISION 01-19-06

DATE PLOTTED => 19-JAN-2006
TIME PLOTTED => 15:41

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

ESL

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — CIVIL — STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

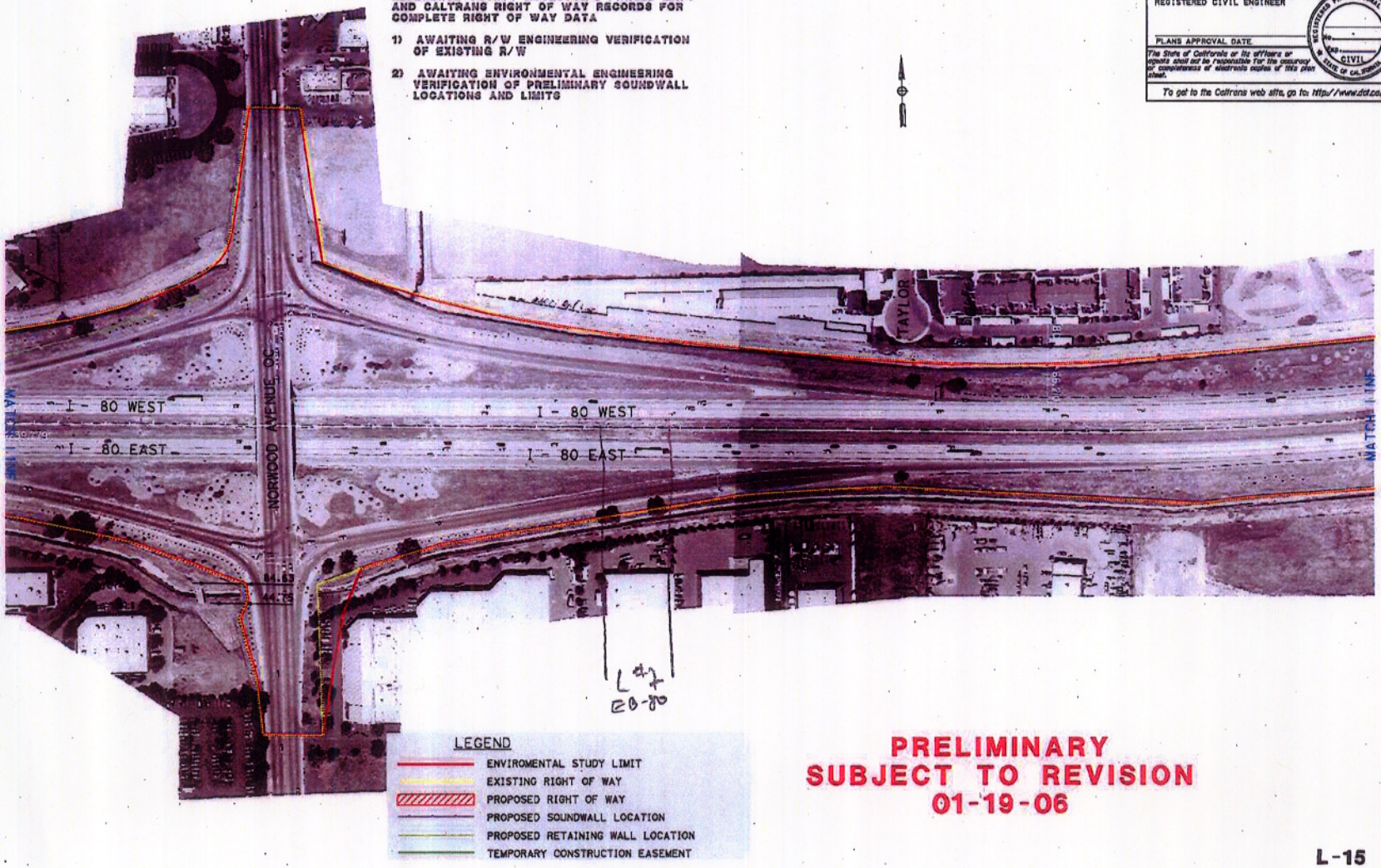
To get to the Caltrans web site, go to: http://www.dot.ca.gov

NOTES:

REFERENCE COUNTY ASSESSOR'S PARCEL MAPS AND CALTRANS RIGHT OF WAY RECORDS FOR COMPLETE RIGHT OF WAY DATA

1) AWAITING R/W ENGINEERING VERIFICATION OF EXISTING R/W

2) AWAITING ENVIRONMENTAL ENGINEERING VERIFICATION OF PRELIMINARY SOUNDWALL LOCATIONS AND LIMITS



PRELIMINARY
SUBJECT TO REVISION
01-19-06

L-15

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

DESIGN

Caltrans

PROJECT ENGINEER

CALCULATED/DESIGNED BY

CHECKED BY

DATE | REVISED BY

DATE REVISED

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME =>6121739
DGN FILE =>1-15.dgn

CU 03240

EA 379700

LAST REVISION 01-19-06

DATE PLOTTED =>19-JAN-2006
TIME PLOTTED =>14:42

NOTES:

REFERENCE COUNTY ASSESSOR'S PARCEL MAPS AND CALTRANS RIGHT OF WAY RECORDS FOR COMPLETE RIGHT OF WAY DATA

1). AWAITING R/W ENGINEERING VERIFICATION OF EXISTING R/W

2) AWAITING ENVIRONMENTAL ENGINEERING VERIFICATION OF PRELIMINARY SOUNDWALL LOCATIONS AND LIMITS

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

ESL
REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — CIVIL — STATE OF CALIFORNIA

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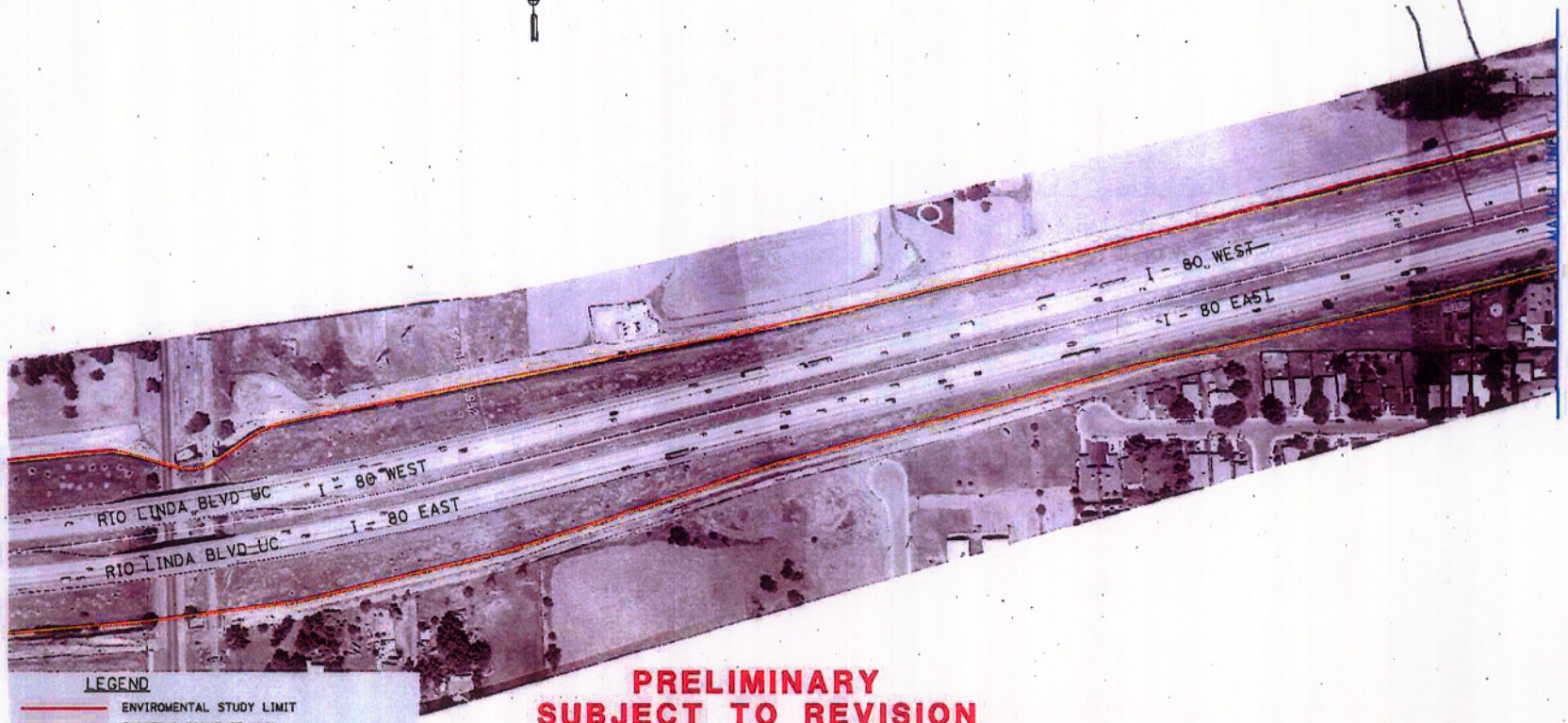
WB-80 L#13



