REPORT

AERIALLY DEPOSITED LEAD CONTAMINATION ASSESSMENT

I-580 TMP/ADVANCED ELEMENTS PROJECT

DUBLIN, PLEASANTON AND LIVERMORE
ALAMEDA AND CONTRA COSTA COUNTIES, CALIFORNIA

AGS Job No. KF0209

Prepared for:

Alameda County Congestion Management Agency
&
TY Lin International

Submitted by:

AGS, INC.

June 2006

364 Fourteenth Street, Suite 500, Oakland, CA 94612 • Phone (510) 251-1180 • Fax (510) 251-1190
111 New Montgomery Street, Suite 500, San Francisco, CA 94105 • Phone (415) 777-2166 • Fax (415) 777-4874

TABLE OF CONTENTS

1.0 INTRODUCTION 1
1.1 GENERAL 1
1.2 PROJECT DESCRIPTION 1
1.3 WORK PERFORMED 3
1.3.1 Preparation of Sampling Plan 3
1.3.2 Field Exploration and Sampling 4
1.3.3 Decontamination Procedure 4
1.3.4 Laboratory Testing 5

2.0 FINDINGS 6
2.1 SITE CONDITIONS 6
2.2 SOIL CONDITIONS 7
2.2.1 Soil Sampling Results 7

3.0 CONCLUSIONS AND RECOMMENDATIONS 9
3.1 GENERAL 9
3.2 EXCAVATION AND EARTHWORK 9

4.0 CLOSURE 11

5.0 REFERENCES 12

TABLES
Table 1. Project Intersections and Sample Locations 2
Table 2. Laboratory Test Results for I-680 Corridor Alcosta Boulevard, I-680/Route 84, Andrade Road and Sheridan Road Interchanges 13

TABLE OF CONTENTS

Table 3. Laboratory Test Results for I-580 Corridor Foothill/San Ramon Road and I-580/I-680 Interchanges 14
Table 4. Laboratory Test Results for I-580 Corridor Hopyard/Dougherty Road, Tassajara/Santa Rita Road, Fallon/El Charro Road and Airway Boulevard Interchanges 15
Table 5. Laboratory Test Results for I-580 Corridor Portola Avenue Interchange 16
Table 6. Laboratory Test Results for I-680 Corridor Livermore Avenue Interchange, Route 84 along Isabel Avenue and Tesla Road 17
Table 7. Laboratory Test Results for I-580 Corridor First Street Interchange 18
Table 8. Laboratory Test Results for I-580 Corridor North Vasco Road and Vasco Road Interchange 19
Table 9. Laboratory Test Results for I-580 Corridor Greenville Road Interchange and Altamont Pass Road 20

PLATES

Plate 1. Project Location and Key Map
Plates 2 through 51. Sample Location Maps

APPENDICES

APPENDIX A – LABORATORY TESTING
CURTIS & TOMPKINS, LTD., ANALYTICAL REPORTS

1.0 INTRODUCTION

1.1 GENERAL

This report presents the results of the environmental soil sampling and testing for lead, which was conducted by AGS, for the Interstate 580 TMP/Advanced Elements Project along the I-580 and I-680 freeway and Route 84 corridors extending from the Cities of Dublin and Pleasanton to Livermore, in Alameda and Contra Costa counties. The assessment was performed in order to evaluate soil contamination conditions which have resulted from aerially deposited lead (ADL) accumulation along the project corridor. The locations of the sampling sites relative to the project area are shown on Plate 1 – Project Location and Key Map.

1.2 PROJECT DESCRIPTION

The project involves the installation of Traffic Operations System (TOS)/Intelligent Transportation System (ITS) equipment at various locations along I-580, I-680, and Route 84. The equipment includes pole-mounted closed circuit video cameras, microwave vehicle detection systems (MVDS), traffic monitors, ramp traffic metering signals, changeable message signs, and associated underground electrical, video and control wiring. Specifically, the improvements are to be located at or near the freeway interchanges at the locations shown on Plate 1 and summarized in Table 1.

The project requires the excavation of soil materials for the upgrade or installation of various project elements. The results of the soil sampling and testing performed for this study are to be used in further planning to determine the handling requirements of these excavated soils. Some of the sites within the project area that are contaminated will probably require remedial action during construction.

TABLE 1.

PROJECT INTERSECTIONS AND SAMPLE LOCATIONS

Interchange	Plate Nos.	Sample Label	Direction
I-680 at Alcosta Blvd	2,3	ALCO	SB
I-580 at Foothill Rd	4,5,6	FOOT	EB
Foothill and San Ramon Rds	7	SRAM	City Street
I-580/I-680 Interchange	8,9,10	INT	WB
I-580 at Hopyard/Dougherty Rds	11,12	HOP	EB, WB
I-580 at Tassajara/Santa Rita Rds	13	TASS	EB
I-580 at Fallon/El Charro Rds	14,15	FALL	EB
I-580 at Airway Blvd	16,17	NAIR	WB
I-580 at Portola Ave	18, 19, 20, 21, 22, 23	PORT	EB, WB
I-580 at Livermore Ave	24, 25, 26, 27	NLIV, SLIV	EB, WB
I-580 at First St	28, 29, 30, 31, 32	NFIR, SFIR	EB, WB
N Vasco Rd at Dalton Rd	33	NVAS-1	City Street
I-580 at Vasco Rd	34, 35, 36, 37	NVAS, SVAS	EB, WB
I-580 at Greenville Rd	38, 39, 40, 41, 42, 43	NGRN, SGRN	EB, WB
Altamont Pass Rd	44	ALTR-1	City Street
S Vasco Rd at Tesla Rd	45, 46	TESLA	City Street
Isabel Ave near Stanley Blvd	47	NISA-1	SB
Vallecitos Rd at Isabel Ave	48	SISA	EB
I-680/Route 84 Interchange	49	SUN	NB, EB
I-680 at Andrade Rd	50	AND	NB
I-680 at Sheridan Rd	51	SHER	NB

Notes: EB = Eastbound, WB = Westbound, SB = Southbound, NB = Northbound.

1.3 WORK PERFORMED

AGS prepared a proposal for environmental engineering services, which was submitted to TY Lin International on March 2, 2006, for the Alameda County Congestion Management Agency (ACCMA) and Caltrans. As stated in the proposal, the purpose of the study was to explore and evaluate subsurface conditions, in order to develop contamination evaluations for handling of excavated soil materials for various project elements during design and construction.

This study involved the collection and testing of 300 soil samples from 150 sampling points situated at 28 different locations along the freeway corridors within the project area and at several improvement locations some distance from the freeway corridors. The soil samples were collected from areas which are planned to be part of the improvements identified in the draft Project Study Report/Project Report. The project area is shown on Plate 1, with the sample locations and their respective plates delineated by their corresponding plate numbers and plan sheet numbers.

The work performed for this environmental assessment included the following tasks.

1.3.1 Preparation of Sampling Plan

AGS prepared a Sampling Plan delineating where the samples were to be collected based on the project plans provided by TY Lin. The Sampling Plan included project site characteristics, roadside safety precautions, sampling methods and decontamination procedures to be followed.

1.3.2 Field Exploration and Sampling

AGS conducted a field exploration and sampling program, which consisted of drilling 150 borings to depths of 1.5 feet. At each boring location, a surface soil sample was initially collected extending from the ground surface to a depth of 0.5 feet, then the boring was advanced to a depth of 1.0 foot using a hand auger, and a second sample was collected from a depth of 1.0 to 1.5 feet. The soil samples were collected using a driven core sampler, lined with 2-inch diameter by 6-inch long stainless steel tubes. Upon retrieval, the soil samples were briefly examined and classified as to soil type, density and moisture content as noted on the field forms, then each sample was sealed with Teflon-lined plastic caps, labeled, and placed on ice for transport under chain of custody protocol to the laboratory for testing.

Each boring was backfilled with compacted cuttings extracted from the boring. The exact location of each boring was recorded with respect to surface landmarks as depicted on the plans using existing roadway facilities. The sample locations are shown on Plates 2 through 51 – Sample Location Maps.

1.3.3 Decontamination Procedure

Upon completion of sampling at each location, the hand auger and the sampler was decontaminated using a solution of Liquinox® critical-cleaning non-phosphate liquid detergent in water contained in a 5-gallon bucket. The equipment was scrubbed to remove all visible traces of soil residue, then rinsed in three successive 5-gallon buckets of clean potable water. Each day began with a fresh solution of Liquinox® detergent and clean rinse water.

1.3.4 Laboratory Testing

The soil samples were delivered to Curtis & Tompkins, Ltd., Analytical Laboratories in Berkeley, California, for environmental testing under chain of custody protocol. All test samples were to be taken from the bottom portion of the sample tubes thereby providing a test interval of 0.5 and 1.5 feet. The soil samples were initially analyzed for Total Threshold Limit Concentration (TTLC) lead by EPA Method 6010B. In addition, soil samples which showed an elevated TTLC lead content, at or above 50 mg/kg, were further analyzed for standard Soluble Threshold Limit Concentration (STLC) lead (EPA Test Method 6010B) and wet Deionized Water Waste Extraction STLC lead (EPA Test Method 6010B) as prescribed by Caltrans.

The laboratory results are summarized in Tables 2 through 9 and the laboratory test reports are presented in Appendix A.

2.0 FINDINGS

2.1 SITE CONDITIONS

During the sampling program, AGS performed a brief visual examination of the existing conditions along the roadway at each location. The type and relative density of the soil materials at each location were noted, in addition to the distance from existing pavement, sidewalks or curbs, in order to accurately plot the sample locations on the project plan sheets. Buried AC pavements were encountered at several sample locations, which required them to be relocated further from the existing road surface. All of the soil samples were collected from between 0.5 and 6 feet from the existing paved roadways, with the exception of FOOT-8, INT-1, INT-8, PORT-1, and NAIR-1, which were located along existing underground utilities more distant from the existing roadway pavement.

Buried subsurface utilities in the vicinity of the sample locations include electrical and telecommunication conduits for street lighting and traffic controls, storm drains, and water lines. The soil samples were intentionally collected in the vicinity of these underground utilities to better represent the soil contamination conditions to be expected during construction of new utilities as shown on the plans provided for this project. The exception to this was where the existing utilities could not be accurately located in the field, and are indicated on the sample location maps, Plates 2 through 51, where the sample locations do not fall within the circled area of planned work. In these instances, the sample locations were designated to be adjacent to the pavement, in order to accurately plot the sample collection sites on the plan sheets.

2.2 SOIL CONDITIONS

The subsurface conditions at each site was explored and evaluated by hand-augering 150 borings to depths of 1.5 feet. Of the 150 borings, approximately 100, or two thirds, were located within dense to very dense compacted gravelly fill associated with road base materials. The remainder or the borings passed through a surface layer of road base fill into underlying sediments, or were located upslope from the roadway and encountered no fill at all.

2.2.1 Soil Sampling Results

All soil samples collected were submitted for laboratory testing. The initial laboratory test results indicated levels of TTLC lead above 50 mg/kg (milligrams per kilogram) in 34 samples, both in the shallow and the deeper samples. Only two of the samples, out of 300 tested, exhibited elevated TTLC lead levels in the deeper sample corresponding with an elevated TTLC lead level in the shallow sample from the same boring. The lab tests indicated levels of TTLC lead above 1,000 mg/kg in only two of the 300 samples tested.

EPA regulations require that STLC testing be performed for any solid sample with TTLC results that are ten times or greater than the STLC limit. The applicable levels for this study are a TTLC limit of 1,000 mg/kg and an STLC limit of 5.0 mg/L, therefore if the TTLC result is 50 mg/kg or higher, additional STLC testing is required. Materials exhibiting lead levels above these levels are considered to be hazardous waste.

Following the initial screening for TTLC lead, the samples with concentrations of lead near or more than ten times the STLC limit for lead were further tested for STLC lead using standard EPA wet methods and with deionized water leachate as prescribed by Caltrans. These samples numbered 36 out of the 300 samples submitted to the

laboratory for total lead testing. Of the 36 samples tested for STLC lead, 22 were reported to have lead levels exceeding the STLC limit of 5.0 mg/L (5,000 ug/L as reported in Tables 2 through 9). In addition to these 36 samples, one additional deep sample was also submitted for STLC lead testing due to the high lead content in the shallow sample. The results of these tests are reported on Tables 2 through 9 of this report.

3.0 SUMMARY OF FINDINGS

3.1 GENERAL

Based on the results of the soil sampling and laboratory testing program, it is the opinion of AGS that more than likely, the project elements involving construction near the Alcosta Boulevard, I-680/Route 84, Andrade Road, the planned Isabel Avenue/Route 84 Interchange at Portola Road, First Street and Greenville Road Interchanges will encounter elevated levels of lead in surface and near surface soils resulting from aerially deposited lead, which has leached into the soils from historical use of leaded fuels. Elevated levels of lead below the TTLC and STLC limits were also detected in one of the soil samples collected at the westbound offramp at Hopyard Road, the eastbound onramp at Vasco Road and at the pole-mounted camera on North Vasco Road.

Low levels of lead were detected at the Sheridan Road, Foothill Road, I-580/I-680, Tassajara/Santa Rita Road, Fallon/El Charro Road, Airway Boulevard, and Livermore Avenue Interchanges at all of the locations sampled. Additionally, low levels of lead were detected at all the locations sampled at the intersection of San Ramon Road and Foothill Road, along the Iron Horse Trail adjacent to Dublin City Hall, along Isabel Avenue, at the intersection of Isabel Avenue and Vallecitos Road (Route 84), along Tesla Road and on Altamont Pass Road away from the freeway corridors.

3.2 EXCAVATION AND EARTHWORK

An appropriate health and safety plan and waste management plan should be prepared and implemented to address potential soil contamination that may be encountered during construction activities at each of the above sites. Specifically, the plans should address elevated levels of lead that may be encountered in near-surface soils. The health and

safety plan should include environmental screening levels for work at sites with contaminated soils.

All exposed soil material should be covered and soil stockpiles generated during the project should be properly analyzed and characterized for possible contaminants before proceeding with on-site reuse or off-site disposal. All construction activities should prevent the creation of potential conduits that allow or facilitate direct vertical migration of near-surface soil contaminants into the underlying soils or otherwise enhance migration of residual contaminants in the project area.

4.0 CLOSURE

This report has been prepared in accordance with generally accepted professional engineering practice for the exclusive use of TY Lin International, the Alameda County Congestion Management Agency and Caltrans for the Interstate 580 TMP/Advanced Elements Project within the I-580, I-680, and Route 84 freeway corridors. No other warranty, express or implied, is made.

The analyses and recommendations submitted in this report are based upon the data obtained from the 150 locations sampled for this study. The nature and extent of variations between the samples may not become evident until construction. In the event variations occur, it will be necessary to reevaluate the recommendations of this report.

It is the responsibility of the owner or its representative to ensure that the applicable provisions of this report are incorporated into the plans and specifications, and that the necessary steps are taken to see that the contractor carry out such provisions.

Respectfully submitted,
AGS, Inc.