LEGEND

- ENVIROMENTAL STUDY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED SOUNDWALL LOCATION
- PROPOSED RETAINING WALL LOCATION
- TEMPORARY CONSTRUCTION EASEMENT

PRELIMINARY
SUBJECT TO REVISION
01-19-06

L-16

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
PROJECT ENGINEER
CALCULATED/DESIGNED BY
CHECKED BY
DATE
REVISED BY
DATE REVISED

LAST REVISION 01-19-06 | DATE PLOTTED => 19-JAN-2006 | TIME PLOTTED => 14:44

RELATIVE BORDER SCALE IN INCHES 0 1 2 3

USERNAME => s121739
DGN FILE => l-16.dgn

CU 03240

EA 379700

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

ESL

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CIVIL STATE OF CALIFORNIA

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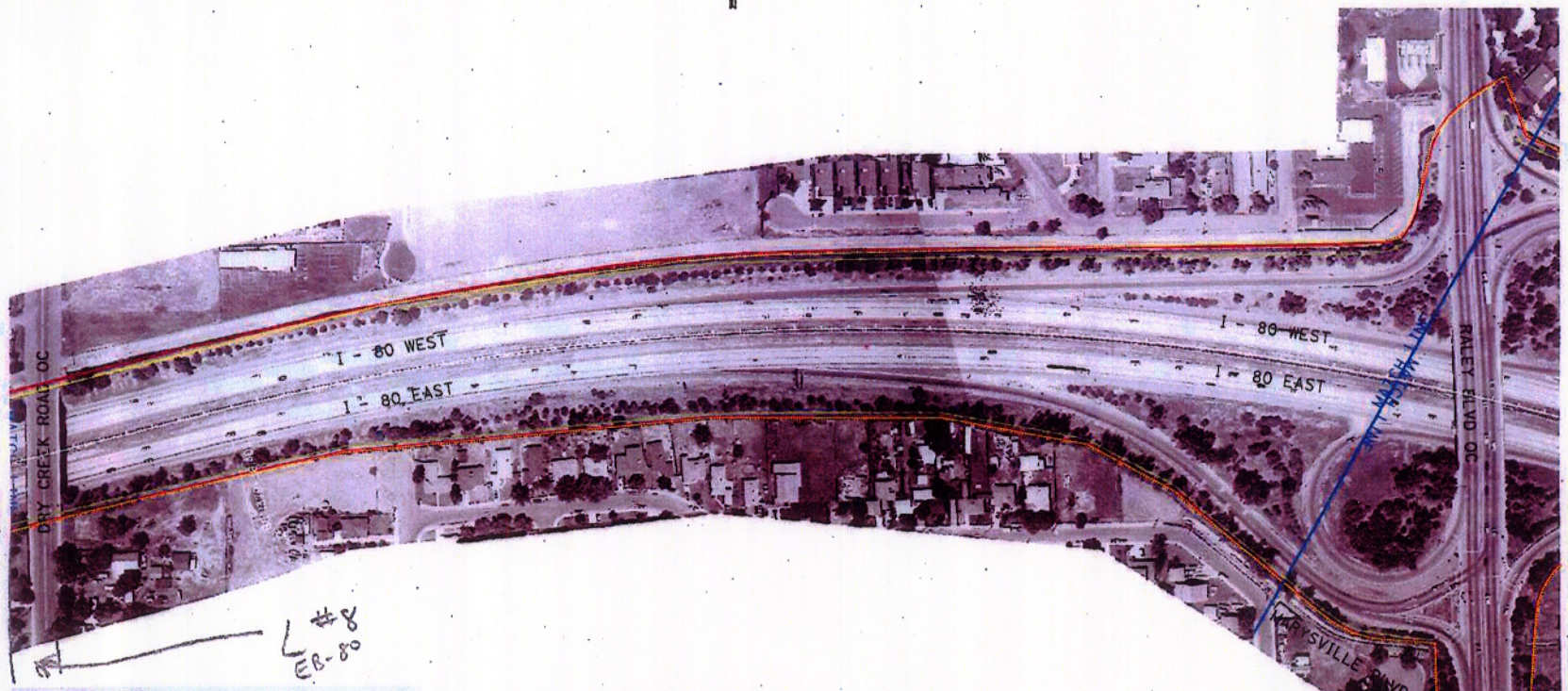
NOTES:

REFERENCE COUNTY ASSESSOR'S PARCEL MAPS AND CALTRANS RIGHT OF WAY RECORDS FOR COMPLETE RIGHT OF WAY DATA

1) AWAITING R/W ENGINEERING VERIFICATION OF EXISTING R/W

2) AWAITING ENVIRONMENTAL ENGINEERING VERIFICATION OF PRELIMINARY SOUNDWALL LOCATIONS AND LIMITS



LEGEND

- ENVIROMENTAL STUDY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED SOUNDWALL LOCATION
- PROPOSED RETAINING WALL LOCATION
- TEMPORARY CONSTRUCTION EASEMENT

PRELIMINARY
SUBJECT TO REVISION
01-19-06

L-17

DATE	REVISED BY	DATE REVISED

CALCULATED/ DESIGNED BY	CHECKED BY

PROJECT ENGINEER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

LAST REVISION 01-19-06 | DATE PLOTTED => 19-JAN-2006 | TIME PLOTTED => 14:45

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s121739
DGN FILE => l-17.dgn

CU 03240

EA 379700

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

ESL

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — CIVIL — STATE OF CALIFORNIA

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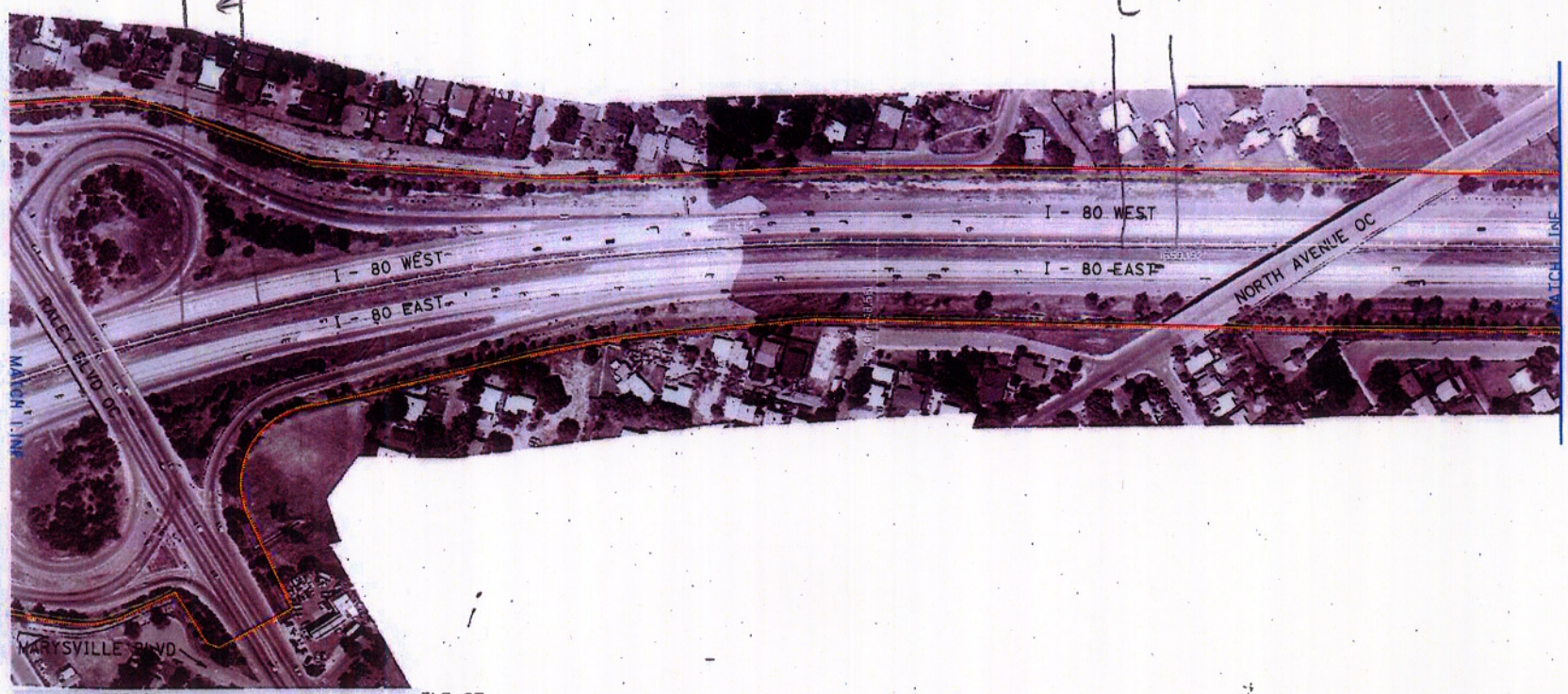
NOTES:

REFERENCE COUNTY ASSESSOR'S PARCEL MAPS AND CALTRANS RIGHT OF WAY RECORDS FOR COMPLETE RIGHT OF WAY DATA

1) AWAITING R/W ENGINEERING VERIFICATION OF EXISTING R/W

2) AWAITING ENVIRONMENTAL ENGINEERING VERIFICATION OF PRELIMINARY SOUNDWALL LOCATIONS AND LIMITS



LEGEND

- ENVIROMENTAL STUDY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED SOUNDWALL LOCATION
- PROPOSED RETAINING WALL LOCATION
- TEMPORARY CONSTRUCTION EASEMENT

PRELIMINARY
SUBJECT TO REVISION
01-19-06

L-18

DATE	REVISED BY	DATE REVISED

CALCULATED/DESIGNED BY

CHECKED BY

PROJECT ENGINEER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN

LAST REVISION DATE PLOTTED => 19-JAN-2006
TIME PLOTTED => 14:48
01-19-06

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s121739
DGN FILE => I-18.dgn

CU 03240

EA 379700

NOTES:

REFERENCE COUNTY ASSESSOR'S PARCEL MAPS AND CALTRANS RIGHT OF WAY RECORDS FOR COMPLETE RIGHT OF WAY DATA

1) AWAITING R/W ENGINEERING VERIFICATION OF EXISTING R/W

2) AWAITING ENVIRONMENTAL ENGINEERING VERIFICATION OF PRELIMINARY SOUNDWALL LOCATIONS AND LIMITS.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

ESL

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CIVIL STATE OF CALIFORNIA

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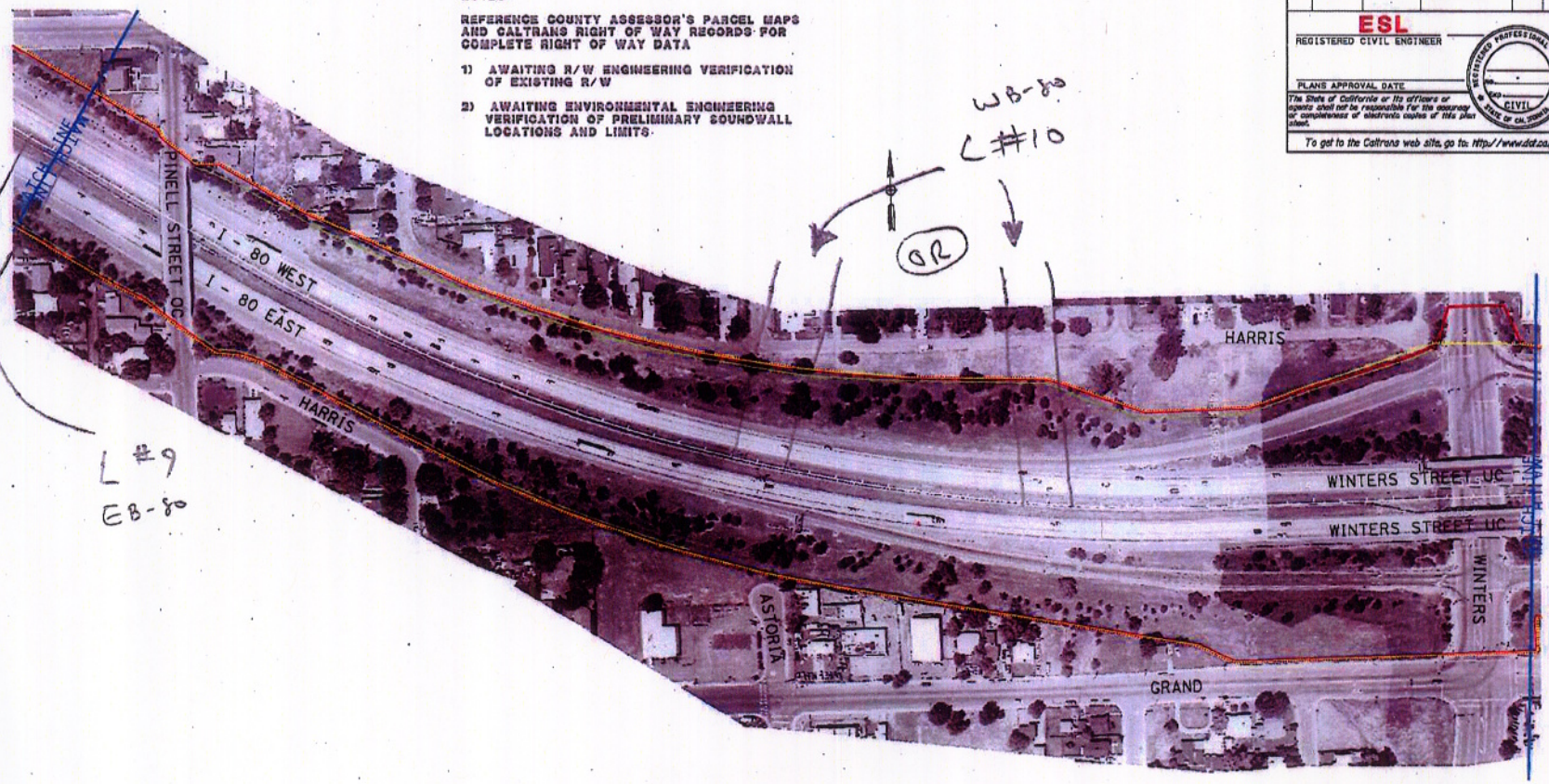

LEGEND

- ENVIROMENTAL STUDY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED SOUNDWALL LOCATION
- PROPOSED RETAINING WALL LOCATION
- TEMPORARY CONSTRUCTION EASEMENT

PRELIMINARY
SUBJECT TO REVISION
01-19-06

L-19

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN

PROJECT ENGINEER

CALCULATED/DESIGNED BY

CHECKED BY

DATE REVISED BY

DATE REVISED

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s121739
DGN FILE => 1-19.dgn

CU 03240

EA 379700

LAST REVISION 01-19-06

DATE PLOTTED => 19-JAN-2006
TIME PLOTTED => 14:47

NOTES:

REFERENCE COUNTY ASSESSOR'S PARCEL MAPS AND CALTRANS RIGHT OF WAY RECORDS FOR COMPLETE RIGHT OF WAY DATA

1) AWAITING R/W ENGINEERING VERIFICATION OF EXISTING R/W

2) AWAITING ENVIRONMENTAL ENGINEERING VERIFICATION OF PRELIMINARY SOUNDWALL LOCATIONS AND LIMITS

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

ESL

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — CIVIL — STATE OF CALIFORNIA

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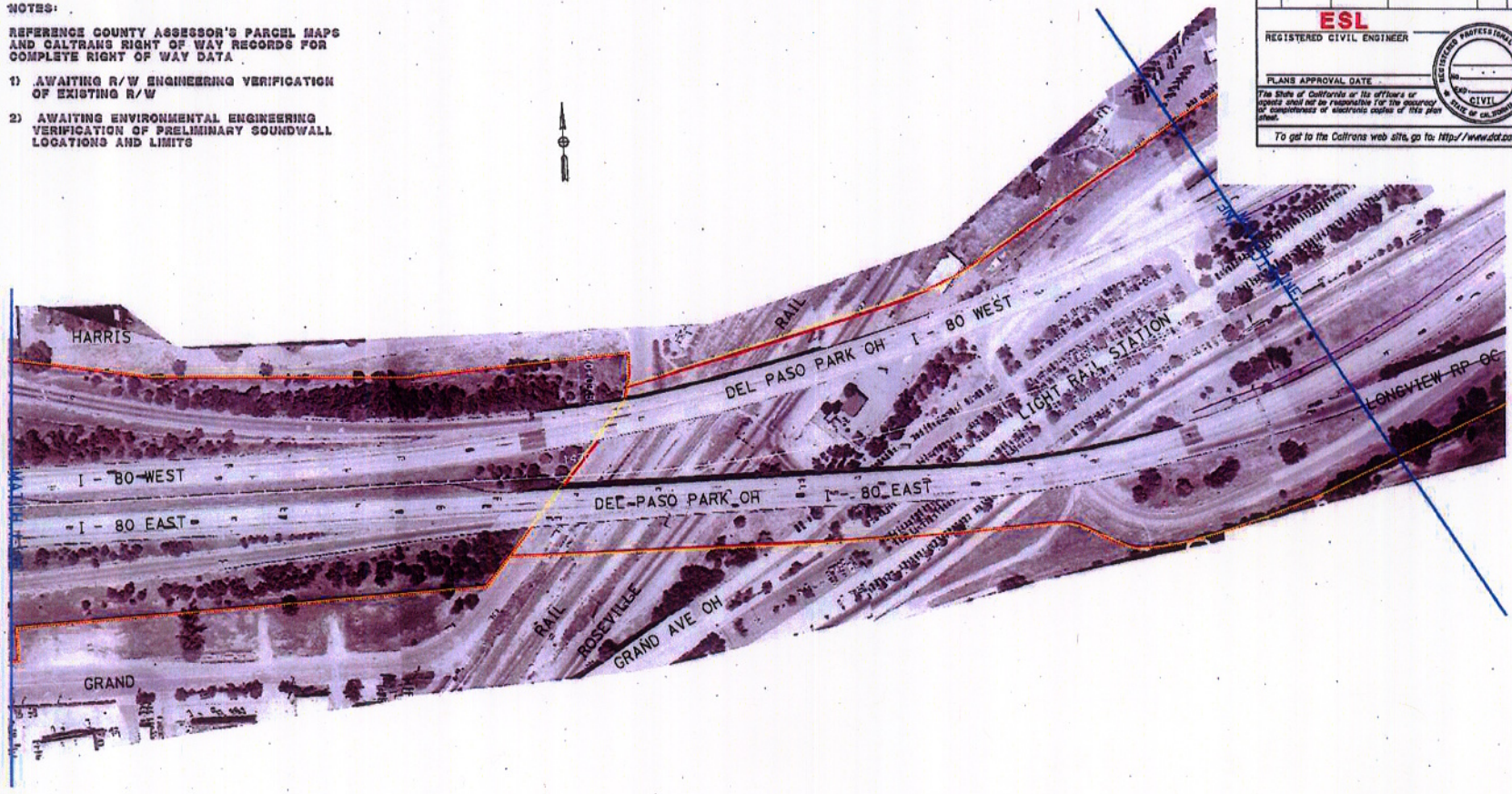