Bahram Khamenehpour

Bahram Khamenehpour, Ph.D.
Geotechnical Engineer No. 2104

5.0 REFERENCES

California Regional Water Quality Control Board, San Francisco Bay Region, 2005, Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater, 4th Edition. http://www.swrcb.ca.gov/rwqcb2/esl.shtm

TABLE 2.
LABORATORY TEST RESULTS FOR I-680 CORRIDOR
ALCOSTA BOULEVARD, I-680/ROUTE 84, ANDRADE ROAD
AND SHERIDAN ROAD INTERCHANGES

Sample Identification	Sample Depth (ft)	TTLC Lead (mg/kg)	STLC Lead (ug/L)	STLC Lead (DI Leachate) (ug/L)	Sample Location Plate	Sample Location Sheet
ALCO-1A	0.0-0.5	72	2,600	3.3	3	E-39
ALCO-1B	1.0-1.5	11	--	--		
ALCO-2A	0.0-0.5	180	**6,200**	23	2	L-13
ALCO-2B	1.0-1.5	76	**7,600**	7.3		
ALCO-3A	0.0-0.5	230	**20,000**	73	2	L-13
ALCO-3B	1.0-1.5	3.7	200	3.1		
SUN-1A	0.0-0.5	17	--	--	49	E-41
SUN-1B	1.0-1.5	26	--	--		
SUN-2A	0.0-0.5	26	--	--	49	E-41
SUN-2B	1.0-1.5	4.1	--	--		
SUN-3A	0.0-0.5	58	2,000	*< 3.0*	49	E-41
SUN-3B	1.0-1.5	6.6	--	--		
SUN-4A	0.0-0.5	35	--	--	49	E-41
SUN-4B	1.0-1.5	240	**7,900**	14		
SUN-5A	0.0-0.5	5.2	--	--	49	E-41
SUN-5B	1.0-1.5	7.4	--	--		
AND-1A	0.0-0.5	280	**14,000**	4.7	50	L-15
AND-1B	1.0-1.5	8.1	--	--		
AND-2A	0.0-0.5	9.2	--	--	50	L-15
AND-2B	1.0-1.5	6.9	--	--		
SHER-1A	0.0-0.5	7.3	--	--	51	E-43
SHER-1B	1.0-1.5	6.2	--	--		
SHER-2A	0.0-0.5	14	--	--	51	E-43
SHER-2B	1.0-1.5	26	--	--		
SHER-3A	0.0-0.5	7.3	--	--	51	E-43
SHER-3B	1.0-1.5	5.5	--	--		

Notes: Total Threshold Limit Concentration (TTLC) Lead by EPA Method 6010B in soil in milligrams per kilogram (mg/kg).
Soluble Threshold Limit Concentration (STLC) Lead by EPA Method 6010B using standard wet preparation method and deionized water wet preparation method, in micrograms per liter (ug/L).
-- = Not analyzed.
< 3.0 = Not detected above the laboratory method reporting limit.

TABLE 3.
LABORATORY TEST RESULTS FOR I-580 CORRIDOR FOOTHILL/SAN RAMON ROAD AND I-580/I-680 INTERCHANGES

Sample Identification	Sample Depth (ft)	TTLC Lead (mg/kg)	STLC Lead (ug/L)	STLC Lead (DI Leachate) (ug/L)	Sample Location Plate	Sample Location Sheet
FOOT-1A	0.0-0.5	3.8	--	--	4	E-2
FOOT-1B	1.0-1.5	4.8	--	--		
FOOT-2A	0.0-0.5	3.7	--	--	4	E-2
FOOT-2B	1.0-1.5	6.1	--	--		
FOOT-3A	0.0-0.5	5.0	--	--	4	E-2
FOOT-3B	1.0-1.5	12	--	--		
FOOT-4A	0.0-0.5	5.0	--	--	4	E-2
FOOT-4B	1.0-1.5	6.7	--	--		
FOOT-5A	0.0-0.5	4.7	--	--	4	E-2
FOOT-5B	1.0-1.5	4.3	--	--		
FOOT-6A	0.0-0.5	5.2	--	--	5	E-3
FOOT-6B	1.0-1.5	4.1	--	--		
FOOT-7A	0.0-0.5	6.6	--	--	5	E-3
FOOT-7B	1.0-1.5	8.9	--	--		
FOOT-8A	0.0-0.5	14	--	--	5	E-3
FOOT-8B	1.0-1.5	5.8	--	--		
FOOT-9A	0.0-0.5	31	--	--	6	E-4
FOOT-9B	1.0-1.5	14	--	--		
SRAM-1A	0.0-0.5	15	--	--	7	E-44
SRAM-1B	1.0-1.5	8.7	--	--		
INT-1A	0.0-0.5	8.5	--	--	8	E-5
INT-1B	1.0-1.5	4.8	--	--		
INT-2A	0.0-0.5	22	--	--	9	E-6
INT-2B	1.0-1.5	14	--	--		
INT-3A	0.0-0.5	10	--	--	9	E-6
INT-3B	1.0-1.5	7.0	--	--		
INT-4A	0.0-0.5	24	--	--	10	E-7
INT-4B	1.0-1.5	6.3	--	--		
INT-5A	0.0-0.5	12	--	--	10	E-7
INT-5B	1.0-1.5	5.2	--	--		
INT-6A	0.0-0.5	6.3	--	--	10	E-7
INT-6B	1.0-1.5	8.5	--	--		
INT-7A	0.0-0.5	6.8	--	--	10	E-7
INT-7B	1.0-1.5	5.4	--	--		
INT-8A	0.0-0.5	8.4	--	--	10	E-7
INT-8B	1.0-1.5	6.9	--	--		

Notes: Total Threshold Limit Concentration (TTLC) Lead by EPA Method 6010B in soil in milligrams per kilogram (mg/kg).
Soluble Threshold Limit Concentration (STLC) Lead by EPA Method 6010B using standard wet preparation method and deionized water wet preparation method, in micrograms per liter (ug/L).
-- = Not analyzed.

TABLE 4.
LABORATORY TEST RESULTS FOR I-580 CORRIDOR HOPYARD/DOUGHERTY ROAD, TASSAJARA/SANTA RITA ROAD, FALLON/EL CHARRO ROAD AND AIRWAY BOULEVARD INTERCHANGES

Sample Identification	Sample Depth (ft)	TTLC Lead (mg/kg)	STLC Lead (ug/L)	STLC Lead (DI Leachate) (ug/L)	Sample Location Plate	Sample Location Sheet
HOP-1A	0.0-0.5	6.8	--	--	11	E-8
HOP-1B	1.0-1.5	9.1	--	--		
HOP-2A	0.0-0.5	15	--	--	11	E-8
HOP-2B	1.0-1.5	4.1	--	--		
HOP-3A	0.0-0.5	4.3	--	--	11	E-8
HOP-3B	1.0-1.5	10	--	--		
HOP-4A	0.0-0.5	16	--	--	12	E-9
HOP-4B	1.0-1.5	13	--	--		
HOP-5A	0.0-0.5	25	--	--	12	E-9
HOP-5B	1.0-1.5	16	--	--		
HOP-6A	0.0-0.5	13	--	--	12	E-9
HOP-6B	1.0-1.5	8.4	--	--		
HOP-7A	0.0-0.5	440	1,100	3.7	12	E-9
HOP-7B	1.0-1.5	6.1	--	--		
TASS-1A	0.0-0.5	12	--	--	13	E-10
TASS-1B	1.0-1.5	11	--	--		
FALL-1A	0.0-0.5	7.3	--	--	14	E-11
FALL-1B	1.0-1.5	13	--	--		
FALL-2A	0.0-0.5	14	--	--	14	E-11
FALL-2B	1.0-1.5	8.0	--	--		
FALL-3A	0.0-0.5	4.4	--	--	14	E-11
FALL-3B	1.0-1.5	4.7	--	--		
FALL-4A	0.0-0.5	9.7	--	--	14	E-11
FALL-4B	1.0-1.5	16	--	--		
FALL-5A	0.0-0.5	7.5	--	--	15	L-2
FALL-5B	1.0-1.5	6.1	--	--		
NAIR-1A	0.0-0.5	6.2	--	--	17	E-14
NAIR-1B	1.0-1.5	4.5	--	--		
NAIR-2A	0.0-0.5	4.4	--	--	17	E-14
NAIR-2B	1.0-1.5	4.2	--	--		
NAIR-3A	0.0-0.5	3.8	--	--	17	E-14
NAIR-3B	1.0-1.5	5.6	--	--		
NAIR-4A	0.0-0.5	3.9	--	--	17	E-14
NAIR-4B	1.0-1.5	6.1	--	--		
NAIR.5A	0.0-0.5	22	--	--	17	E-14
NAIR-5B	1.0-1.5	4.0	--	--		
NAIR-6A	0.0-0.5	4.2	--	--	16	E-12
NAIR-6B	1.0-1.5	4.8	--	--		

Notes: Total Threshold Limit Concentration (TTLC) Lead by EPA Method 6010B in soil in milligrams per kilogram (mg/kg).
Soluble Threshold Limit Concentration (STLC) Lead by EPA Method 6010B using standard wet preparation method and deionized water wet preparation method, in micrograms per liter (ug/L).
-- = Not analyzed.

TABLE 5.
LABORATORY TEST RESULTS FOR I-580 CORRIDOR
PORTOLA AVENUE INTERCHANGE

Sample Identification	Sample Depth (ft)	TTLC Lead (mg/kg)	STLC Lead (ug/L)	STLC Lead (DI Leachate) (ug/L)	Sample Location Plate	Sample Location Sheet
PORT-1A	0.0-0.5	55	2,400	140	20	E-17
PORT-1B	1.0-1.5	5.3	--	--		
PORT-2A	0.0-0.5	150	**14,000**	*< 3.0*	20	E-17
PORT-2B	1.0-1.5	4.8	--	--		
PORT-3A	0.0-0.5	89	990	*< 3.0*	20	E-17
PORT-3B	1.0-1.5	19	--	--		
PORT-4A	0.0-0.5	260	**15,000**	13 b	21	E-18
PORT-4B	1.0-1.5	3.7	--	--		
PORT-5A	0.0-0.5	100	2,300	4.9 b	21	E-18
PORT-5B	1.0-1.5	3.4	--	--		
PORT-6A	0.0-0.5	180	**12,000**	3.9 b	23	E-19
PORT-6B	1.0-1.5	4.8	--	--		
PORT-7A	0.0-0.5	230	**21,000**	7.1 b	23	E-19
PORT-7B	1.0-1.5	4.5	--	--		
PORT-8A	0.0-0.5	380	**21,000**	44 b	23	E-19
PORT-8B	1.0-1.5	41	--	--		
PORT-9A	0.0-0.5	15	--	--	23	E-19
PORT-9B	1.0-1.5	9.0	--	--		
PORT-10A	0.0-0.5	**3,800**	**90,000**	*< 3.0*	21	E-18
PORT-10B	1.0-1.5	7.8	--	--		
PORT-11A	0.0-0.5	**1,100**	3,900	54 b	21	E-18
PORT-11B	1.0-1.5	5.2	--	--		
PORT-12A	0.0-0.5	8.7	--	--	20	E-17
PORT-12B	1.0-1.5	7.5	--	--		
PORT-13A	0.0-0.5	2.5	--	--	22	L-4
PORT-13B	1.0-1.5	4.4	--	--		
PORT-14A	0.0-0.5	4.5	--	--	22	L-4
PORT-14B	1.0-1.5	4.5	--	--		
PORT-15A	0.0-0.5	8.6	--	--	19	E-16
PORT-15B	1.0-1.5	48	930	*< 3.0*		
PORT-16A	0.0-0.5	130	3,600	6.3 b	19	E-16
PORT-16B	1.0-1.5	8.5	--	--		
PORT-17A	0.0-0.5	21	--	--	19	E-16
PORT-17B	1.0-1.5	3.3	--	--		
PORT-18A	0.0-0.5	16	--	--	18	E-15
PORT-18B	1.0-1.5	4.3	--	--		
PORT-19A	0.0-0.5	260	**6,900**	*< 3.0*	18	E-15
PORT-19B	1.0-1.5	19	--	--		
PORT-20A	0.0-0.5	24	--	--	18	E-15
PORT-20B	1.0-1.5	4.7	--	--		

Notes: Total Threshold Limit Concentration (TTLC) Lead by EPA Method 6010B in soil in milligrams per kilogram (mg/kg).
Soluble Threshold Limit Concentration (STLC) Lead by EPA Method 6010B using standard wet preparation method and deionized water wet preparation method, in micrograms per liter (ug/L).
-- = Not analyzed.
< 3.0 = Not detected above the laboratory method reporting limit.
b = lead detected in extraction method blank indicating contamination in the laboratory system.

TABLE 6.
LABORATORY TEST RESULTS FOR I-580 CORRIDOR
LIVERMORE AVENUE INTERCHANGE, ROUTE 84 ALONG ISABEL AVENUE AND TESLA ROAD

Sample Identification	Sample Depth (ft)	TTLC Lead (mg/kg)	STLC Lead (ug/L)	STLC Lead (DI Leachate) (ug/L)	Sample Location Plate	Sample Location Sheet
NLIV-1A	0.0-0.5	5.6	--	--	24	E-20
NLIV-1B	1.0-1.5	2.5	--	--		
NLIV-2A	0.0-0.5	5.1	--	--	24	E-20
NLIV-2B	1.0-1.5	33	--	--		
NLIV-3A	0.0-0.5	15	--	--	24	E-20
NLIV-3B	1.0-1.5	7.1	--	--		
NLIV-4A	0.0-0.5	8.0	--	--	25	E-21
NLIV-4B	1.0-1.5	8.8	--	--		
NLIV-5A	0.0-0.5	4.1	--	--	25	E-21
NLIV-5B	1.0-1.5	4.3	--	--		
NLIV-6A	0.0-0.5	4.2	--	--	25	E-21
NLIV-6B	1.0-1.5	3.2	--	--		
NLIV-7A	0.0-0.5	6.2	--	--	25	E-21
NLIV-7B	1.0-1.5	6.7	--	--		
NLIV-8A	0.0-0.5	14	--	--	26	E-22
NLIV-8B	1.0-1.5	23	--	--		
NLIV-9A	0.0-0.5	9.3	--	--	26	E-22
NLIV-9B	1.0-1.5	4.8	--	--		
NLIV-10A	0.0-0.5	9.3	--	--	26	E-22
NLIV-10B	1.0-1.5	13	--	--		
NLIV-11A	0.0-0.5	6.4	--	--	27	E-23
NLIV-11B	1.0-1.5	4.6	--	--		
NLIV-12A	0.0-0.5	35	--	--	27	E-23
NLIV-12B	1.0-1.5	6.2	--	--		
NLIV-13A	0.0-0.5	5.2	--	--	27	E-23
NLIV-13B	1.0-1.5	3.7	--	--		
NLIV-14A	0.0-0.5	14	--	--	25	E-21
NLIV-14B	1.0-1.5	10	--	--		
TESLA-1A	0.0-0.5	15	--	--	45	E-50
TESLA-1B	1.0-1.5	4.5	--	--		
TESLA-2A	0.0-0.5	36	--	--	45	E-50
TESLA-2B	1.0-1.5	5.1	--	--		
TESLA-3A	0.0-0.5	22	--	--	46	E-49
TESLA-3B	1.0-1.5	4.8	--	--		
NISA-1A	0.0-0.5	12	--	--	47	E-48
NISA-1B	1.0-1.5	6.8	--	--		
SISA-1A	0.0-0.5	8.7	--	--	48	E-47
SISA-1B	1.0-1.5	6.4	--	--		
SISA-2A	0.0-0.5	6.1	--	--	48	E-47
SISA-2B	1.0-1.5	5.2	--	--		

Notes: Total Threshold Limit Concentration (TTLC) Lead by EPA Method 6010B in soil in milligrams per kilogram (mg/kg).

Soluble Threshold Limit Concentration (STLC) Lead by EPA Method 6010B using standard wet preparation method and deionized water wet preparation method, in micrograms per liter (ug/L).

-- = Not analyzed.