LEGEND

- ENVIROMENTAL STUDY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED SOUNDWALL LOCATION
- PROPOSED RETAINING WALL LOCATION
- TEMPORARY CONSTRUCTION EASEMENT

PRELIMINARY
SUBJECT TO REVISION
01-19-06

L-20

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN

PROJECT ENGINEER

CALCULATED/DESIGNED BY

CHECKED BY

DATE REVISED BY

DATE REVISED

LAST REVISION 01-19-06

DATE PLOTTED => 19-JAN-2006

TIME PLOTTED => 14:46

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s121739

DGN FILE => I-80.dgn

CU 03240

EA 379700

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

May 23, 2011

CLS Work Order #: CUE0754
COC #: 3 Chains

Rebecca Silva
Geocon Consultants
3160 Gold Valley Dr. Suite #800
Rancho Cordova, CA 95742

Project Name: Sac-80 Over the Top Project

Enclosed are the results of analyses for samples received by the laboratory on 05/19/11 08:20. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness. Any comments and expections are addressed under the Notes and Definitions section.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

RECEIVED
MAY 25 2011
BY: GEOCON

Sincerely,

James Liang, Ph.D.
Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES CHAIN OF CUSTODY

CLS ID. NO. CLE0754 (1 of 3)

Report To:

Name and Address GEOCON

3160 Gold Valley Drive, Suite 800

Rancho Cordova, CA 95742 Ph (916) 852-9118

Project Manager Rebecca Silva

Project Name Sac-80 Over the Top Project

Sampled By Luis Sepulveda/Rajive Chadha

Caltrans

Site Location Sacramento Intersate-80

Client Job Number: S 9300-06-165

Destination Laboratory: X CLS (916) 638-7301, 3249 Fitzgerald Road, Rancho Cordova, CA 95742, www.californialab.com

☐ OTHER

GEOTRACKER

EDF REPORT ☐ YES X NO

GLOBAL ID.

FIELD CONDITIONS:

COMPOSITE:

ANALYSIS REQUESTED: PH 9045 (PRESERVATIVES); SAME DAY TAT

TURNAROUND TIME IN DAYS: 1 | 2 | 5 | 10

SPECIAL INSTRUCTIONS: Homogenize Each sample

DATE	TIME	SAMPLE IDENTIFICATION	FIELD ID.	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	PH 9045						SAME DAY TAT	1	2	5	10	SPECIAL INSTRUCTIONS
5/18	9pm	L3-1		SOIL		BAG	N	X						X					Same day TAT
	9:10pm	L3-2		SOIL		BAG	N	X							HOLD				HOLD
	9:20pm	L3-3		SOIL		BAG	N	X							HOLD				HOLD
				SOIL		BAG	N												
5/18	9:40pm	L2-1		SOIL		BAG	N	X						X					SAME DAY TAT
	9:45pm	L2-2		SOIL		BAG	N	X							HOLD				
	9:50pm	L2-3		SOIL		BAG	N	X							HOLD				INVOICE TO:
				SOIL		BAG	N												
5/18	10:40pm	L1-1		SOIL		BAG	N	X						X					SAME DAY TAT
	10:50pm	L1-2		SOIL		BAG	N	X							HOLD				
	11:00pm	L1-3		SOIL		BAG	N	X							HOLD				PO#
				SOIL		BAG	N												QUOTE#

SUSPECTED CONSTITUENTS: Not Applicable

SAMPLE RETENTION TIME

PRESERVATIVES (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (Signature)	PRINT NAME/COMPANY	DATE/TIME	RECEIVED BY (Signature)	PRINT NAME/COMPANY
[signature]	Luis Sepulveda / Caltrans	5/19/11 730	[signature]	Jim Brake/Geocon Storage
[signature]	Rebecca Silva Geocon	5/19/11 0820		

RECEIVED AT LAB BY: DATE/TIME: 5/19/11 0820

CONDITIONS/COMMENTS: 18.4°C

SHIPPED BY: ☐ FED EX ☐ UPS ☐ OTHER AIR BILL #

CALIFORNIA LABORATORY SERVICES CHAIN OF CUSTODY

CLS ID. NO. CUE0754 (2 of 3)

Report To:

Name and Address GEOCON
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742 Ph (916) 852-9118

Project Manager Rebecca Silva

Project Name Sac-80 Over the Top Project

Sampled By Luis Sepulveda/Rajive Chadha

Caltrans

Site Location Sacramento Intersate-80

Client Job Number: S 9300-06-165

Destination Laboratory: X CLS (916) 638-7301, 3249 Fitzgerald Road, Rancho Cordova, CA 95742, www.californialab.com

☐ OTHER

GEOTRACKER
EDF REPORT ☐ YES X NO
GLOBAL ID:

FIELD CONDITIONS:

COMPOSITE:

ANALYSIS REQUESTED: PH 9045 (PRESERVATIVES); SAME DAY TAT

TURNAROUND TIME IN DAYS: 1 | 2 | 5 | 10

SPECIAL INSTRUCTIONS: Homogenize Each sample

DATE	TIME	SAMPLE IDENTIFICATION	FIELD ID.	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	PH 9045						SAME DAY TAT	1	2	5	10	SPECIAL INSTRUCTIONS
5/19	1:00am	L13-1		SOIL		BAG	N	X						X		SAME DAY TAT			
	1:10 am	L13-2		SOIL		BAG	N	X								HOLD			
	1:20 am	L13-3		SOIL		BAG	N	X								HOLD			
				SOIL		BAG	N												
5/19	1:55am	L12-1		SOIL		BAG	N	X						X		SAME DAY TAT			
	2:05 am	L12-2		SOIL		BAG	N	X								HOLD			
	2:10 am	L12-3		SOIL		BAG	N	X								HOLD			INVOICE TO:
				SOIL		BAG	N												
5/19	2:40am	L11-1		SOIL		BAG	N	X						X		SAME DAY TAT			
	2:50 am	L11-2		SOIL		BAG	N	X								HOLD			
	3:00 am	L11-3		SOIL		BAG	N	X								HOLD			PO#
				SOIL		BAG	N												QUOTE#

SUSPECTED CONSTITUENTS: Not Applicable

SAMPLE RETENTION TIME

PRESERVATIVES (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (Signature)	PRINT NAME/COMPANY	DATE/TIME	RECEIVED BY (Signature)	PRINT NAME/COMPANY
	Luis Sepulveda / Caltrans			
[signature]	Geocon / R. Silva	5/19/11 0820		

RECEIVED AT LAB BY: [signature] DATE/TIME: 5/19/11 1020 CONDITIONS/COMMENTS: 18.4°C

SHIPPED BY: ☐ FED EX ☐ UPS ☐ OTHER AIR BILL #

CALIFORNIA LABORATORY SERVICES CHAIN OF CUSTODY

CLS ID. NO. CVED754 (3 of 3)

Report To:

Name and Address GEOCON

3160 Gold Valley Drive, Suite 800

Rancho Cordova, CA 95742 Ph (916) 852-9118

Project Manager Rebecca Silva

Project Name Sac-80 Over the Top Project

Sampled By Luis Sepulveda/Rajive Chadha

Caltrans

Site Location Sacramento Intersate-80

Client Job Number: S 9300-06-165

Destination Laboratory: X CLS (916) 638-7301, 3249 Fitzgerald Road, Rancho Cordova, CA 95742, www.californialab.com

☐ OTHER

GEOTRACKER

EDF REPORT ☐ YES X NO

GLOBAL ID.

FIELD CONDITIONS:

COMPOSITE:

ANALYSIS REQUESTED

DATE	TIME	SAMPLE IDENTIFICATION	FIELD ID.	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	PH 9045						SAME DAY TAT	1	2	5	10	SPECIAL INSTRUCTIONS (Homogenize Each sample)
5/19	330 pm	L10-1		SOIL		BAG	N	X						X		SAME DAY TAT			
	340 pm	L10-2		SOIL		BAG	N	X								HOLD			
	350 pm	L10-3		SOIL		BAG	N	X								HOLD			
				SOIL		BAG	N												
				SOIL		BAG	N												
				SOIL		BAG	N												
				SOIL		BAG	N												INVOICE TO:
				SOIL		BAG	N												
				SOIL		BAG	N												
				SOIL		BAG	N												
				SOIL		BAG	N												PO#
				SOIL		BAG	N												QUOTE#

SUSPECTED CONSTITUENTS: Not Applicable

SAMPLE RETENTION TIME

PRESERVATIVES (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (Signature)	PRINT NAME/COMPANY	DATE/TIME	RECEIVED BY (Signature)	PRINT NAME/COMPANY
	LUIS SEPULVEDA / Caltrans			
Rebecca Silva	R. Silva / Geocon	5/19/11 0820		

RECEIVED AT LAB BY: DATE/TIME: 5/19/11 0820

CONDITIONS/COMMENTS: 18°C

SHIPPED BY: ☐ FED EX ☐ UPS ☐ OTHER AIR BILL #

CALIFORNIA LABORATORY SERVICES

05/23/11 12:55

Geocon Consultants	Project: Sac-80 Over the Top Project	
3160 Gold Valley Dr. Suite #800	Project Number: S 9300-06-165	CLS Work Order #: CUE0754
Rancho Cordova CA, 95742	Project Manager: Rebecca Silva	COC #: 3 Chains

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L3-1 (CUE0754-01) Soil Sampled: 05/18/11 21:00 Received: 05/19/11 08:20									
pH	10.89	1.00	pH Units	1	CU03480	05/19/11	05/19/11	EPA 9045C	
L2-1 (CUE0754-04) Soil Sampled: 05/18/11 21:40 Received: 05/19/11 08:20									
pH	10.41	1.00	pH Units	1	CU03480	05/19/11	05/19/11	EPA 9045C	
L1-1 (CUE0754-07) Soil Sampled: 05/18/11 22:40 Received: 05/19/11 08:20									
pH	9.70	1.00	pH Units	1	CU03480	05/19/11	05/19/11	EPA 9045C	
L13-1 (CUE0754-10) Soil Sampled: 05/19/11 01:00 Received: 05/19/11 08:20									
pH	10.64	1.00	pH Units	1	CU03480	05/19/11	05/19/11	EPA 9045C	
L12-1 (CUE0754-13) Soil Sampled: 05/19/11 01:55 Received: 05/19/11 08:20									
pH	10.83	1.00	pH Units	1	CU03480	05/19/11	05/19/11	EPA 9045C	
L11-1 (CUE0754-16) Soil Sampled: 05/19/11 02:40 Received: 05/19/11 08:20									
pH	10.41	1.00	pH Units	1	CU03480	05/19/11	05/19/11	EPA 9045C	
L10-1 (CUE0754-19) Soil Sampled: 05/19/11 03:30 Received: 05/19/11 08:20									
pH	10.63	1.00	pH Units	1	CU03480	05/19/11	05/19/11	EPA 9045C	

CALIFORNIA LABORATORY SERVICES

05/23/11 12:55

Geocon Consultants	Project: Sac-80 Over the Top Project	
3160 Gold Valley Dr. Suite #800	Project Number: S 9300-06-165	**CLS Work Order #: CUE0754**
Rancho Cordova CA, 95742	Project Manager: Rebecca Silva	COC #: 3 Chains

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

CALIFORNIA LABORATORY SERVICES

05/23/11 12:55

Geocon Consultants	Project: Sac-80 Over the Top Project	
3160 Gold Valley Dr. Suite #800	Project Number: S 9300-06-165	**CLS Work Order #: CUE0754**
Rancho Cordova CA, 95742	Project Manager: Rebecca Silva	COC #: 3 Chains

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

May 23, 2011

CLS Work Order #: CUE0804
COC #: 3 Chains

Rebecca Silva
Geocon Consultants
3160 Gold Valley Dr. Suite #800
Rancho Cordova, CA 95742

Project Name: Sac-80 Over the Top Project

Enclosed are the results of analyses for samples received by the laboratory on 05/19/11 16:56. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness. Any comments and expections are addressed under the Notes and Definitions section.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D.
Laboratory Director

RECEIVED
MAY 25 2011
BY: GEOCON

CA DOHS ELAP Accreditation/Registration number 1233

Work Order #CUE0804

The final report package for work order # CUE0804 is an extension of the original work order # CUE0754. The original chain of custody was returned with the original report package.

CALIFORNIA LABORATORY SERVICES

 05/23/11 14:29

Geocon Consultants	Project: Sac-80 Over the Top Project	
3160 Gold Valley Dr. Suite #800	Project Number: S 9300-06-165	**CLS Work Order #: CUE0804**
Rancho Cordova CA, 95742	Project Manager: Rebecca Silva	COC #: 3 Chains

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L3-1 (CUE0804-01) Soil Sampled: 05/18/11 21:00 Received: 05/19/11 16:56									
pH	10.83	1.00	pH Units	1	CU03537	05/23/11	05/23/11	EPA 9045C	A-COM
L3-2 (CUE0804-02) Soil Sampled: 05/18/11 21:10 Received: 05/19/11 16:56									
pH	8.75	1.00	pH Units	1	CU03506	05/20/11	05/20/11	EPA 9045C	
L2-1 (CUE0804-04) Soil Sampled: 05/18/11 21:40 Received: 05/19/11 16:56									
pH	10.48	1.00	pH Units	1	CU03537	05/23/11	05/23/11	EPA 9045C	A-COM
L2-2 (CUE0804-05) Soil Sampled: 05/18/11 21:45 Received: 05/19/11 16:56									
pH	8.58	1.00	pH Units	1	CU03506	05/20/11	05/20/11	EPA 9045C	
L1-1 (CUE0804-07) Soil Sampled: 05/18/11 22:40 Received: 05/19/11 16:56									
pH	9.84	1.00	pH Units	1	CU03537	05/23/11	05/23/11	EPA 9045C	A-COM
L1-2 (CUE0804-08) Soil Sampled: 05/18/11 22:50 Received: 05/19/11 16:56									
pH	7.85	1.00	pH Units	1	CU03506	05/20/11	05/20/11	EPA 9045C	
L13-1 (CUE0804-10) Soil Sampled: 05/19/11 01:00 Received: 05/19/11 16:56									
pH	10.53	1.00	pH Units	1	CU03537	05/23/11	05/23/11	EPA 9045C	A-COM
L13-2 (CUE0804-11) Soil Sampled: 05/19/11 01:10 Received: 05/19/11 16:56									
pH	6.92	1.00	pH Units	1	CU03506	05/20/11	05/20/11	EPA 9045C	
L12-1 (CUE0804-13) Soil Sampled: 05/19/11 01:55 Received: 05/19/11 16:56									
pH	10.85	1.00	pH Units	1	CU03537	05/23/11	05/23/11	EPA 9045C	A-COM
L12-2 (CUE0804-14) Soil Sampled: 05/19/11 02:05 Received: 05/19/11 16:56									
pH	9.85	1.00	pH Units	1	CU03506	05/20/11	05/20/11	EPA 9045C	
L11-1 (CUE0804-16) Soil Sampled: 05/19/11 02:40 Received: 05/19/11 16:56									
pH	10.57	1.00	pH Units	1	CU03537	05/23/11	05/23/11	EPA 9045C	A-COM
L11-2 (CUE0804-17) Soil Sampled: 05/19/11 02:50 Received: 05/19/11 16:56									
pH	8.94	1.00	pH Units	1	CU03506	05/20/11	05/20/11	EPA 9045C	
L10-1 (CUE0804-19) Soil Sampled: 05/19/11 03:30 Received: 05/19/11 16:56									
pH	10.64	1.00	pH Units	1	CU03537	05/23/11	05/23/11	EPA 9045C	A-COM
L10-2 (CUE0804-20) Soil Sampled: 05/19/11 03:40 Received: 05/19/11 16:56									
pH	8.80	1.00	pH Units	1	CU03506	05/20/11	05/20/11	EPA 9045C	

CALIFORNIA LABORATORY SERVICES

 05/23/11 14:29

Geocon Consultants	Project: Sac-80 Over the Top Project	
3160 Gold Valley Dr. Suite #800	Project Number: S 9300-06-165	**CLS Work Order #: CUE0804**
Rancho Cordova CA, 95742	Project Manager: Rebecca Silva	COC #: 3 Chains

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

CALIFORNIA LABORATORY SERVICES

05/23/11 14:29

Geocon Consultants	Project: Sac-80 Over the Top Project	
3160 Gold Valley Dr. Suite #800	Project Number: S 9300-06-165	**CLS Work Order #: CUE0804**
Rancho Cordova CA, 95742	Project Manager: Rebecca Silva	COC #: 3 Chains

Notes and Definitions

A-COM	pH was determined from 48-hour DI leachate.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

May 24, 2011

CLS Work Order #: CUE0819
COC #:

Rebecca Silva
Geocon Consultants
3160 Gold Valley Dr. Suite #800
Rancho Cordova, CA 95742

Project Name: Sac-80 Over the Top Project

Enclosed are the results of analyses for samples received by the laboratory on 05/20/11 08:15. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness. Any comments and expections are addressed under the Notes and Definitions section.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D.
Laboratory Director

RECEIVED
MAY 26 2011
BY: GEOCON

CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES CHAIN OF CUSTODY

CLS ID. NO. CUE0819 (1 of 3)

Report To:

Name and Address GEOCON
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742 Ph (916) 852-9118

Project Manager Rebecca Silva

Project Name Sac-80 Over the Top Project

Sampled By Luis Sepulveda/Rajive Chadha

Caltrans

Site Location Sacramento Intersate-80

Client Job Number: S 9300-06-165

Destination Laboratory: X CLS (916) 638-7301, 3249 Fitzgerald Road, Rancho Cordova, CA 95742, www.californialab.com

☐ OTHER

GEOTRACKER
EDF REPORT ☐ YES X NO
GLOBAL ID.