TABLE 7.
LABORATORY TEST RESULTS FOR I-580 CORRIDOR
FIRST STREET INTERCHANGE

Sample Identification	Sample Depth (ft)	TTLC Lead (mg/kg)	STLC Lead (ug/L)	STLC Lead (DI Leachate) (ug/L)	Sample Location Plate	Sample Location Sheet
NFIR-1A	0.0-0.5	6.8	--	--	30	E-26
NFIR-1B	1.0-1.5	12	--	--		
NFIR-2A	0.0-0.5	4.0	--	--	30	E-26
NFIR-2B	1.0-1.5	4.4	--	--		
NFIR-3A	0.0-0.5	13	--	--	30	E-26
NFIR-3B	1.0-1.5	93	260	*< 3.0*		
NFIR-4A	0.0-0.5	19	--	--	30	E-26
NFIR-4B	1.0-1.5	6.1	--	--		
NFIR-5A	0.0-0.5	5.2	--	--	30	E-26
NFIR-5B	1.0-1.5	140	**5,800**	26		
NFIR-6A	0.0-0.5	5.4	--	--	30	E-26
NFIR-6B	1.0-1.5	5.6	--	--		
NFIR-7A	0.0-0.5	7.3	--	--	30	E-26
NFIR-7B	1.0-1.5	5.2	--	--		
NFIR-8A	0.0-0.5	4.9	--	--	29	E-25
NFIR-8B	1.0-1.5	5.6	--	--		
NFIR-9A	0.0-0.5	160	**9,700**	*< 3.0*	29	E-25
NFIR-9B	1.0-1.5	15	--	--		
NFIR-10A	0.0-0.5	240	**19,000**	22 b	28	E-24
NFIR-10B	1.0-1.5	1.8	--	--		
NFIR-11A	0.0-0.5	60	**5,600**	*< 3.0*	28	E-24
NFIR-11B	1.0-1.5	5.8	--	--		
SFIR-1A	0.0-0.5	5.7	--	--	29	E-25
SFIR-1B	1.0-1.5	3.7	--	--		
SFIR-2A	0.0-0.5	7.1	--	--	29	E-25
SFIR-2B	1.0-1.5	3.1	--	--		
SFIR-3A	0.0-0.5	11	--	--	31	E-28
SFIR-3B	1.0-1.5	6.1	--	--		
SFIR-4A	0.0-0.5	5.4	--	--	31	E-28
SFIR-4B	1.0-1.5	5.9	--	--		
SFIR-5A	0.0-0.5	20	--	--	31	E-28
SFIR-5B	1.0-1.5	6.1	--	--		
SFIR-6A	0.0-0.5	5.3	--	--	31	E-28
SFIR-6B	1.0-1.5	8.6	--	--		
SFIR-7A	0.0-0.5	37	--	--	32	E-27
SFIR-7B	1.0-1.5	5.9	--	--		
SFIR-8A	0.0-0.5	38	--	--	32	E-27
SFIR-8B	1.0-1.5	9.8	--	--		

Notes: Total Threshold Limit Concentration (TTLC) Lead by EPA Method 6010B in soil in milligrams per kilogram (mg/kg).
Soluble Threshold Limit Concentration (STLC) Lead by EPA Method 6010B using standard wet preparation method and deionized water wet preparation method, in micrograms per liter (ug/L).
-- = Not analyzed.
< 3.0 = Not detected above the laboratory method reporting limit.
b = lead detected in extraction method blank indicating contamination in the laboratory system.

TABLE 8.
LABORATORY TEST RESULTS FOR I-580 CORRIDOR NORTH VASCO ROAD AND VASCO ROAD INTERCHANGE

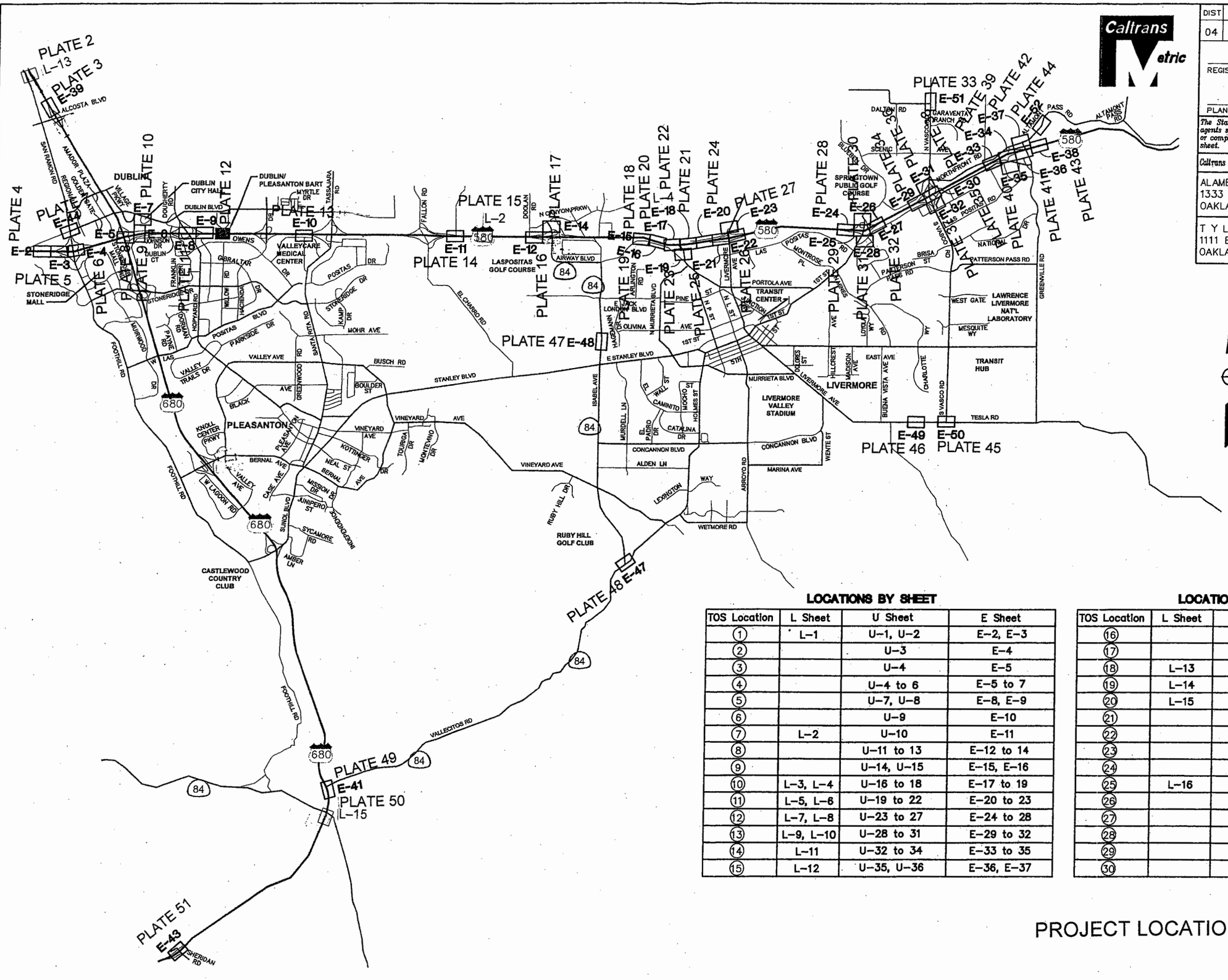
Sample Identification	Sample Depth (ft)	TTLC Lead (mg/kg)	STLC Lead (ug/L)	STLC Lead (DI Leachate) (ug/L)	Sample Location Plate	Sample Location Sheet
NVAS-1A	0.0-0.5	93	1,900	*< 3.0*	33	E-51
NVAS-1B	1.0-1.5	4.4	--	--		
NVAS-2A	0.0-0.5	16	--	--	34	E-29
NVAS-2B	1.0-1.5	8.5	--	--		
NVAS-3A	0.0-0.5	25	--	--	36	E-31
NVAS-3B	1.0-1.5	25	--	--		
NVAS-4A	0.0-0.5	22	--	--	36	E-31
NVAS-4B	1.0-1.5	40	--	--		
NVAS-5A	0.0-0.5	23	--	--	36	E-31
NVAS-5B	1.0-1.5	7.4	--	--		
NVAS-6A	0.0-0.5	8.9	--	--	36	E-31
NVAS-6B	1.0-1.5	5.7	--	--		
NVAS-7A	0.0-0.5	19	--	--	36	E-31
NVAS-7B	1.0-1.5	15	--	--		
NVAS-8A	0.0-0.5	6.2	--	--	36	E-31
NVAS-8B	1.0-1.5	8.6	--	--		
NVAS-9A	0.0-0.5	17	--	--	36	E-31
NVAS-9B	1.0-1.5	41	--	--		
NVAS-10A	0.0-0.5	7.3	--	--	36	E-31
NVAS-10B	1.0-1.5	6.1	--	--		
NVAS-11A	0.0-0.5	13	--	--	35	E-30
NVAS-11B	1.0-1.5	18	--	--		
NVAS-12A	0.0-0.5	11	--	--	35	E-30
NVAS-12B	1.0-1.5	6.5	--	--		
NVAS-13A	0.0-0.5	14	--	--	35	E-30
NVAS-13B	1.0-1.5	7.9	--	--		
NVAS-14A	0.0-0.5	22	--	--	35	E-30
NVAS-14B	1.0-1.5	9.7	--	--		
SVAS-1A	0.0-0.5	21	--	--	37	E-32
SVAS-1B	1.0-1.5	50	630	*< 15*		
SVAS-2A	0.0-0.5	8.0	--	--	37	E-32
SVAS-2B	1.0-1.5	4.9	--	--		
SVAS-3A	0.0-0.5	17	--	--	37	E-32
SVAS-3B	1.0-1.5	4.2	--	--		
SVAS-4A	0.0-0.5	20	--	--	37	E-32
SVAS-4B	1.0-1.5	14	--	--		
SVAS-5A	0.0-0.5	93	1,400	4.2 b	37	E-32
SVAS-5B	1.0-1.5	6.4	--	--		
SVAS-6A	0.0-0.5	20	--	--	35	E-30
SVAS-6B	1.0-1.5	15	--	--		
SVAS-7A	0.0-0.5	22	--	--	35	E-30
SVAS-7B	1.0-1.5	9.9	--	--		

Notes: Total Threshold Limit Concentration (TTLC) Lead by EPA Method 6010B in soil in milligrams per kilogram (mg/kg).
Soluble Threshold Limit Concentration (STLC) Lead by EPA Method 6010B using standard wet preparation method and deionized water wet preparation method, in micrograms per liter (ug/L).
-- = Not analyzed.
< 3.0 = Not detected above the laboratory method reporting limit.
b = lead detected in extraction method blank indicating contamination in the laboratory system.

TABLE 9.
LABORATORY TEST RESULTS FOR I-580 CORRIDOR GREENVILLE ROAD INTERCHANGE AND ALTAMONT PASS ROAD

Sample Identification	Sample Depth (ft)	TTLC Lead (mg/kg)	STLC Lead (ug/L)	STLC Lead (DI Leachate) (ug/L)	Sample Location Plate	Sample Location Sheet
NGRN-1A	0.0-0.5	17	--	--	43	E-38
NGRN-1B	1.0-1.5	160	**13,000**	300		
NGRN-2A	0.0-0.5	5.3	--	--	43	E-38
NGRN-2B	1.0-1.5	510	**7,100**	110		
NGRN-3A	0.0-0.5	740	**30,000**	*< 3.0*	43	E-38
NGRN-3B	1.0-1.5	380	**33,000**	450		
NGRN-4A	0.0-0.5	49	**80,000**	160	41	E-36
NGRN-4B	1.0-1.5	24	--	--		
NGRN-5A	0.0-0.5	98	**15,000**	22 b	41	E-36
NGRN-5B	1.0-1.5	16	--	--		
NGRN-6A	0.0-0.5	18	--	--	41	E-36
NGRN-6B	1.0-1.5	2.4	--	--		
NGRN-7A	0.0-0.5	7.6	--	--	41	E-36
NGRN-7B	1.0-1.5	5.3	--	--		
NGRN-8A	0.0-0.5	140	1,300	*< 3.0*	41	E-36
NGRN-8B	1.0-1.5	10	--	--		
NGRN-9A	0.0-0.5	8.7	--	--	42	E-37
NGRN-9B	1.0-1.5	3.5	--	--		
NGRN-10A	0.0-0.5	15	--	--	42	E-37
NGRN-10B	1.0-1.5	6.8	--	--		
NGRN-11A	0.0-0.5	8.1	--	--	42	E-37
NGRN-11B	1.0-1.5	6.1	--	--		
NGRN-12A	0.0-0.5	8.1	--	--	42	E-37
NGRN-12B	1.0-1.5	5.8	--	--		
ALTR-1A	0.0-0.5	5.5	--	--	44	E-52
ALTR-1B	1.0-1.5	5.1	--	--		
SGRN-1A	0.0-0.5	12	--	--	38	E-33
SGRN-1B	1.0-1.5	6.0	--	--		
SGRN-2A	0.0-0.5	20	--	--	39	E-34
SGRN-2B	1.0-1.5	5.5	--	--		
SGRN-3A	0.0-0.5	7.6	--	--	39	E-34
SGRN-3B	1.0-1.5	6.2	--	--		
SGRN-4A	0.0-0.5	9.1	--	--	40	E-35
SGRN-4B	1.0-1.5	5.5	--	--		
SGRN-5A	0.0-0.5	3.5	--	--	39	E-34
SGRN-5B	1.0-1.5	7.7	--	--		
SGRN-6A	0.0-0.5	2.5	--	--	39	E-34
SGRN-6B	1.0-1.5	7.1	--	--		
SGRN-7A	0.0-0.5	7.9	--	--	43	E-38
SGRN-7B	1.0-1.5	8.1	--	--		

Notes: Total Threshold Limit Concentration (TTLC) Lead by EPA Method 6010B in soil in milligrams per kilogram (mg/kg).
Soluble Threshold Limit Concentration (STLC) Lead by EPA Method 6010B using standard wet preparation method and deionized water wet preparation method, in micrograms per liter (ug/L).
-- = Not analyzed.
< 3.0 = Not detected above the laboratory method reporting limit.
b = lead detected in extraction method blank indicating contamination in the laboratory system.



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala, CC	84, 580 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

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.

REGISTERED PROFESSIONAL ENGINEER
James T. Pun
No. C35305
Exp. 09/30/07
CIVIL
STATE OF CALIFORNIA

Caltrans now has a website! To get to the website, go to: http://www.dot.ca.gov

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers

LOCATIONS BY SHEET

TOS Location	L Sheet	U Sheet	E Sheet
1	L-1	U-1, U-2	E-2, E-3
2		U-3	E-4
3		U-4	E-5
4		U-4 to 6	E-5 to 7
5		U-7, U-8	E-8, E-9
6		U-9	E-10
7	L-2	U-10	E-11
8		U-11 to 13	E-12 to 14
9		U-14, U-15	E-15, E-16
10	L-3, L-4	U-16 to 18	E-17 to 19
11	L-5, L-6	U-19 to 22	E-20 to 23
12	L-7, L-8	U-23 to 27	E-24 to 28
13	L-9, L-10	U-28 to 31	E-29 to 32
14	L-11	U-32 to 34	E-33 to 35
15	L-12	U-35, U-36	E-36, E-37

LOCATIONS BY SHEET (Continued)

TOS Location	L Sheet	U Sheet	E Sheet
16		U-37	E-38
17		U-38	E-39
18	L-13	U-39	E-40
19	L-14	U-40	E-41
20	L-15	U-41	E-42
21		U-42	E-43
22		U-43	E-44
23		U-44	E-45
24		U-45	E-46
25	L-16	U-46	E-47
26		U-47	E-48
27		U-48	E-49
28		U-49	E-50
29		U-50	E-51
30		U-51	E-52

PROJECT LOCATION AND KEY MAP

NO SCALE

PLATE 1 K-1

STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN OVERSIGHT: STEPHEN HAAS

CALCULATED/ DESIGNED BY	MOJ	DATE 01/06	REVISED BY
CHECKED BY	JTP	01/06	DATE REVISED

For complete R/W and accurate access data, see R/W Record Maps at District Office.

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET L-1

Caltrans Metric

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala, CC	84, 580 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James T. Pan No. C35305 Exp. 09/30/07 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.

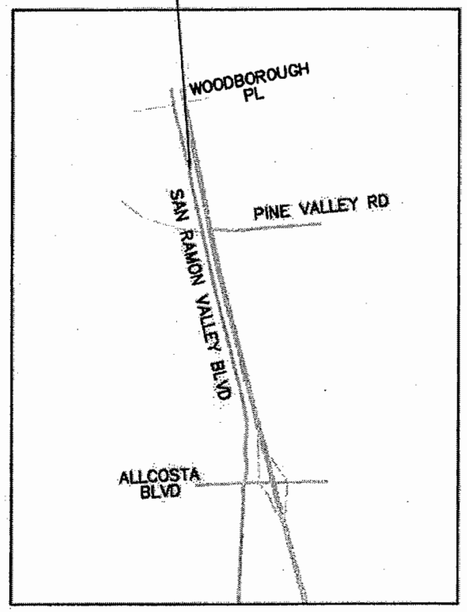
Caltrans now has a website! To get to the website, go to: http://www.dot.ca.gov

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers

LOCATION 18



KEY MAP
N.T.S.

ALCO-2 ⌖ Sample Location and Designation

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

LAYOUT
(LOCATION 18)

SCALE: 1:500

PLATE 2
L-13

STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: STEPHEN HAAS

CALCULATED/DESIGNED BY: MOJ
CHECKED BY: JTP

DATE	REVISED BY	DATE	REVISED
01/06		01/06	

AST REVISION:

FILE: P:\320076\Sheets\WB-TOS\580L-13WB.dwg

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKHOFF No. 63058 Exp. 6/30/06 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.