FIELD CONDITIONS:

COMPOSITE:

ANALYSIS REQUESTED: PH 9045 (PRESERVATIVES); SAME DAY TAT

TURNAROUND TIME IN DAYS: 1 | 2 | 5 | 10

SPECIAL INSTRUCTIONS: Homogenize Each sample

DATE	TIME	SAMPLE IDENTIFICATION	FIELD ID.	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	PH 9045						SAME DAY TAT	1	2	5	10	SPECIAL INSTRUCTIONS
5/19	9:40 pm	L6-1		SOIL		BAG	N	X						X					
	9:50 pm	L6-2		SOIL		BAG	N												HOLD
	10:00 pm	L6-3		SOIL		BAG	N												HOLD
				SOIL		BAG	N												
5/19	10:30 pm	L5-1		SOIL		BAG	N	X						X					
	10:35 pm	L5-2		SOIL		BAG	N												HOLD
	10:40 pm	L5-3		SOIL		BAG	N												INVOICE TO: HOLD
				SOIL		BAG	N												
5/19	10:55 pm	L4-1		SOIL		BAG	N	X						X					
	11:00 pm	L4-2		SOIL		BAG	N												HOLD
	11:05 pm	L4-3		SOIL		BAG	N												HOLD
				SOIL		BAG	N												QUOTE#

SUSPECTED CONSTITUENTS: Not Applicable

SAMPLE RETENTION TIME

PRESERVATIVES (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (Signature)	PRINT NAME/COMPANY	DATE/TIME	RECEIVED BY (Signature)	PRINT NAME/COMPANY
Luis Sepulveda	Luis Sepulveda / Caltrans	5/20/11 700		Jim Brake Geocon
RSilva	RSilva / Geocon	5/20/11 0815		

RECEIVED AT LAB BY: DATE/TIME: 5/20/11 0815 CONDITIONS/COMMENTS: 20050

SHIPPED BY: ☐ FED EX ☐ UPS ☐ OTHER AIR BILL #

CALIFORNIA LABORATORY SERVICES CHAIN OF CUSTODY

CLS ID. NO. CLED219 (2 of 3)

Report To:

Name and Address GEOCON
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742 Ph (916) 852-9118

Project Manager Rebecca Silva

Project Name Sac-80 Over the Top Project

Sampled By Luis Sepulveda/Rajive Chadha

Caltrans

Site Location Sacramento Intersate-80

Client Job Number: S 9300-06-165

Destination Laboratory: X CLS (916) 638-7301, 3249 Fitzgerald Road, Rancho Cordova, CA 95742, www.californialab.com

☐ OTHER

ANALYSIS REQUESTED: PH 9045 (PRESERVATIVES); SAME DAY TAT

GEOTRACKER
EDF REPORT ☐ YES X NO
GLOBAL ID.

FIELD CONDITIONS:

COMPOSITE:

TURNAROUND TIME IN DAYS: 1 | 2 | 5 | 10

SPECIAL INSTRUCTIONS: Homogenize Each sample

DATE	TIME	SAMPLE IDENTIFICATION	FIELD ID.	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	PH 9045						SAME DAY TAT	1	2	5	10	
5/20	12:30 am	L9 -1		SOIL		BAG	N	X						X					
	12:35 am	L9 -2		SOIL		BAG	N									HOLD			
	12:40 am	L9 -3		SOIL		BAG	N									HOLD			
				SOIL		BAG	N												
5/20	1 am	L8 -1		SOIL		BAG	N	X						X					
	1:05 am	L8 -2		SOIL		BAG	N									HOLD			
	1:10 am	L8 -3		SOIL		BAG	N									HOLD			INVOICE TO:
				SOIL		BAG	N												
5/20	1:30 am	L7 -1		SOIL		BAG	N	X											
	1:35 am	L7 -2		SOIL		BAG	N									HOLD			
	1:40 am	L7 -3		SOIL		BAG	N									HOLD			PO#
				SOIL		BAG	N												QUOTE#

SUSPECTED CONSTITUENTS: Not Applicable

SAMPLE RETENTION TIME

PRESERVATIVES (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (Signature)	PRINT NAME/COMPANY	DATE/TIME	RECEIVED BY (Signature)	PRINT NAME/COMPANY
[signature]	Luis Sepulveda / Caltrans	5/20/11 700	[signature]	Jim Bakeffeson
[signature]	R Silva / Geocon	5/20/11 0815		

RECEIVED AT LAB BY: [signature] DATE/TIME: 5/20/11 0815 CONDITIONS/COMMENTS: 2005

SHIPPED BY: ☐ FED EX ☐ UPS ☐ OTHER _____ AIR BILL # _____

CALIFORNIA LABORATORY SERVICES CHAIN OF CUSTODY

CLS ID. NO. CLE219 (3 of 3)

Report To:

Name and Address GEOCON

3160 Gold Valley Drive, Suite 800

Rancho Cordova, CA 95742 Ph. (916) 852-9118

Project Manager Rebecca Silva

Project Name Sac-80 Over the Top Project

Sampled By Luis Sepulveda/Rajive Chadha

Caltrans

Site Location Sacramento Intersate-80

Client Job Number: S 9300-06-165

Destination Laboratory: X CLS (916) 638-7301, 3249 Fitzgerald Road, Rancho Cordova, CA 95742, www.californialab.com

☐ OTHER

GEOTRACKER

EDF REPORT ☐ YES X NO

GLOBAL ID.

FIELD CONDITIONS:

COMPOSITE:

ANALYSIS REQUESTED

DATE	TIME	SAMPLE IDENTIFICATION	FIELD ID.	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	PH 9045						SAME DAY TAT	TURNAROUND TIME IN DAYS 1	2	5	10	SPECIAL INSTRUCTIONS
5/20	2:50 am	L 14-1		SOIL		BAG	N	X						X					Homogenize Each sample
	2:55 am	L14-2		SOIL		BAG	N								HOLD				
	3:00 am	L14-3		SOIL		BAG	N								HOLD				
				SOIL		BAG	N												
5/20	3:05 am	L 15-1		SOIL		BAG	N	X						X					
	3:10 am	L 15-2		SOIL		BAG	N								HOLD				
	3:15 am	L 15-3		SOIL		BAG	N								HOLD				INVOICE TO:
				SOIL		BAG	N												
				SOIL		BAG	N												
				SOIL		BAG	N												
				SOIL		BAG	N												PO#
				SOIL		BAG	N												QUOTE#

SUSPECTED CONSTITUENTS: Not Applicable

SAMPLE RETENTION TIME

PRESERVATIVES (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (Signature)	PRINT NAME/COMPANY	DATE/TIME	RECEIVED BY (Signature)	PRINT NAME/COMPANY
[signature]	Luis Sepulveda / Caltrans	5/20/11 700	[signature]	Tim Brake / Geocon
[signature]	R Silva Geocon	5/20/11 085		
[signature]				

RECEIVED AT LAB BY: DATE/TIME: 5/20/11 0215

CONDITIONS/COMMENTS: 20.5°C

SHIPPED BY: ☐ FED EX ☐ UPS ☐ OTHER AIR BILL #

CALIFORNIA LABORATORY SERVICES

05/24/11 10:15

Geocon Consultants	Project: Sac-80 Over the Top Project	
3160 Gold Valley Dr. Suite #800	Project Number: S 9300-06-165	**CLS Work Order #: CUE0819**
Rancho Cordova CA, 95742	Project Manager: Rebecca Silva	COC #:

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L6-1 (CUE0819-01) Soil Sampled: 05/19/11 21:40 Received: 05/20/11 08:15									
pH	10.41	1.00	pH Units	1	CU03506	05/20/11	05/20/11	EPA 9045C	
L5-1 (CUE0819-04) Soil Sampled: 05/19/11 22:30 Received: 05/20/11 08:15									
pH	10.89	1.00	pH Units	1	CU03506	05/20/11	05/20/11	EPA 9045C	
L4-1 (CUE0819-07) Soil Sampled: 05/19/11 22:55 Received: 05/20/11 08:15									
pH	10.71	1.00	pH Units	1	CU03506	05/20/11	05/20/11	EPA 9045C	
L9-1 (CUE0819-10) Soil Sampled: 05/20/11 00:30 Received: 05/20/11 08:15									
pH	11.02	1.00	pH Units	1	CU03506	05/20/11	05/20/11	EPA 9045C	
L8-1 (CUE0819-13) Soil Sampled: 05/20/11 01:00 Received: 05/20/11 08:15									
pH	10.71	1.00	pH Units	1	CU03506	05/20/11	05/20/11	EPA 9045C	
L7-1 (CUE0819-16) Soil Sampled: 05/20/11 01:30 Received: 05/20/11 08:15									
pH	10.43	1.00	pH Units	1	CU03506	05/20/11	05/20/11	EPA 9045C	
L14-1 (CUE0819-19) Soil Sampled: 05/20/11 02:50 Received: 05/20/11 08:15									
pH	10.94	1.00	pH Units	1	CU03506	05/20/11	05/20/11	EPA 9045C	
L15-1 (CUE0819-22) Soil Sampled: 05/20/11 03:05 Received: 05/20/11 08:15									
pH	9.67	1.00	pH Units	1	CU03506	05/20/11	05/20/11	EPA 9045C	

CALIFORNIA LABORATORY SERVICES

05/24/11 10:15

Geocon Consultants	Project: Sac-80 Over the Top Project	
3160 Gold Valley Dr. Suite #800	Project Number: S 9300-06-165	CLS Work Order #: CUE0819
Rancho Cordova CA, 95742	Project Manager: Rebecca Silva	COC #:

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

CALIFORNIA LABORATORY SERVICES

 05/24/11 10:15

Geocon Consultants	Project: Sac-80 Over the Top Project	
3160 Gold Valley Dr. Suite #800	Project Number: S 9300-06-165	**CLS Work Order #: CUE0819**
Rancho Cordova CA, 95742	Project Manager: Rebecca Silva	COC #:

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

May 25, 2011

CLS Work Order #: CUE0867
COC #:

Rebecca Silva
Geocon Consultants
3160 Gold Valley Dr. Suite #800
Rancho Cordova, CA 95742

Project Name: Sac-80 Over the Top Project

Enclosed are the results of analyses for samples received by the laboratory on 05/20/11 17:46. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness. Any comments and expections are addressed under the Notes and Definitions section.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D.
Laboratory Director

RECEIVED
MAY 31 2011
BY: GEOCON

CA DOHS ELAP Accreditation/Registration number 1233

Work Order #CUE0867

The final report package for work order # CUE0867 is an extension of the original work order # CUE0819. The original chain of custody was returned with the original report package.

CALIFORNIA LABORATORY SERVICES

05/25/11 14:53

Geocon Consultants
3160 Gold Valley Dr. Suite #800
Rancho Cordova, CA 95742

Project: Sac-80 Over the Top Project
Project Number: S 9300-06-165
Project Manager: Rebecca Silva

CLS Work Order #: CUE0867
COC #:

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L6-1 (CUE0867-01) Soil Sampled: 05/19/11 21:40 Received: 05/20/11 17:46									
pH	10.41	1.00	pH Units	1	CU03613	05/25/11	05/25/11	EPA 9045C	
L6-2 (CUE0867-02) Soil Sampled: 05/19/11 21:50 Received: 05/20/11 17:46									
pH	9.05	1.00	pH Units	1	CU03537	05/23/11	05/23/11	EPA 9045C	A-COM
L5-1 (CUE0867-04) Soil Sampled: 05/19/11 22:30 Received: 05/20/11 17:46									
pH	10.82	1.00	pH Units	1	CU03613	05/25/11	05/25/11	EPA 9045C	
L5-2 (CUE0867-05) Soil Sampled: 05/19/11 22:35 Received: 05/20/11 17:46									
pH	10.26	1.00	pH Units	1	CU03537	05/23/11	05/23/11	EPA 9045C	A-COM
L4-1 (CUE0867-07) Soil Sampled: 05/19/11 22:55 Received: 05/20/11 17:46									
pH	10.55	1.00	pH Units	1	CU03613	05/25/11	05/25/11	EPA 9045C	
L4-2 (CUE0867-08) Soil Sampled: 05/19/11 23:00 Received: 05/20/11 17:46									
pH	8.73	1.00	pH Units	1	CU03537	05/23/11	05/23/11	EPA 9045C	A-COM
L9-1 (CUE0867-10) Soil Sampled: 05/20/11 00:30 Received: 05/20/11 17:46									
pH	10.85	1.00	pH Units	1	CU03613	05/25/11	05/25/11	EPA 9045C	
L9-2 (CUE0867-11) Soil Sampled: 05/20/11 00:35 Received: 05/20/11 17:46									
pH	9.57	1.00	pH Units	1	CU03537	05/23/11	05/23/11	EPA 9045C	A-COM
L8-1 (CUE0867-13) Soil Sampled: 05/20/11 01:00 Received: 05/20/11 17:46									
pH	10.52	1.00	pH Units	1	CU03613	05/25/11	05/25/11	EPA 9045C	
L8-2 (CUE0867-14) Soil Sampled: 05/20/11 01:05 Received: 05/20/11 17:46									
pH	9.99	1.00	pH Units	1	CU03537	05/23/11	05/23/11	EPA 9045C	A-COM
L7-1 (CUE0867-16) Soil Sampled: 05/20/11 01:30 Received: 05/20/11 17:46									
pH	10.50	1.00	pH Units	1	CU03613	05/25/11	05/25/11	EPA 9045C	
L7-2 (CUE0867-17) Soil Sampled: 05/20/11 01:35 Received: 05/20/11 17:46									
pH	9.60	1.00	pH Units	1	CU03537	05/23/11	05/23/11	EPA 9045C	A-COM
L14-1 (CUE0867-19) Soil Sampled: 05/20/11 02:50 Received: 05/20/11 17:46									
pH	10.76	1.00	pH Units	1	CU03613	05/25/11	05/25/11	EPA 9045C	
L14-2 (CUE0867-20) Soil Sampled: 05/20/11 02:55 Received: 05/20/11 17:46									
pH	9.80	1.00	pH Units	1	CU03537	05/23/11	05/23/11	EPA 9045C	A-COM
L15-1 (CUE0867-22) Soil Sampled: 05/20/11 03:05 Received: 05/20/11 17:46									

CALIFORNIA LABORATORY SERVICES

05/25/11 14:53

Geocon Consultants 3160 Gold Valley Dr. Suite #800 Rancho Cordova, CA 95742	Project: Sac-80 Over the Top Project Project Number: S 9300-06-165 Project Manager: Rebecca Silva	CLS Work Order #: CUE0867 COC #:

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L15-1 (CUE0867-22) Soil Sampled: 05/20/11 03:05 Received: 05/20/11 17:46									
pH	9.72	1.00	pH Units	1	CU03613	05/25/11	05/25/11	EPA 9045C	
L15-2 (CUE0867-23) Soil Sampled: 05/20/11 03:10 Received: 05/20/11 17:46									
pH	9.07	1.00	pH Units	1	CU03537	05/23/11	05/23/11	EPA 9045C	A-COM

CALIFORNIA LABORATORY SERVICES

 05/25/11 14:53

Geocon Consultants	Project: Sac-80 Over the Top Project	
3160 Gold Valley Dr. Suite #800	Project Number: S 9300-06-165	**CLS Work Order #: CUE0867**
Rancho Cordova, CA 95742	Project Manager: Rebecca Silva	COC #:

Notes and Definitions

A-COM	pH was determined from 48-hour DI leachate.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

May 26, 2011

CLS Work Order #: CUE0872
COC #:

Rebecca Silva
Geocon Consultants
3160 Gold Valley Dr. Suite #800
Rancho Cordova, CA 95742

Project Name: Sac-80 Over the Top Project

Enclosed are the results of analyses for samples received by the laboratory on 05/23/11 08:20. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness. Any comments and expections are addressed under the Notes and Definitions section.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D.
Laboratory Director

RECEIVED
MAY 31 2011
BY: GEOCON

CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES CHAIN OF CUSTODY

CLS ID. NO. CUE0872 (1 of 2)

Report To:

Name and Address GEOCON
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742 Ph (916) 852-9118

Project Manager Rebecca Silva

Project Name Sac-80 Over the Top Project

Sampled By Luis Sepulveda/Rajive Chadha

Caltrans

Site Location Sacramento Intersate-80

Client Job Number: S 9300-06-165

Destination Laboratory: X CLS (916) 638-7301, 3249 Fitzgerald Road, Rancho Cordova, CA 95742, www.californialab.com

☐ OTHER

GEOTRACKER
EDF REPORT ☐ YES X NO
GLOBAL ID.

FIELD CONDITIONS:

COMPOSITE:

ANALYSIS REQUESTED: PH 9045 (PRESERVATIVES); SAME DAY TAT

TURNAROUND TIME IN DAYS: 1 | 2 | 5 | 10

SPECIAL INSTRUCTIONS: Homogenize Each sample

DATE	TIME	SAMPLE IDENTIFICATION	FIELD ID.	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	PH 9045						SAME DAY TAT	1	2	5	10	SPECIAL INSTRUCTIONS
5/20	8:30pm	L19-1		SOIL		BAG	N	X						X					
	8:40pm	L19-2		SOIL		BAG	N												Hold
	8:50pm	L19-3		SOIL		BAG	N												Hold
				SOIL		BAG	N												
5/20	9:25pm	L18-1		SOIL		BAG	N	X						X					
	9:35pm	L18-2		SOIL		BAG	N												Hold
	9:40pm	L18-3		SOIL		BAG	N												~~Hold~~ DIVOTE TO:
				SOIL		BAG	N												
5/20	10:10pm	L17-1		SOIL		BAG	N	X						X					
	10:15pm	L17-2		SOIL		BAG	N												Hold
	10:20pm	L17-3		SOIL		BAG	N												Hold.
				SOIL		BAG	N												QUOTE#

SUSPECTED CONSTITUENTS: Not Applicable

SAMPLE RETENTION TIME

PRESERVATIVES (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (Signature)	PRINT NAME/COMPANY	DATE/TIME	RECEIVED BY (Signature)	PRINT NAME/COMPANY
[signature]	Luis Sepulveda/Caltrans	5/23 7:30AM	[signature]	Geocon
Geocon/Rajive	Rebecca	5/23 0820		

RECEIVED AT LAB BY: DATE/TIME: 5/23/11 @ 0820

CONDITIONS/COMMENTS: CALTRANS 03A1368 22.92 OK per Chr

SHIPPED BY: ☐ FED EX ☐ UPS ☐ OTHER AIR BILL #

CALIFORNIA LABORATORY SERVICES CHAIN OF CUSTODY

CLS ID. NO. CUC0872 (2 of 2)

Report To:

Name and Address GEOCON

3160 Gold Valley Drive, Suite 800

Rancho Cordova, CA 95742 Ph (916) 852-9118

Project Manager Rebecca Silva

Project Name Sac-80 Over the Top Project

Sampled By Luis Sepulveda/Rajive Chadha

Caltrans

Site Location Sacramento Intersate-80

Client Job Number: S 9300-06-165

Destination Laboratory: X CLS (916) 638-7301, 3249 Fitzgerald Road, Rancho Cordova, CA 95742, www.californialab.com

☐ OTHER

GEOTRACKER

EDF REPORT ☐ YES X NO

GLOBAL ID.