Caltrans now has a website! To get to the website, go to: http://www.dot.ca.gov

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers

ALCO-1

Sample Location and Designation

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

TRAFFIC OPERATIONS SYSTEM (LOCATION 17)

SCALE: 1:500

PLATE 3
E-39

CALCULATED/ DESIGNED BY	---	01/06	REVISED BY
CHECKED BY	---	01/06	DATE REVISED

DESIGN OVERSIGHT

STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION

Caltrans

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

DATE PLOTTED => 01-AUG-2005

LAST REVISION

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SUZANNE L. LUCKJIFF
No. C063058
Exp. 6/30/06
CIVIL
STATE OF CALIFORNIA

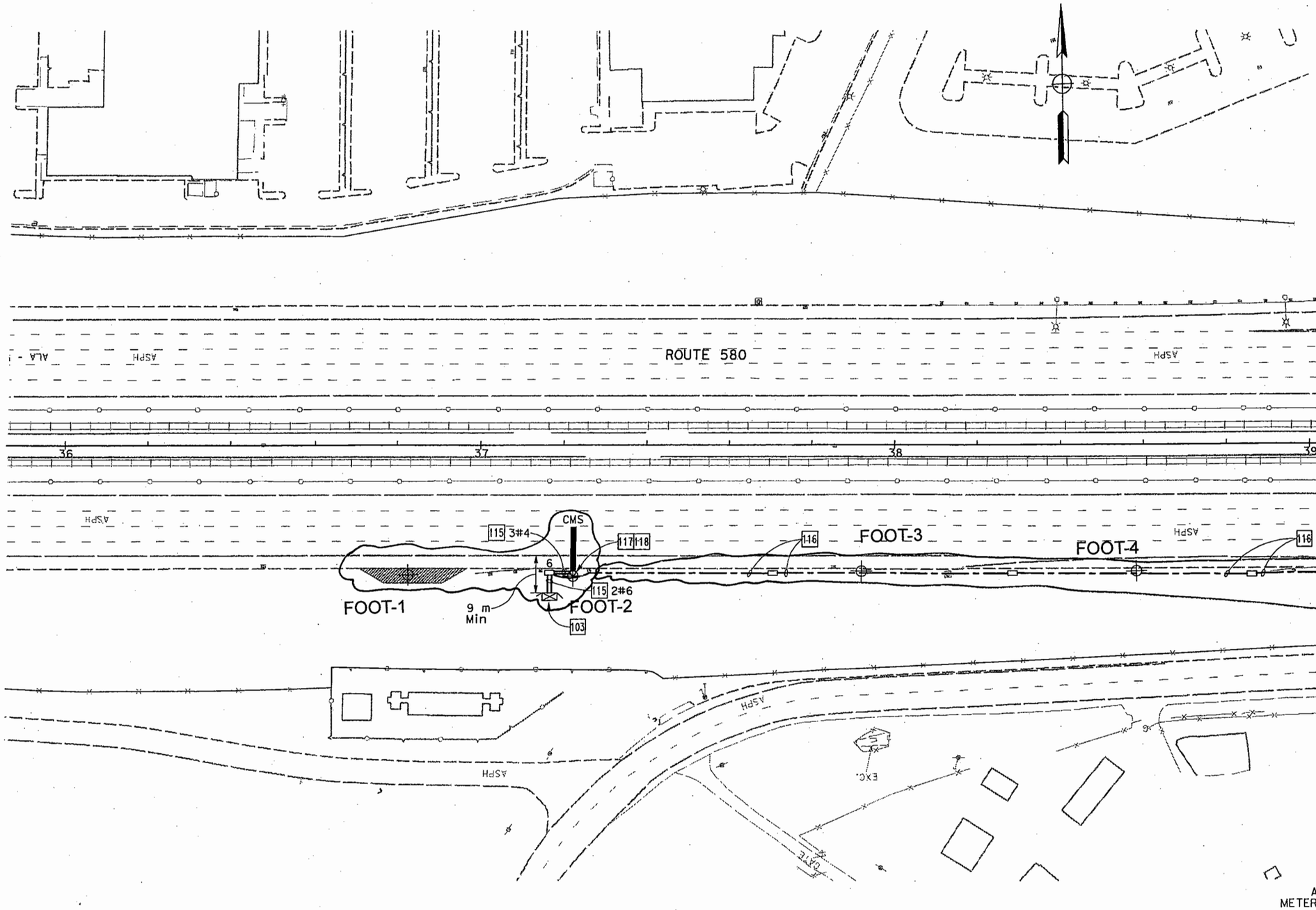
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers



See sheet E-3

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOOT-1 ⊕ Sample Location and Designation

95% SUBMITTAL

TRAFFIC OPERATIONS SYSTEM (LOCATION 1)

SCALE 1:500

PLATE 4
E-2

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

	DATE	REVISED BY
CALCULATED/DESIGNED BY	---	01/06
CHECKED BY	---	01/06

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

LAST REVISION 00-00-00

FILE: P:\320076\Sheets\WB-TOS\580E-2WB.dgn

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

Caltrans Metric

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

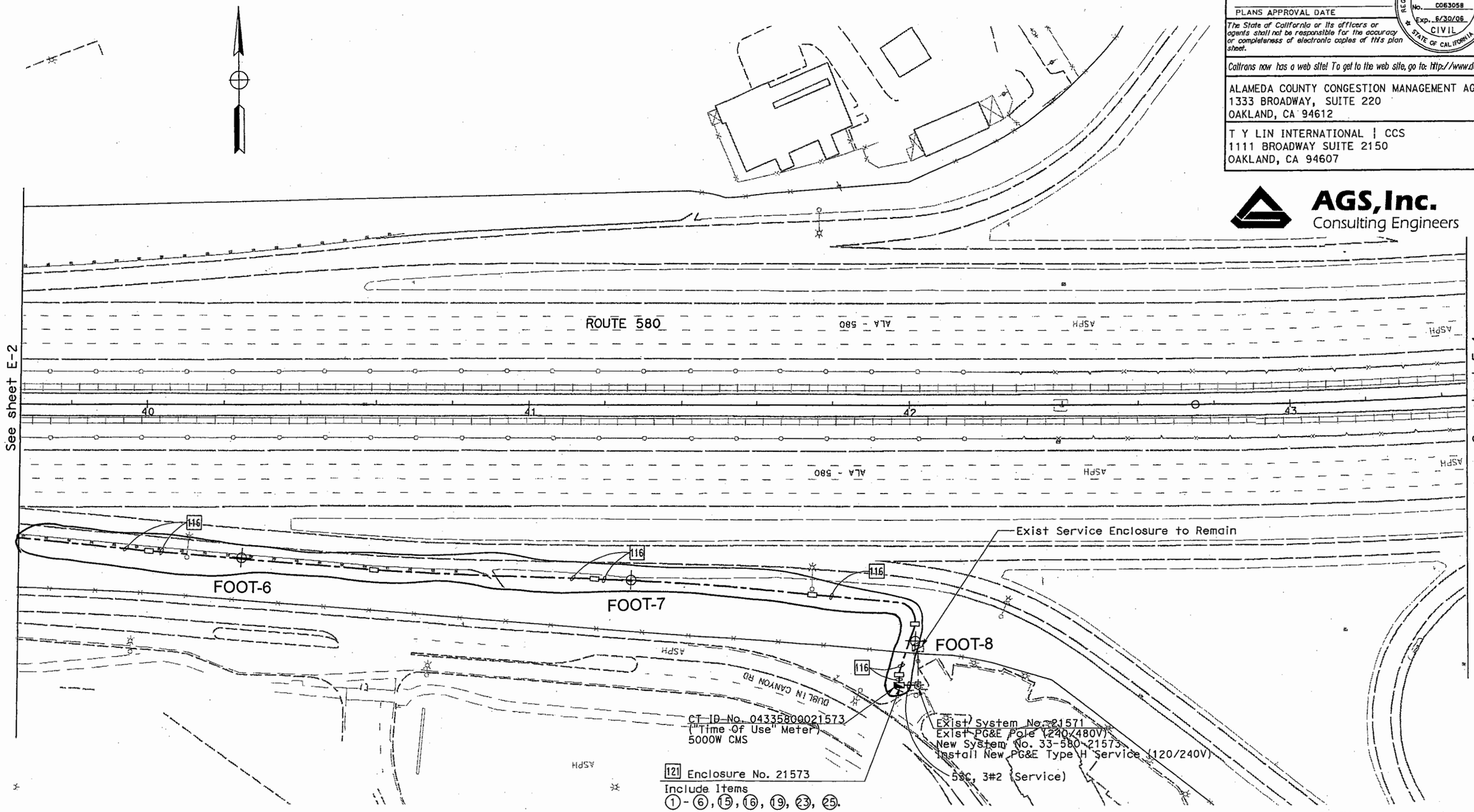
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOOT-8

Sample Location and Designation

95% SUBMITTAL

TRAFFIC OPERATIONS SYSTEM (LOCATION 1)

SCALE 1:500

PLATE 5
E-3

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN OVERSIGHT

CALCULATED/DESIGNED BY --- DATE 01/06 REVISED BY

CHECKED BY --- 01/06 DATE REVISED

FILE: P:\320076\Sheets\WB-TOS\580E-3WB.dgn

LAST REVISION 00-00-00

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

CU 04258

EA 290801

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

Caltrans Metric

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

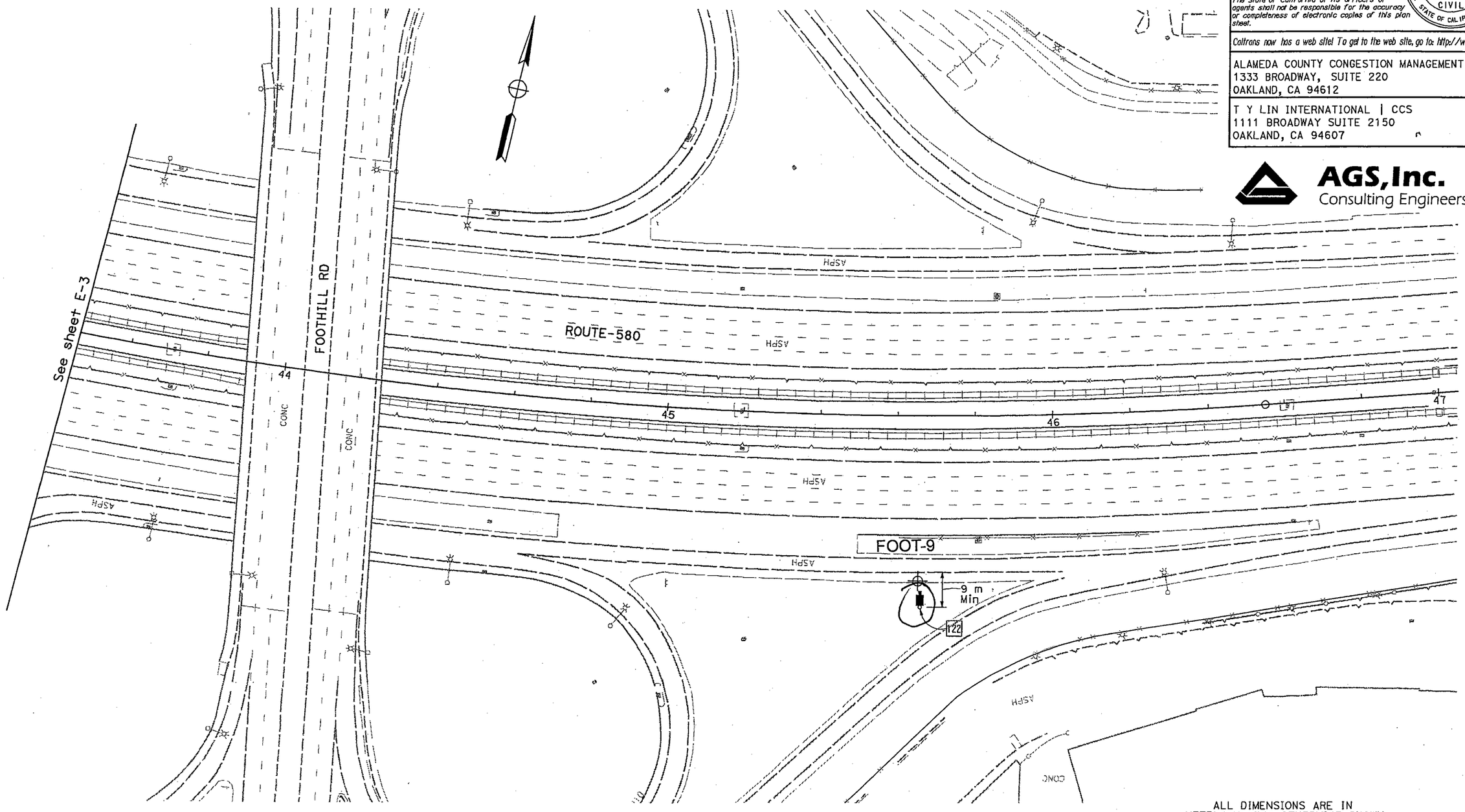
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers



FOOT-9

Sample Location and Designation

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

95% SUBMITTAL

TRAFFIC OPERATIONS SYSTEM (LOCATION 2)

SCALE 1:500

PLATE 6
E-4

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

CALCULATED/ DESIGNED BY	---	DATE 01/06 REVISED BY
CHECKED BY	---	01/06 DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN OVERSIGHT
Caltrans

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

CU 04358

EA 290801

LAST REVISION 00-00-00

FILE: P:\320076\Sheets\WB-TOS\580E-4WB.dgn
DATE: 06-Feb-06 15:33

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

Caltrans Metric

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

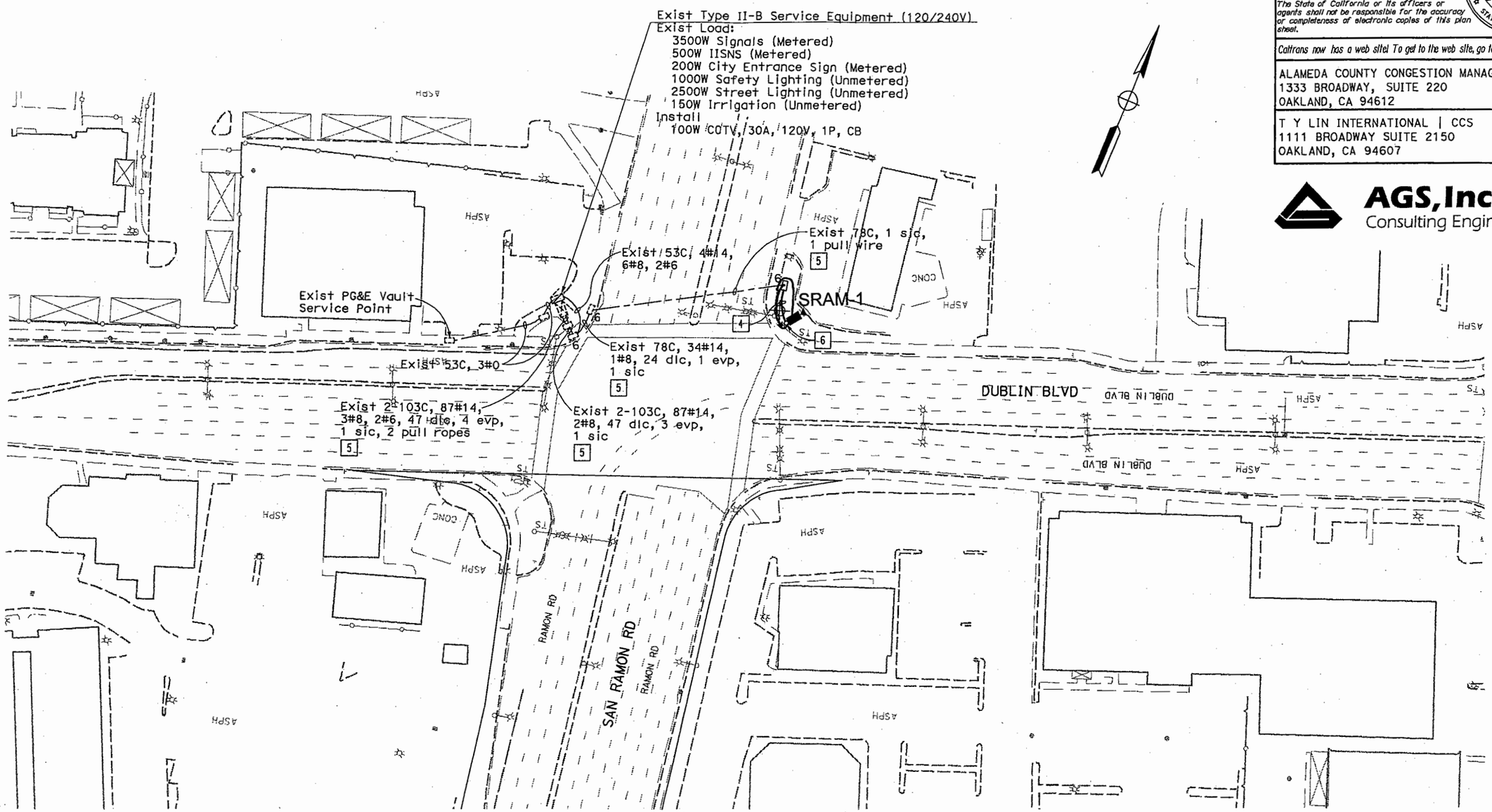
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers



SRAM-1
Sample Location and Designation

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (CITY STREET) (LOCATION 22)

SCALE 1:500

PLATE 7
E-44

95% SUBMITTAL

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT

CALCULATED/ DESIGNED BY	DATE	REVISED BY
CHECKED BY	DATE REVISED	

FILE: P:\320076\Sheets\WB-TOS\580E-44WB.dgn
DATE: 07-Feb-06 11:08
LAST REVISION 00-00-00

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80
USERNAME => $USER
CU 04258
EA 290801

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LOCKHIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

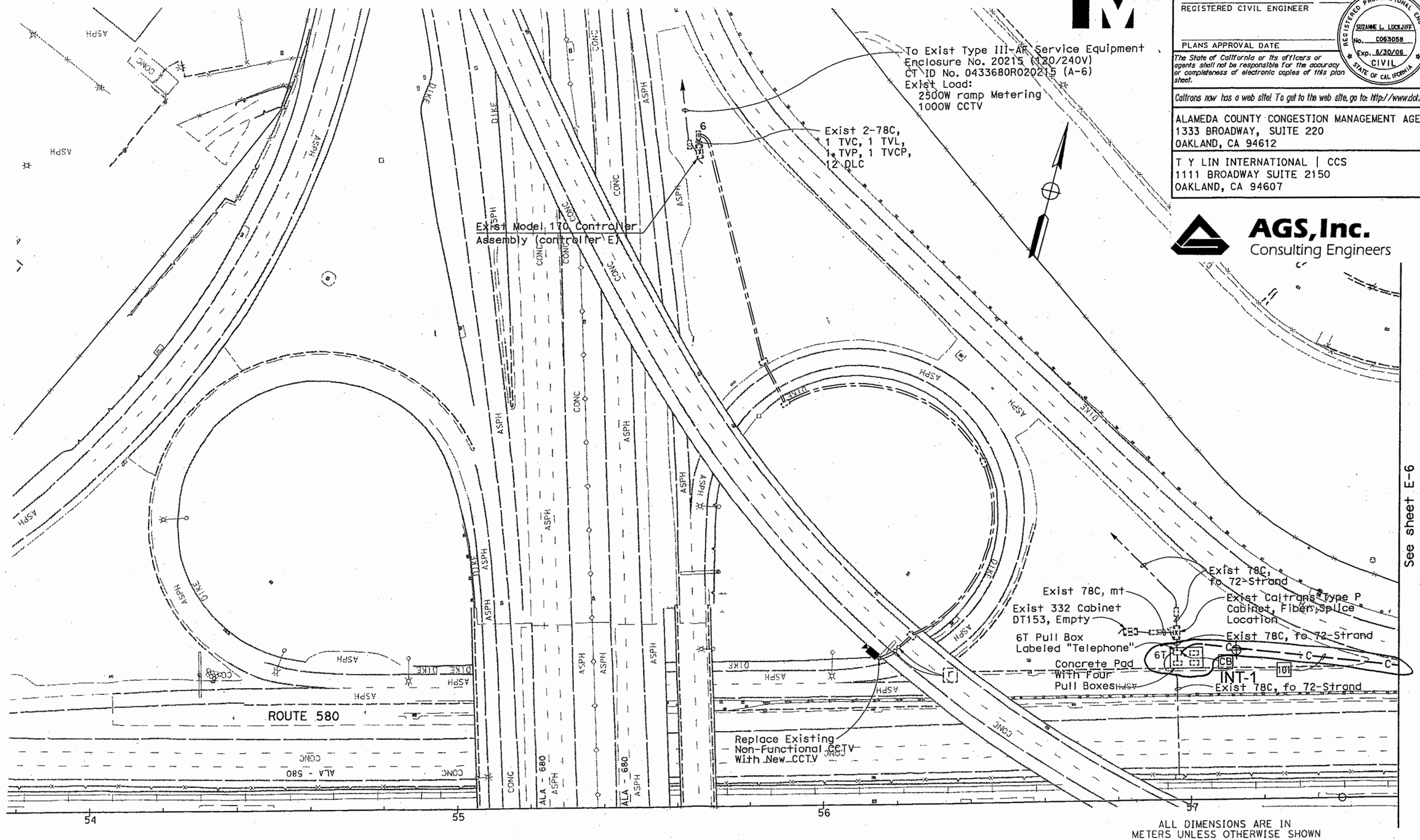
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

INT-1 ⊕ Sample Location and Designation

95% SUBMITTAL

TRAFFIC OPERATIONS SYSTEM (LOCATION 3 & 4)

SCALE 1:500

PLATE 8
E-5

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: STEPHEN HAAS

CALCULATED/DESIGNED BY: --- DATE: 01/06 REVISED BY
CHECKED BY: --- 01/06 DATE REVISED

LAST REVISION 00-00-00 FILE: P:\320076\Sheets\WB-TOS\580E-5WB.dgn

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80 USERNAME => $USER

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SUZANNE L. LUCKJIFF
No. C063058
Exp. 6/30/06
CIVIL
STATE OF CALIFORNIA

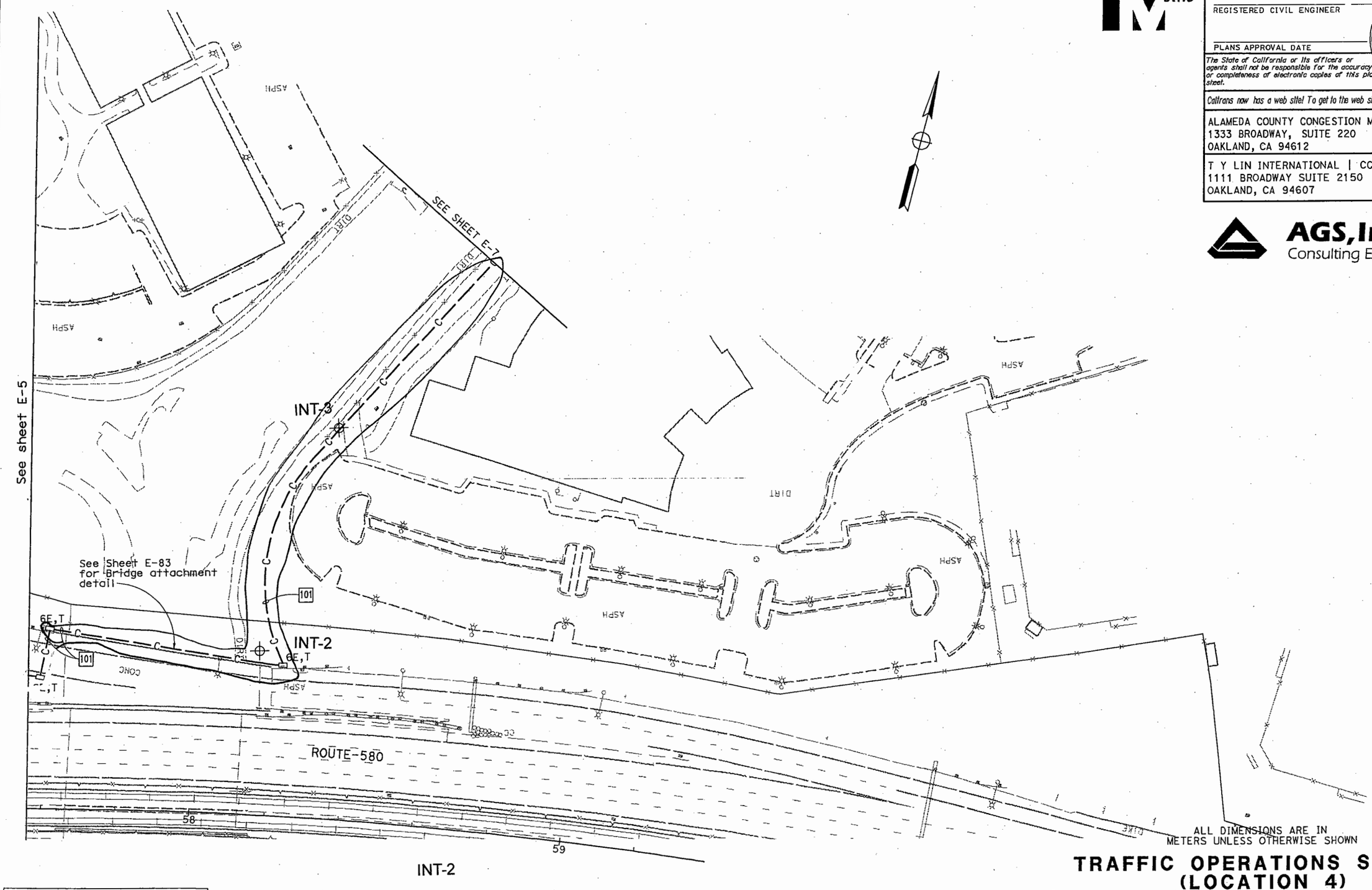
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 4)

SCALE 1:500

PLATE 9
E-6

95% SUBMITTAL

INT-2 Sample Location and Designation

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

	DATE	REVISED BY
CALCULATED/DESIGNED BY	---	01/06
CHECKED BY	---	01/06
	DATE	REVISED

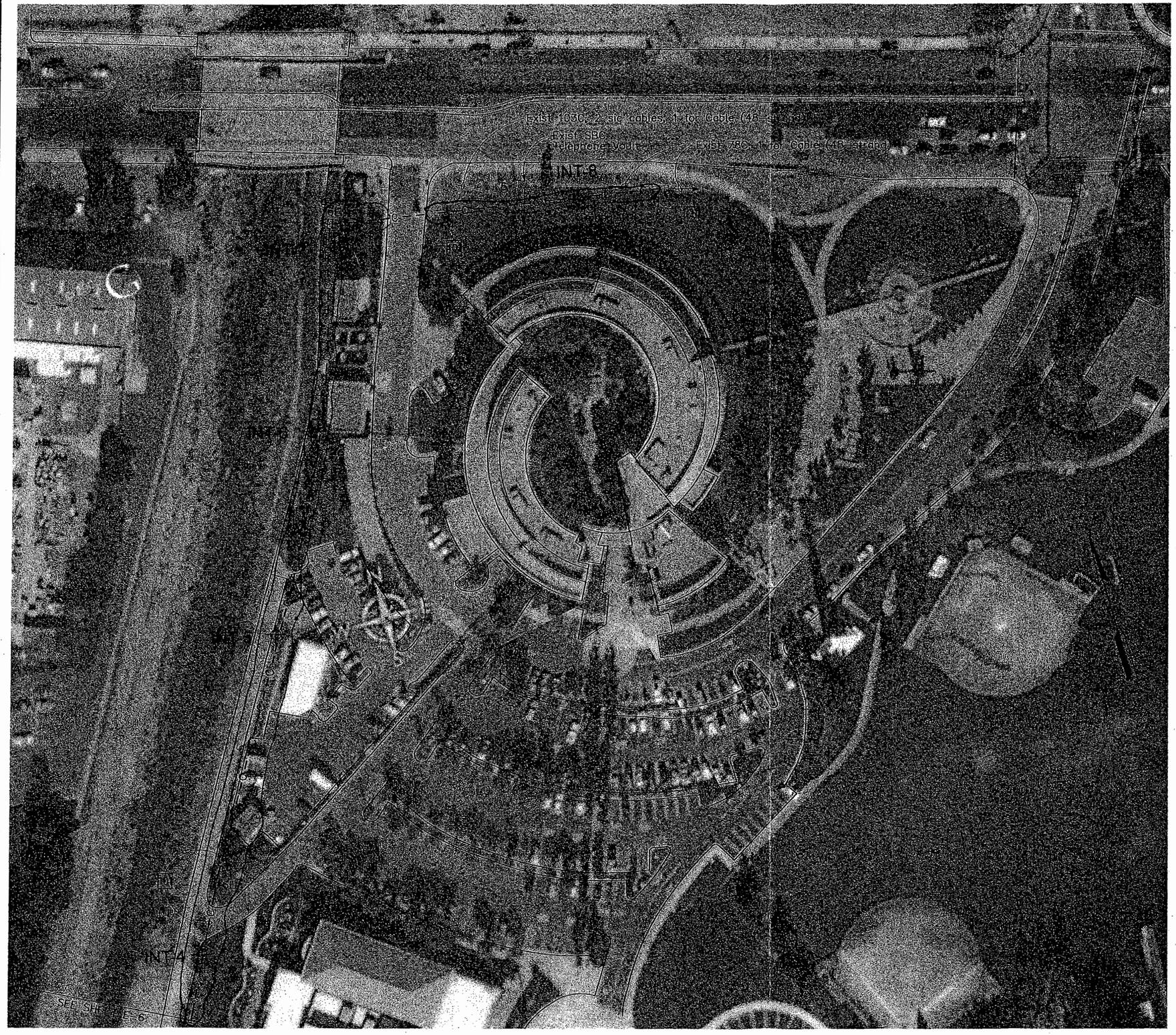
DESIGN OVERSIGHT
STEPHEN HAAS

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

FILE: P:\320076\Sheets\WB-TOS\580E-6WB.dgn

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER



Caltrans Metric

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJFE No. 63058 Exp. 6/30/06 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.

Caltrans now has a website! To get to the website, go to: http://www.dot.ca.gov

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers

INT-5

Sample Location and Designation

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

TRAFFIC OPERATIONS SYSTEM (LOCATION 4)

SCALE: 1:500

PLATE 10
E-7

CALCULATED/ DESIGNED BY	---	01/06	REVISED BY
CHECKED BY	---	01/06	DATE REVISED

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

LAST REVISION 00 00 00

P:\320076\Sheets\WB-TOS\S60E-7WB.dwg 2-07-06 01:43:04 PM kouyang

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 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.

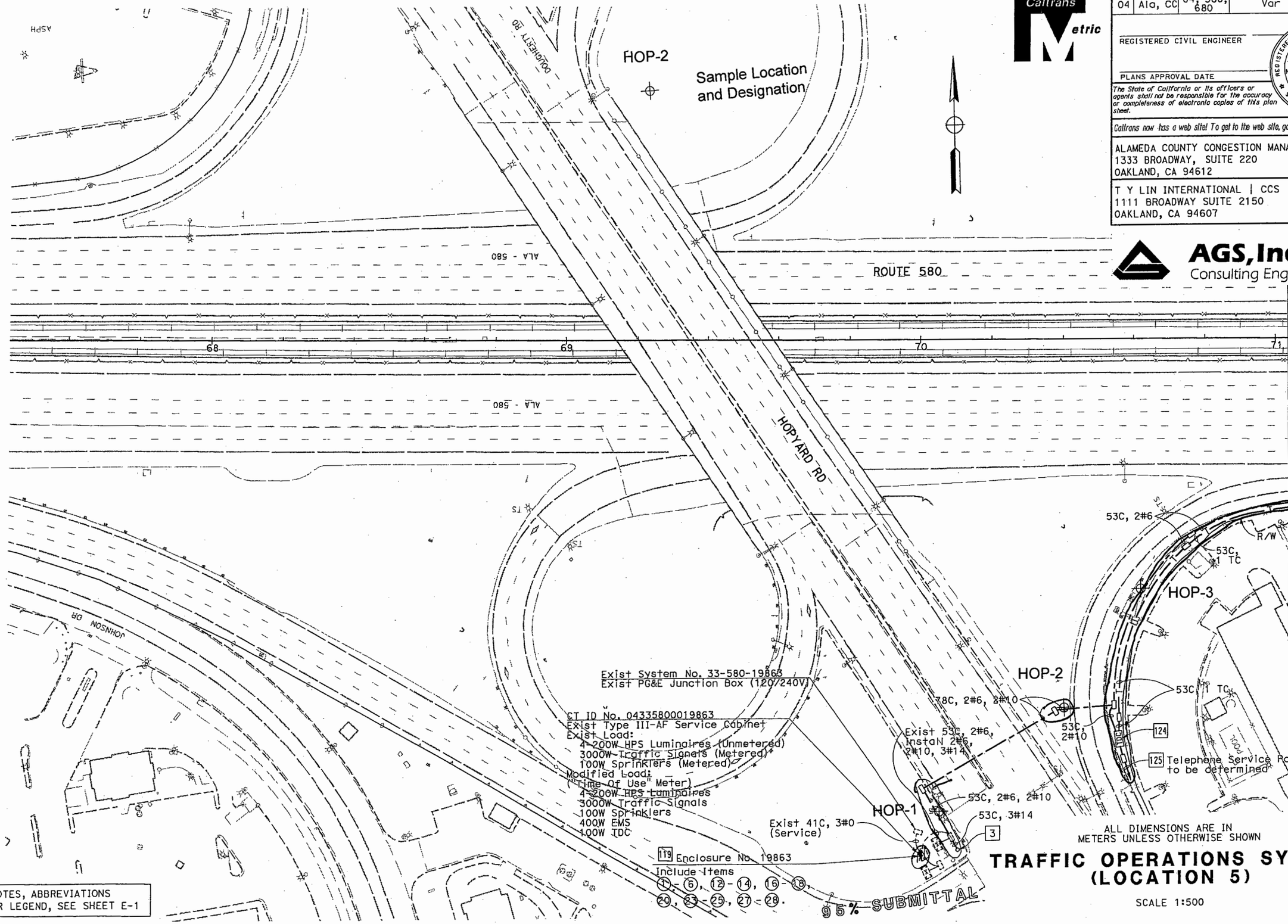
Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.gov

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

Caltrans Metric

AGS, Inc. Consulting Engineers



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 5)

SCALE 1:500

PLATE 11
E-8

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

CALCULATED/ DESIGNED BY	DATE	REVISED BY
CHECKED BY	DATE REVISED	

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

FILE: P:\320076\Sheets\WB-TOS\580E-8WB.dgn

LAST REVISION 00-00-00

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 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.

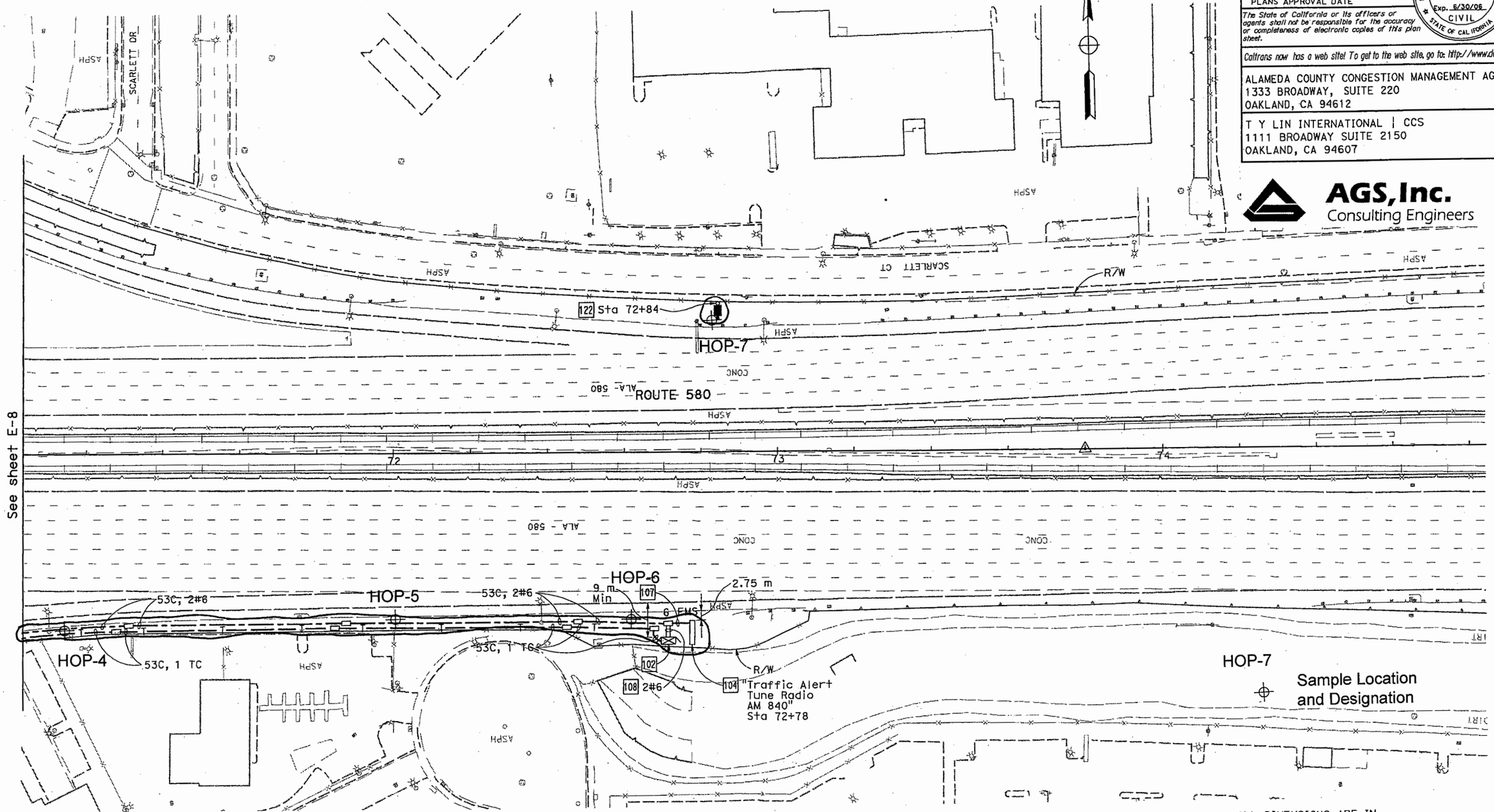
Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.gov

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers

Caltrans Metric



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 5)

SCALE 1:500

PLATE 12
E-9

95% SUBMITTAL

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

CALCULATED/ DESIGNED BY	DATE	REVISED BY
CHECKED BY	DATE	DATE REVISED

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

FILE: P:\320076\Sheets\WB-TOS\580E-9WB.dgn

LAST REVISION

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

CU 04258

EA 290801

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 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.

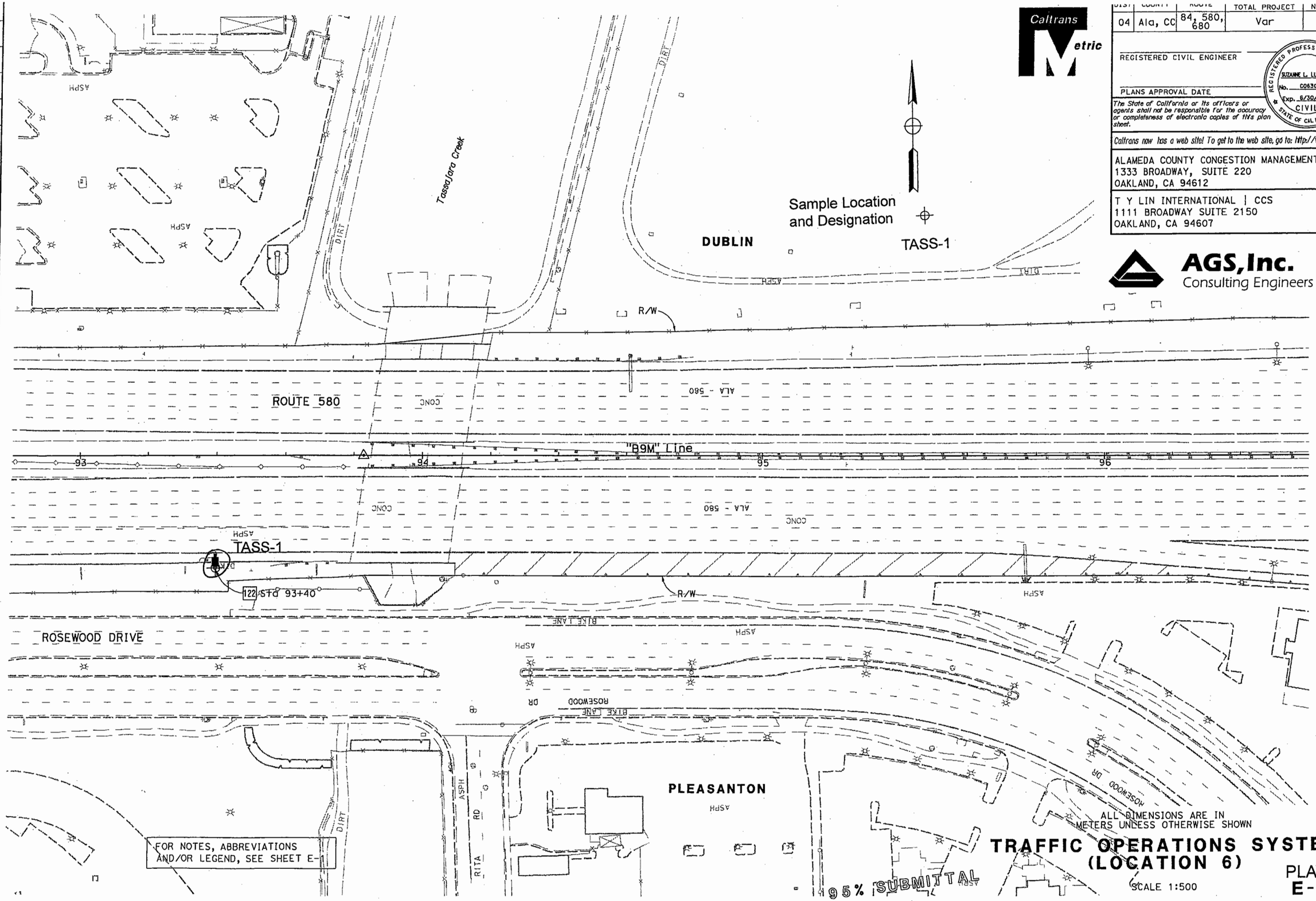
Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.gov

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers

Caltrans Metric



FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

95% SUBMITTAL

TRAFFIC OPERATIONS SYSTEM (LOCATION 6)

SCALE 1:500

PLATE 13
E-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT

CALCULATED/DESIGNED BY ---
CHECKED BY ---

DATE 01/06 REVISED BY
01/06 DATE REVISED

FILE: P:\320076\Sheets\WB-TOS\580E-10WB.dgn

LAST REVISION

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

CU 04258

EA 290801

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SUZANNE L. LUCKIFF — No. C063058 — Exp. 6/30/06 — CIVIL — STATE OF CALIFORNIA

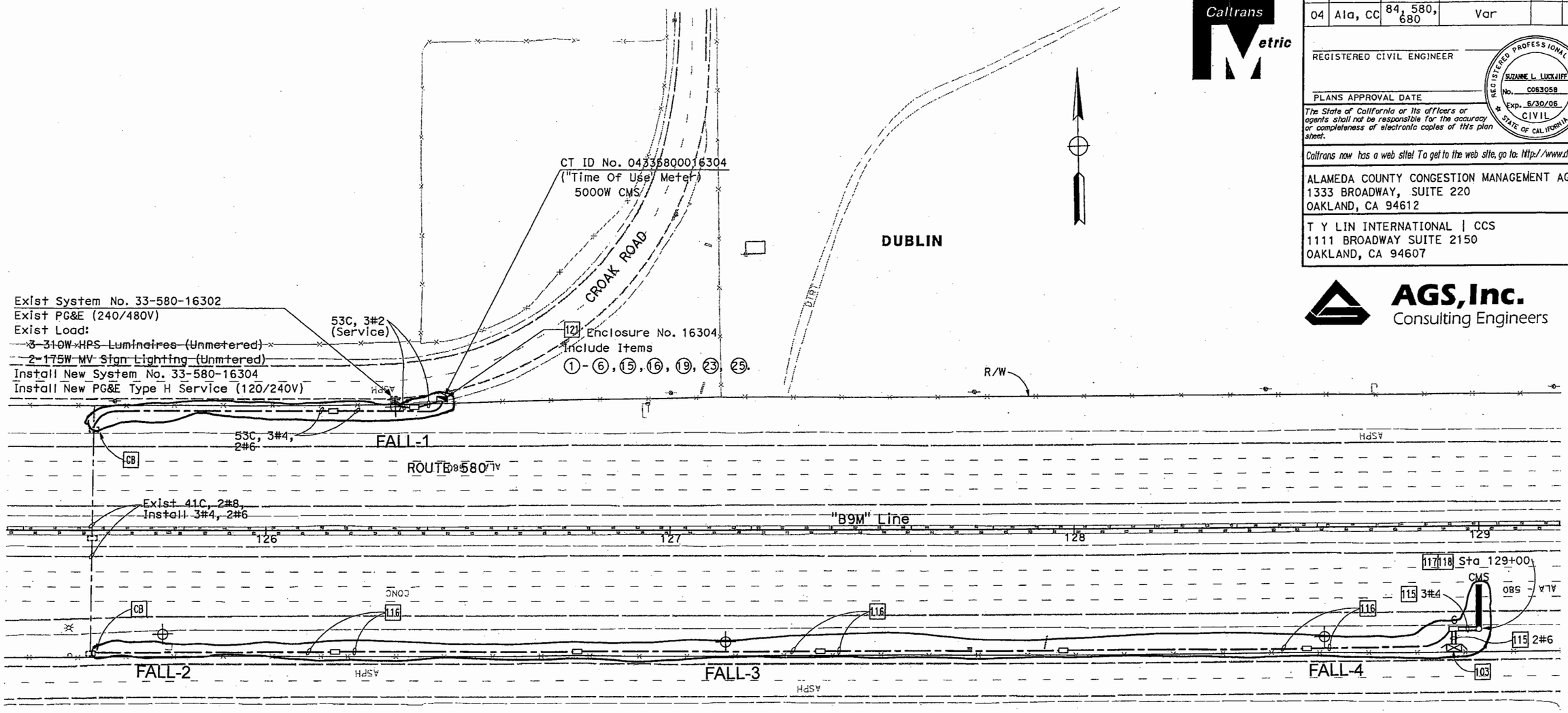
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers



LIVERMORE

FALL-1

Sample Location and Designation

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM

SCALE 1:500

PLATE 14
E-11

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

95% SUBMITTAL

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN OVERSIGHT

CALCULATED/DESIGNED BY | CHECKED BY | DATE | REVISED BY | DATE REVISED

LAST REVISION | FILE: P:\320076\Sheets\WB-TOS\580E-11WB.dgn

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80 | USERNAME => $USER | CU 04258 | EA

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — James T. Pun — No. C35305 — Exp. 09/30/07 — 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.

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

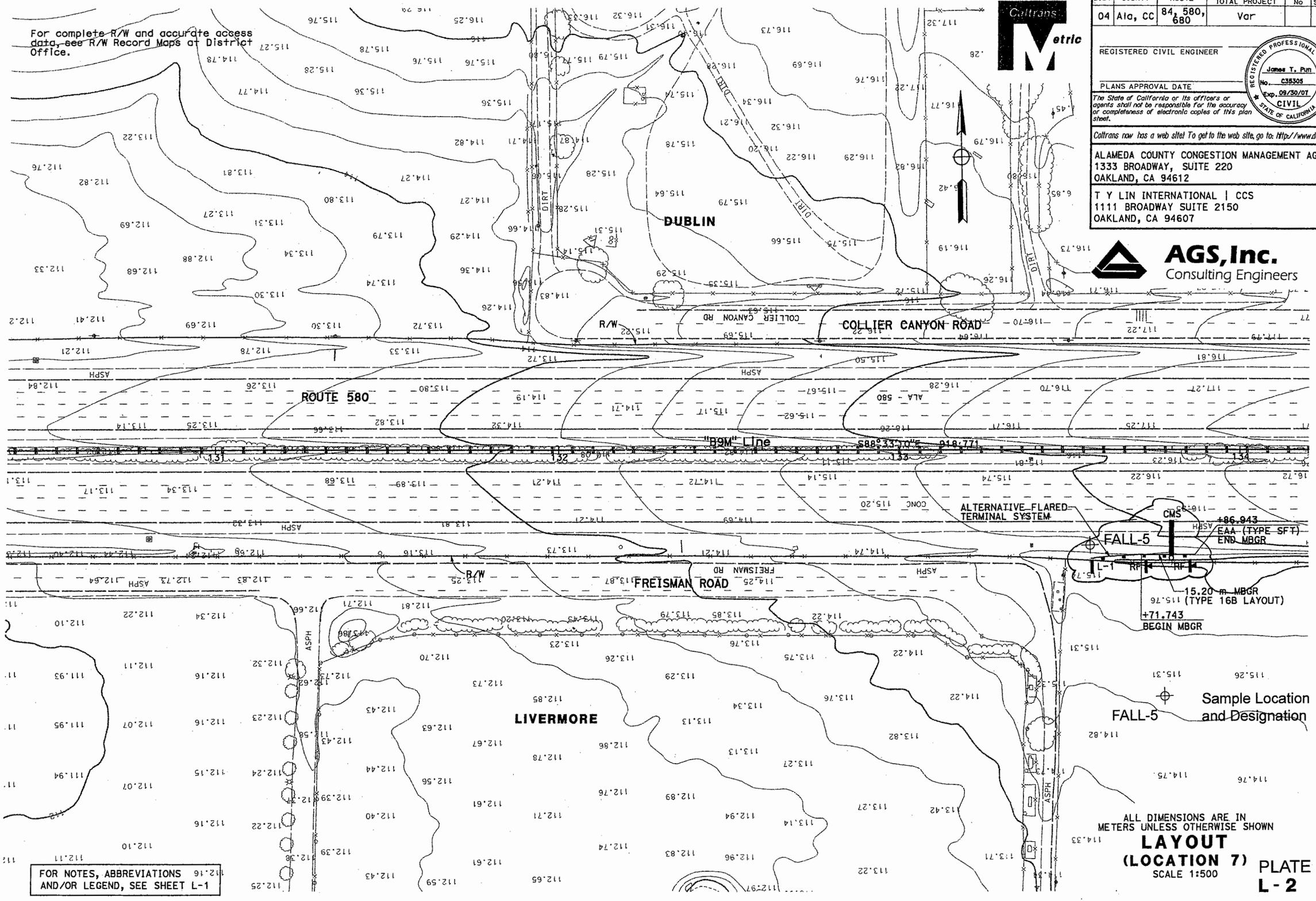
ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers

Caltrans Metric

For complete R/W and accurate access data, see R/W Record Maps at District Office.



FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET L-1

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

LAYOUT (LOCATION 7)

SCALE 1:500

PLATE 15

L - 2

REVISED BY	DATE REVISED

CALCULATED/DESIGNED BY	DATE
MOJ	01/06
CHECKED BY	DATE
JTP	01/06

DESIGN OVERSIGHT
STEPHEN HAAS

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION FILE: P:\320076\Sheets\WR-TOS\5801-02WR.dgn

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

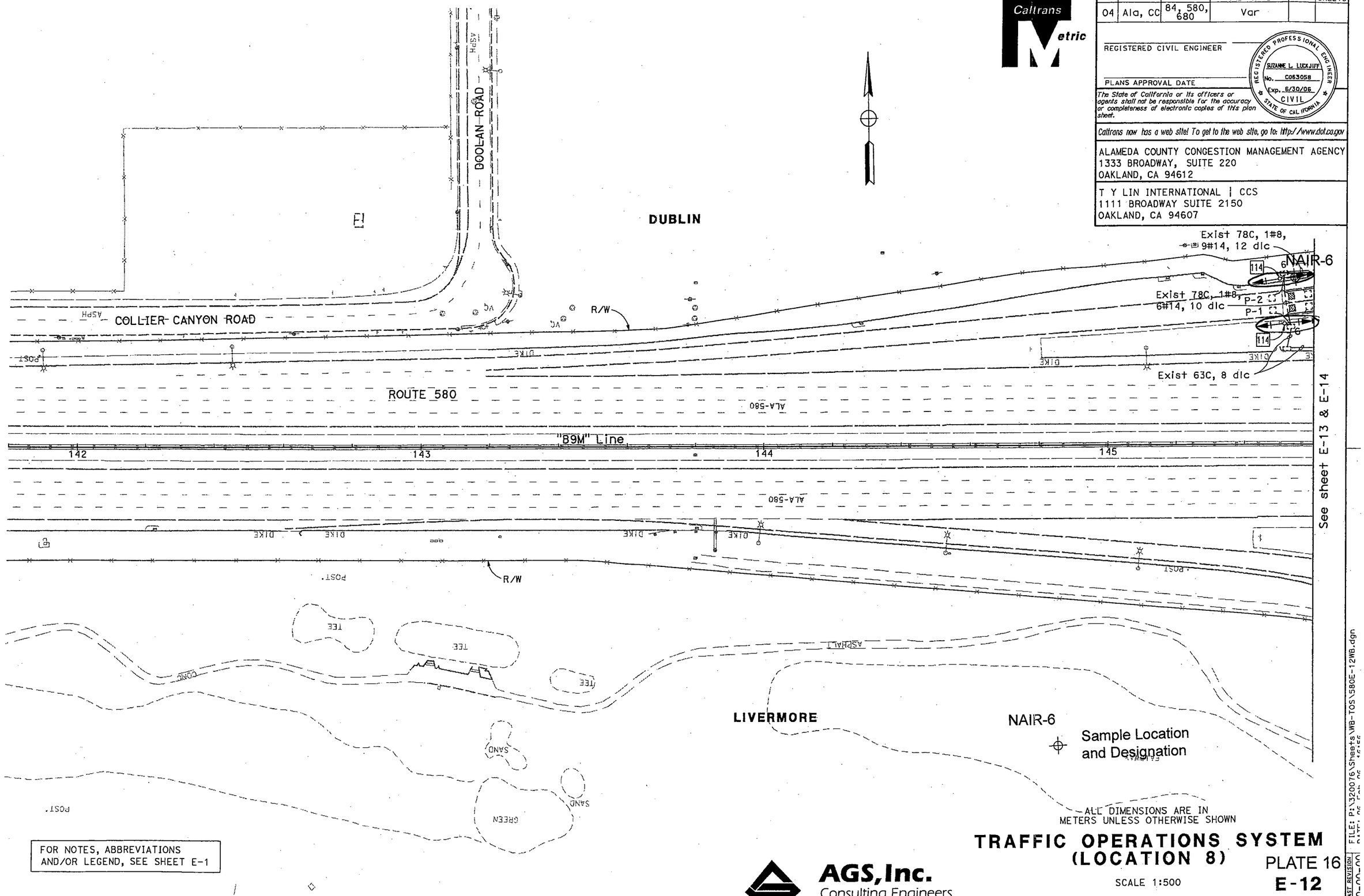
REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

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.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607



FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

TRAFFIC OPERATIONS SYSTEM (LOCATION 8)

SCALE 1:500

AGS, Inc. Consulting Engineers

PLATE 16
E-12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT

CALCULATED/ DESIGNED BY	DATE	REVISED BY	CHECKED BY	DATE	REVISED
---	01/06		---	01/06	

FILE: P:\320076\Sheets\WB-TOS\580E-12WB.dgn

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 20 40 60 80

USERNAME => $USER

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKOFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

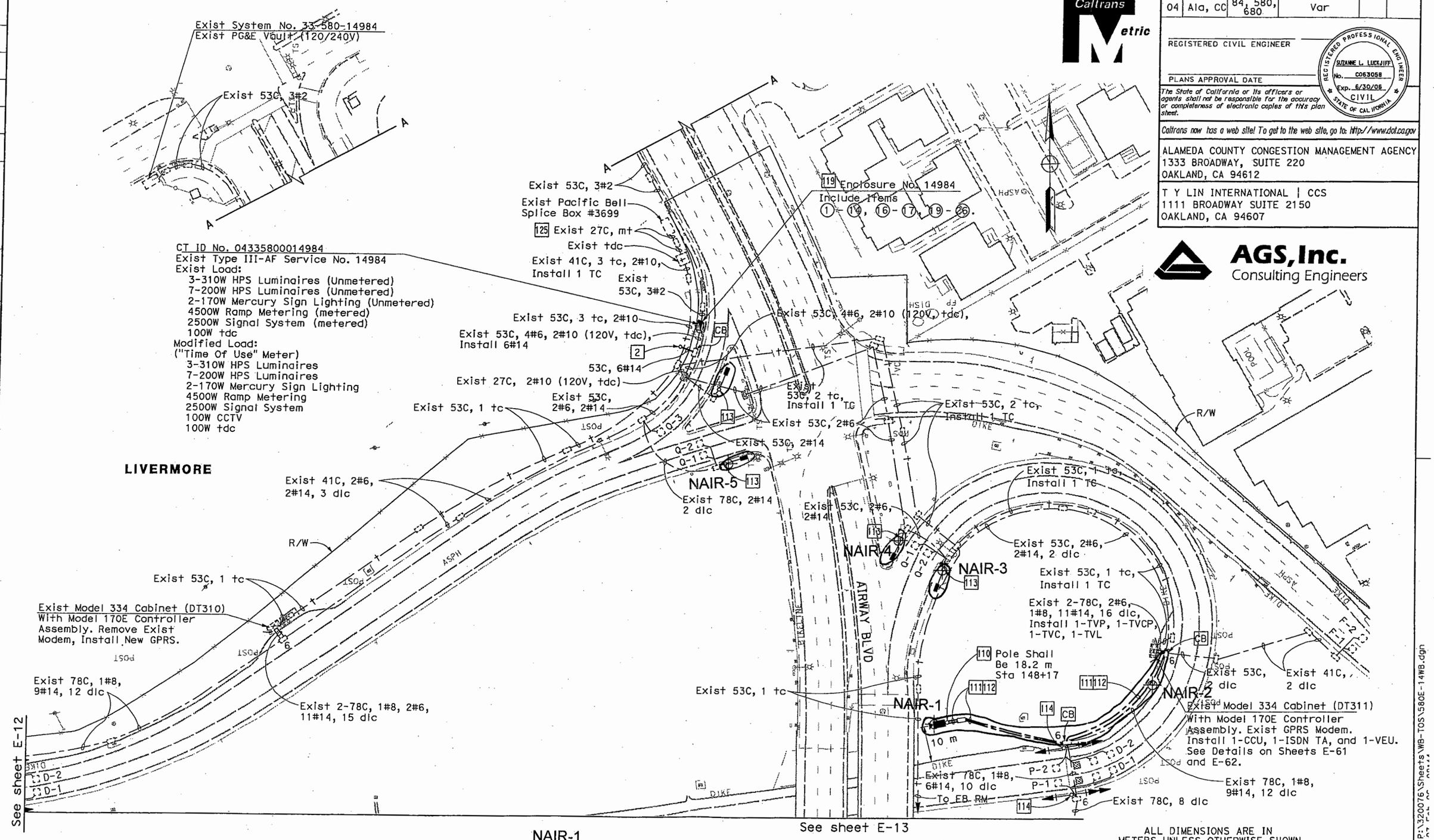
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers



FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

95% SUBMITTAL

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 8)

PLATE 17

SCALE 1:500

E-14

DATE	REVISED BY	DATE REVISED
01/06	---	01/06

CALCULATED/DESIGNED BY ---
CHECKED BY ---

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

FILE: P:\320076\Sheets\WB-TOS\580E-14WB.dgn

USERNAME => $USER

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

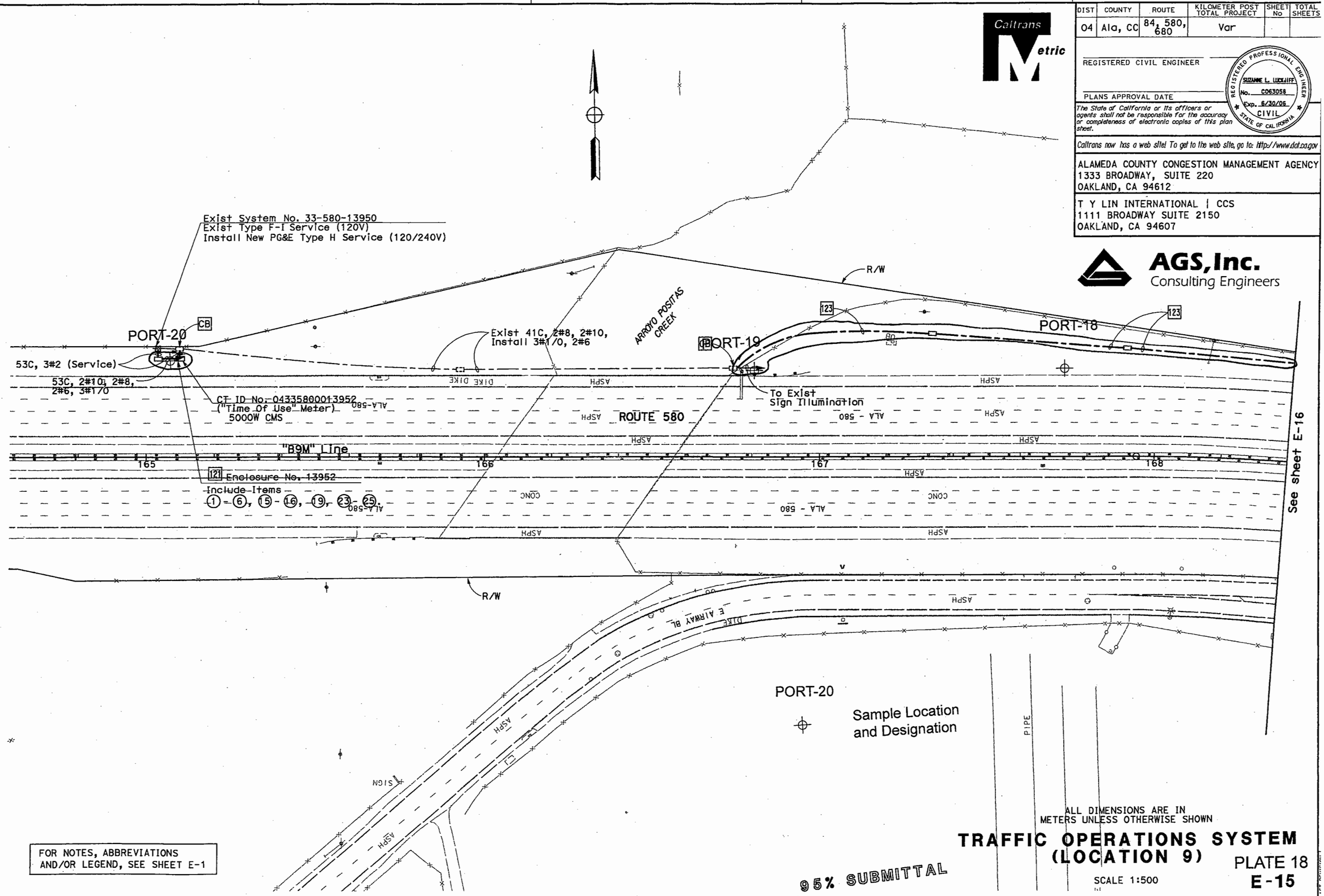
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers



FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 9)

SCALE 1:500

95% SUBMITTAL

PLATE 18
E-15

CALCULATED/ DESIGNED BY	---	DATE 02/06	REVISED BY
CHECKED BY	---	02/06	DATE REVISED

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

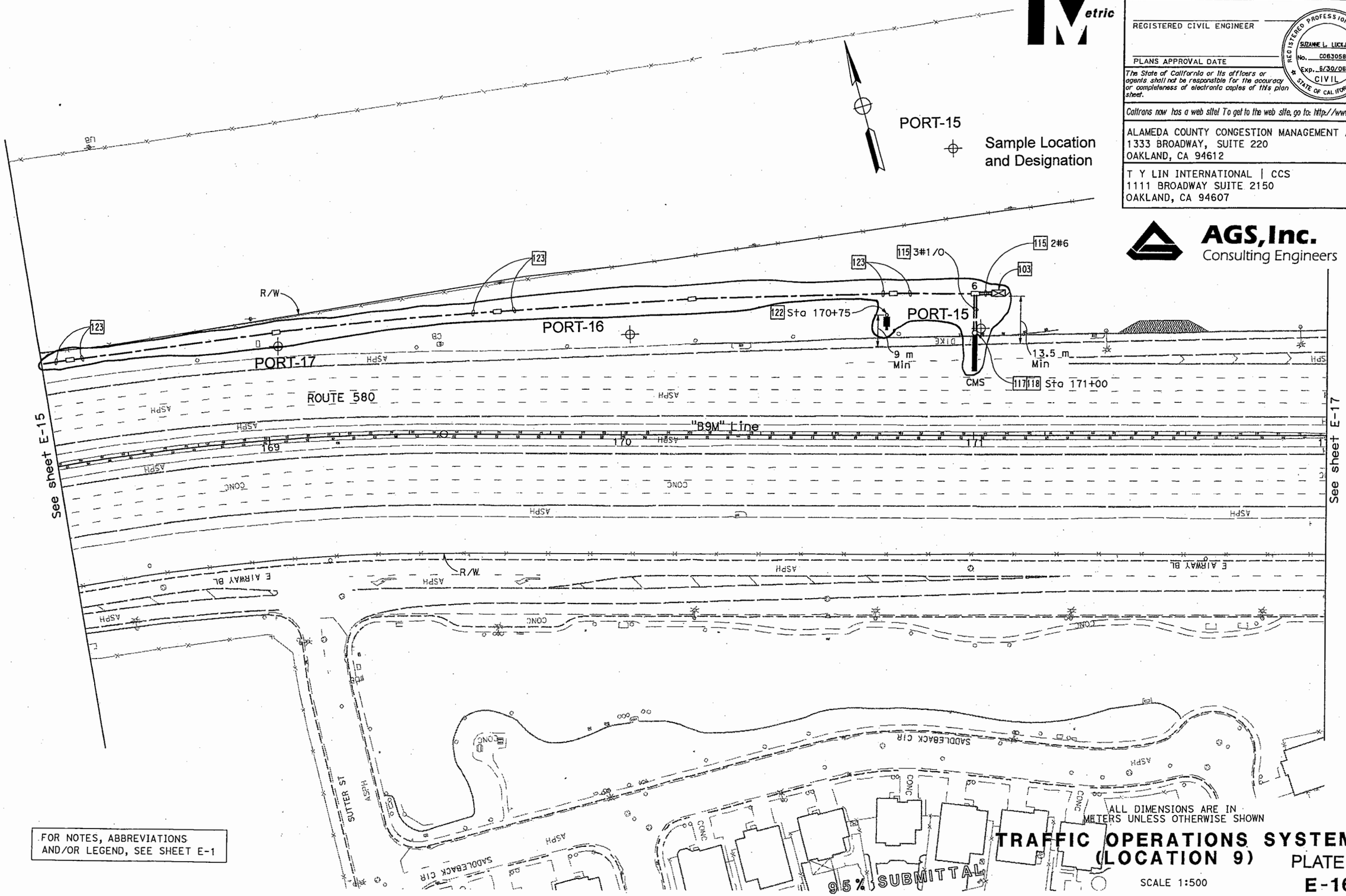
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers



FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 9)

SCALE 1:500

95% SUBMITTAL

PLATE 19

E-16

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN OVERSIGHT

CALCULATED/ DESIGNED BY	---	DATE	REVISED BY
CHECKED BY	---	01/06	DATE REVISED

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80

USERNAME => $USER

LAST REVISION 00-00-00

FILE: P:\320076\Sheets\WB-TOS\580E-16WB.dgn

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

Caltrans Metric

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

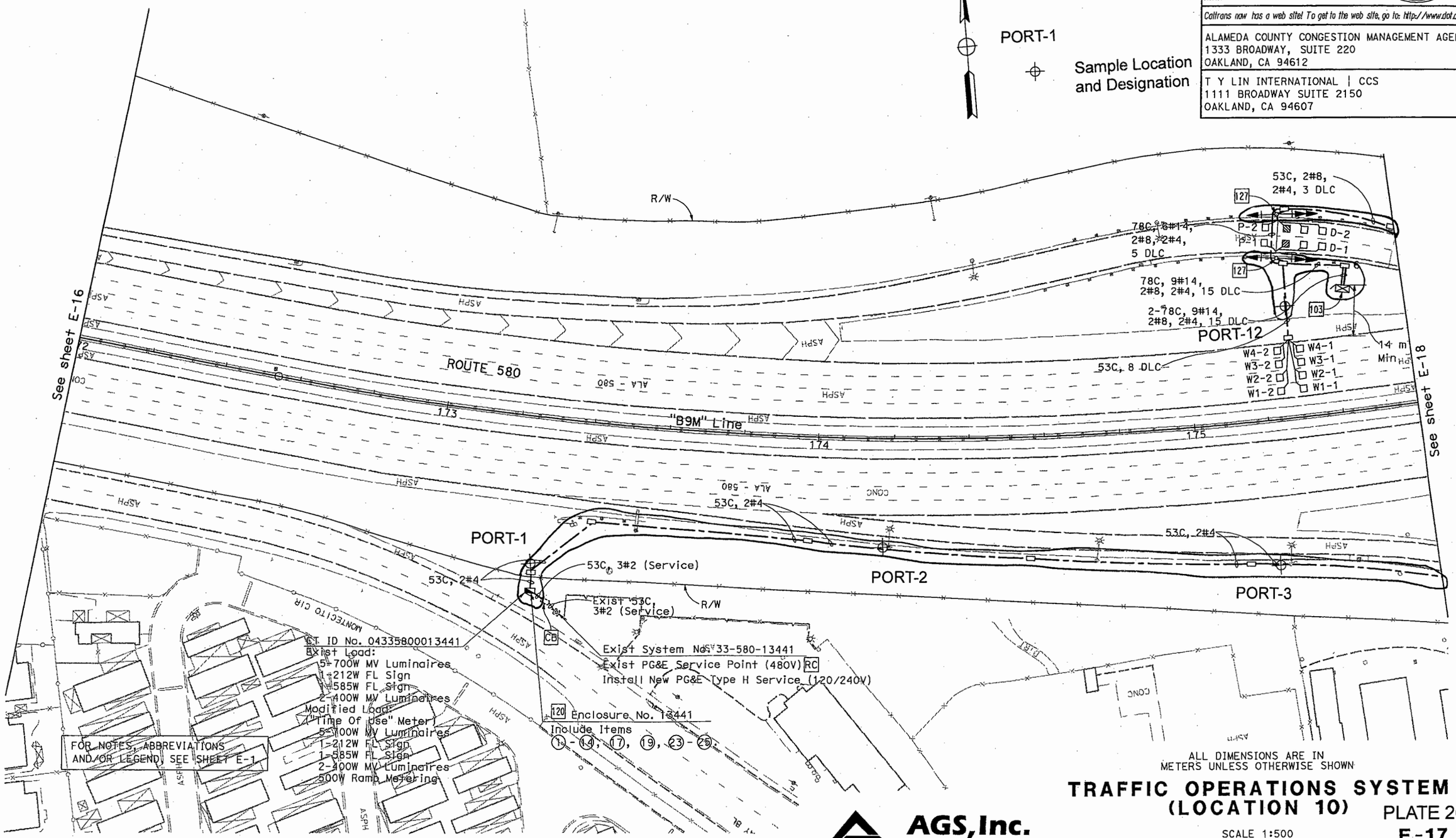
REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

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.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 10)

SCALE 1:500

PLATE 20
E-17

AGS, Inc.
Consulting Engineers

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT

CALCULATED/ DESIGNED BY	---	DATE 01/06	REVISED BY
CHECKED BY	---	01/06	DATE REVISED

FILE: P:\320076\Sheets\WB-TOS\580E-17WB.dgn

LAST REVISION 00-00-00

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80

USERNAME => $USER

CU 04258

EA 290801

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

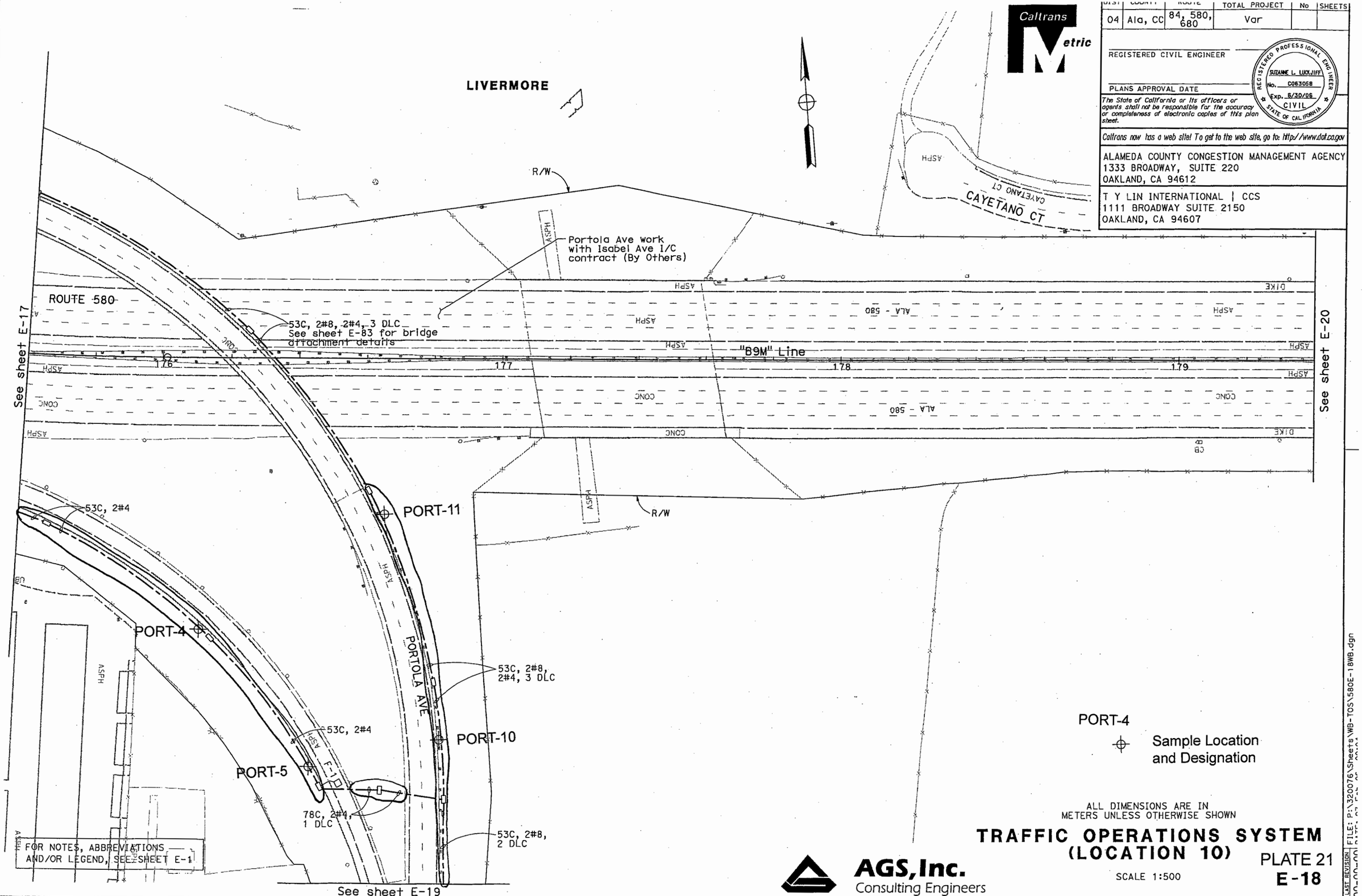
REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

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.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 10)

SCALE 1:500

PLATE 21
E-18

AGS, Inc.
Consulting Engineers

DATE	REVISED BY	DATE	REVISED BY
---	---	---	---

CALCULATED/DESIGNED BY
CHECKED BY

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

LAST REVISION 00-00-00

FILE: P:\320076\Sheets\WB-TOS\580E-18WB.dgn

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
James T. Pun
No. C35305
Exp. 09/30/07
CIVIL
STATE OF CALIFORNIA

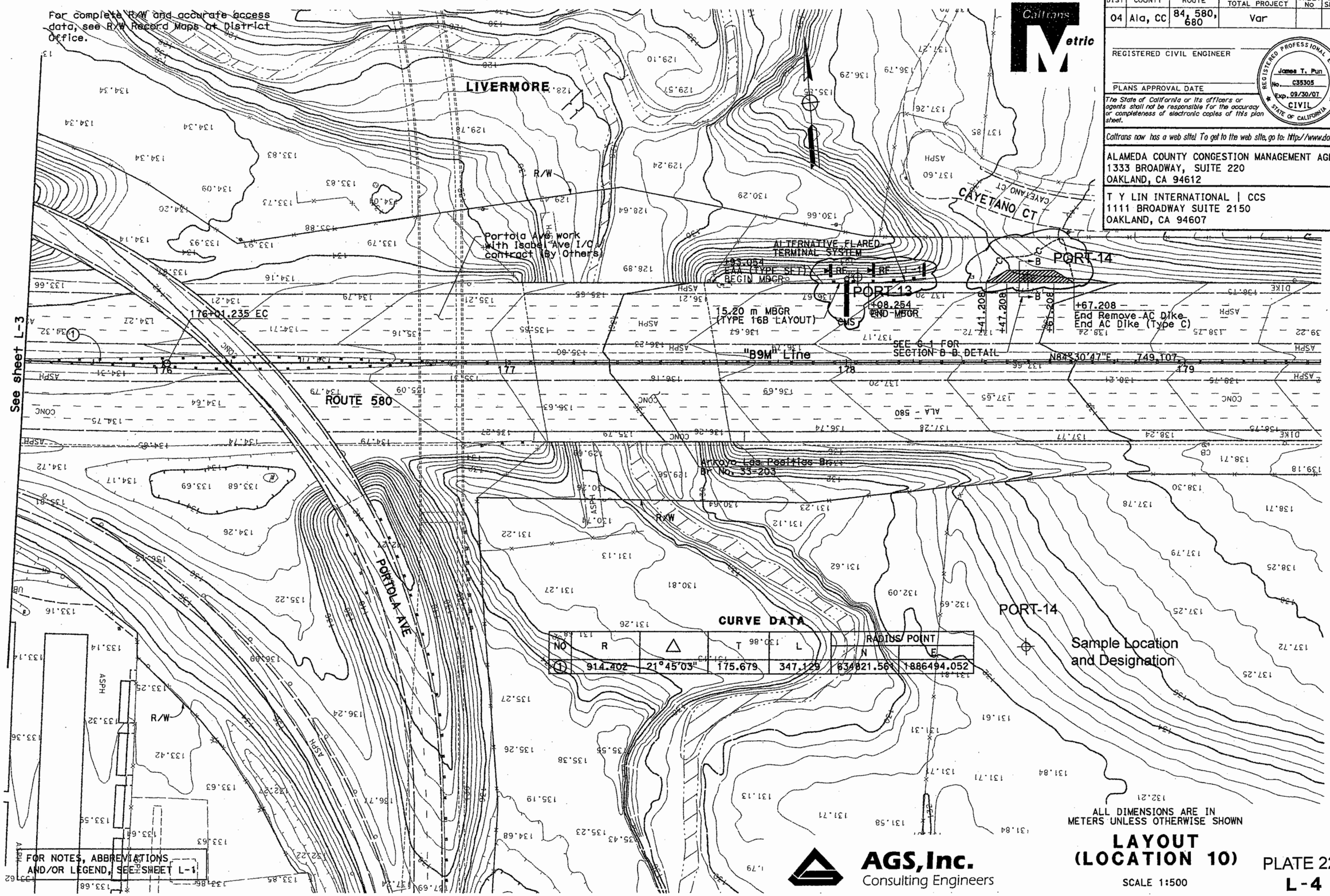
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

Caltrans Metric



CURVE DATA

NO	R	△	T	L	RADIUS POINT N	RADIUS POINT E
1	914.402	21°45'03"	175.679	347.129	634821.561	1886494.052

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET L-1

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

LAYOUT (LOCATION 10)

SCALE 1:500