FIELD CONDITIONS:

COMPOSITE:

DATE	TIME	SAMPLE IDENTIFICATION	FIELD ID.	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	PH 9045						SAME DAY TAT	TURNAROUND TIME IN DAYS 1	2	5	10	SPECIAL INSTRUCTIONS Homogenize Each sample
5/20	11:30pm	L16-1		SOIL		BAG	N	X						X					
	11:40pm	L16-2		SOIL		BAG	N												Hold
	11:50pm	L16-3		SOIL		BAG	N												Hold
				SOIL		BAG	N												
				SOIL		BAG	N												
				SOIL		BAG	N												
				SOIL		BAG	N												INVOICE TO:
				SOIL		BAG	N												
				SOIL		BAG	N												
				SOIL		BAG	N												
				SOIL		BAG	N												PO#
				SOIL		BAG	N												QUOTE#

SUSPECTED CONSTITUENTS: Not Applicable

SAMPLE RETENTION TIME

PRESERVATIVES (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (Signature)	PRINT NAME/COMPANY	DATE/TIME	RECEIVED BY (Signature)	PRINT NAME/COMPANY
[signature]	Luis Sepulveda/Caltrans	5/23 730am	[signature]	GEOCON
Rebecca Silva	R. Silva/GEOCON	5/23 0820		

RECEIVED AT LAB BY: [signature] DATE/TIME: 5/23/10 0820 CONDITIONS/COMMENTS: 22.1°C OK per Chris

SHIPPED BY: ☐ FED EX ☐ UPS ☐ OTHER AIR BILL #

CALIFORNIA LABORATORY SERVICES

 05/26/11 16:37

Geocon Consultants	Project: Sac-80 Over the Top Project	
3160 Gold Valley Dr. Suite #800	Project Number: S 9300-06-165	**CLS Work Order #: CUE0872**
Rancho Cordova CA, 95742	Project Manager: Rebecca Silva	COC #:

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L19-1 (CUE0872-01) Soil Sampled: 05/20/11 08:30 Received: 05/23/11 08:20									
pH	**10.75**	1.00	pH Units	1	CU03537	05/23/11	05/23/11	EPA 9045C	
L18-1 (CUE0872-04) Soil Sampled: 05/20/11 09:25 Received: 05/23/11 08:20									
pH	**11.16**	1.00	pH Units	1	CU03537	05/23/11	05/23/11	EPA 9045C	
L17-1 (CUE0872-07) Soil Sampled: 05/20/11 10:10 Received: 05/23/11 08:20									
pH	**10.95**	1.00	pH Units	1	CU03537	05/23/11	05/23/11	EPA 9045C	
L16-1 (CUE0872-10) Soil Sampled: 05/20/11 11:30 Received: 05/23/11 08:20									
pH	**11.02**	1.00	pH Units	1	CU03537	05/23/11	05/23/11	EPA 9045C	

CALIFORNIA LABORATORY SERVICES

05/26/11 16:37

Geocon Consultants	Project: Sac-80 Over the Top Project	
3160 Gold Valley Dr. Suite #800	Project Number: S 9300-06-165	**CLS Work Order #: CUE0872**
Rancho Cordova CA, 95742	Project Manager: Rebecca Silva	COC #:

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

CALIFORNIA LABORATORY SERVICES

 05/26/11 16:37

Geocon Consultants	Project: Sac-80 Over the Top Project	
3160 Gold Valley Dr. Suite #800	Project Number: S 9300-06-165	**CLS Work Order #: CUE0872**
Rancho Cordova CA, 95742	Project Manager: Rebecca Silva	COC #:

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

May 26, 2011

CLS Work Order #: CUE0928
COC #: GREEN

Rebecca Silva
Geocon Consultants
3160 Gold Valley Dr. Suite #800
Rancho Cordova, CA 95742

Project Name: Sac-80 Over the Top Project

Enclosed are the results of analyses for samples received by the laboratory on 05/23/11 15:40. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D.
Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES

05/26/11 09:37

Geocon Consultants 3160 Gold Valley Dr. Suite #800 Rancho Cordova, CA 95742	Project: Sac-80 Over the Top Project Project Number: S 9300-06-165 Project Manager: Rebecca Silva	CLS Work Order #: CUE0928 COC #: GREEN

CHANGE OF STATUS

CUE0928

CLS Labs Job # CUE0928

Project Name: Sac-80

Date Sample(s) Were Received: [illegible] Original Date [illegible]

Rebecca Silva (Client Contacted) of Geocon (Company) [illegible] (Caller)

on [illegible] (Date) at 1509 (Time)

...and requested the following:

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	
[illegible]	[illegible]		[illegible]	
[illegible]	[illegible]		[illegible]	
[illegible]	[illegible]		[illegible]	

Turnaround time requested for additional work: [illegible]

[illegible] (Signature) [illegible] (Date)

Updated lab job database and file folder by: Nikki Orellana

Cc:

CALIFORNIA LABORATORY SERVICES

 05/26/11 09:37

Geocon Consultants	Project: Sac-80 Over the Top Project	
3160 Gold Valley Dr. Suite #800	Project Number: S 9300-06-165	**CLS Work Order #: CUE0928**
Rancho Cordova, CA 95742	Project Manager: Rebecca Silva	COC #: GREEN

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L19-1 (CUE0928-01) Soil Sampled: 05/20/11 08:30 Received: 05/23/11 15:40									
pH	10.75	1.00	pH Units	1	CU03658	05/26/11	05/26/11	EPA 9045C	A-COM
L19-2 (CUE0928-02) Soil Sampled: 05/20/11 08:40 Received: 05/23/11 15:40									
pH	8.76	1.00	pH Units	1	CU03571	05/24/11	05/24/11	EPA 9045C	
L18-1 (CUE0928-04) Soil Sampled: 05/20/11 09:25 Received: 05/23/11 15:40									
pH	11.08	1.00	pH Units	1	CU03658	05/26/11	05/26/11	EPA 9045C	A-COM
L18-2 (CUE0928-05) Soil Sampled: 05/20/11 09:35 Received: 05/23/11 15:40									
pH	8.68	1.00	pH Units	1	CU03571	05/24/11	05/24/11	EPA 9045C	
L17-1 (CUE0928-07) Soil Sampled: 05/20/11 10:10 Received: 05/23/11 15:40									
pH	10.76	1.00	pH Units	1	CU03658	05/26/11	05/26/11	EPA 9045C	A-COM
L17-2 (CUE0928-08) Soil Sampled: 05/20/11 10:15 Received: 05/23/11 15:40									
pH	9.02	1.00	pH Units	1	CU03571	05/24/11	05/24/11	EPA 9045C	
L16-1 (CUE0928-10) Soil Sampled: 05/20/11 11:30 Received: 05/23/11 15:40									
pH	10.89	1.00	pH Units	1	CU03658	05/26/11	05/26/11	EPA 9045C	A-COM
L16-2 (CUE0928-11) Soil Sampled: 05/20/11 11:40 Received: 05/23/11 15:40									
pH	8.94	1.00	pH Units	1	CU03571	05/24/11	05/24/11	EPA 9045C	

CALIFORNIA LABORATORY SERVICES

 05/26/11 09:37

Geocon Consultants	Project: Sac-80 Over the Top Project	
3160 Gold Valley Dr. Suite #800	Project Number: S 9300-06-165	**CLS Work Order #: CUE0928**
Rancho Cordova, CA 95742	Project Manager: Rebecca Silva	COC #: GREEN

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

CALIFORNIA LABORATORY SERVICES

 05/26/11 09:37

Geocon Consultants	Project: Sac-80 Over the Top Project	
3160 Gold Valley Dr. Suite #800	Project Number: S 9300-06-165	**CLS Work Order #: CUE0928**
Rancho Cordova, CA 95742	Project Manager: Rebecca Silva	COC #: GREEN

Notes and Definitions

A-COM	pH was determined from 48-hour DI leachate.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference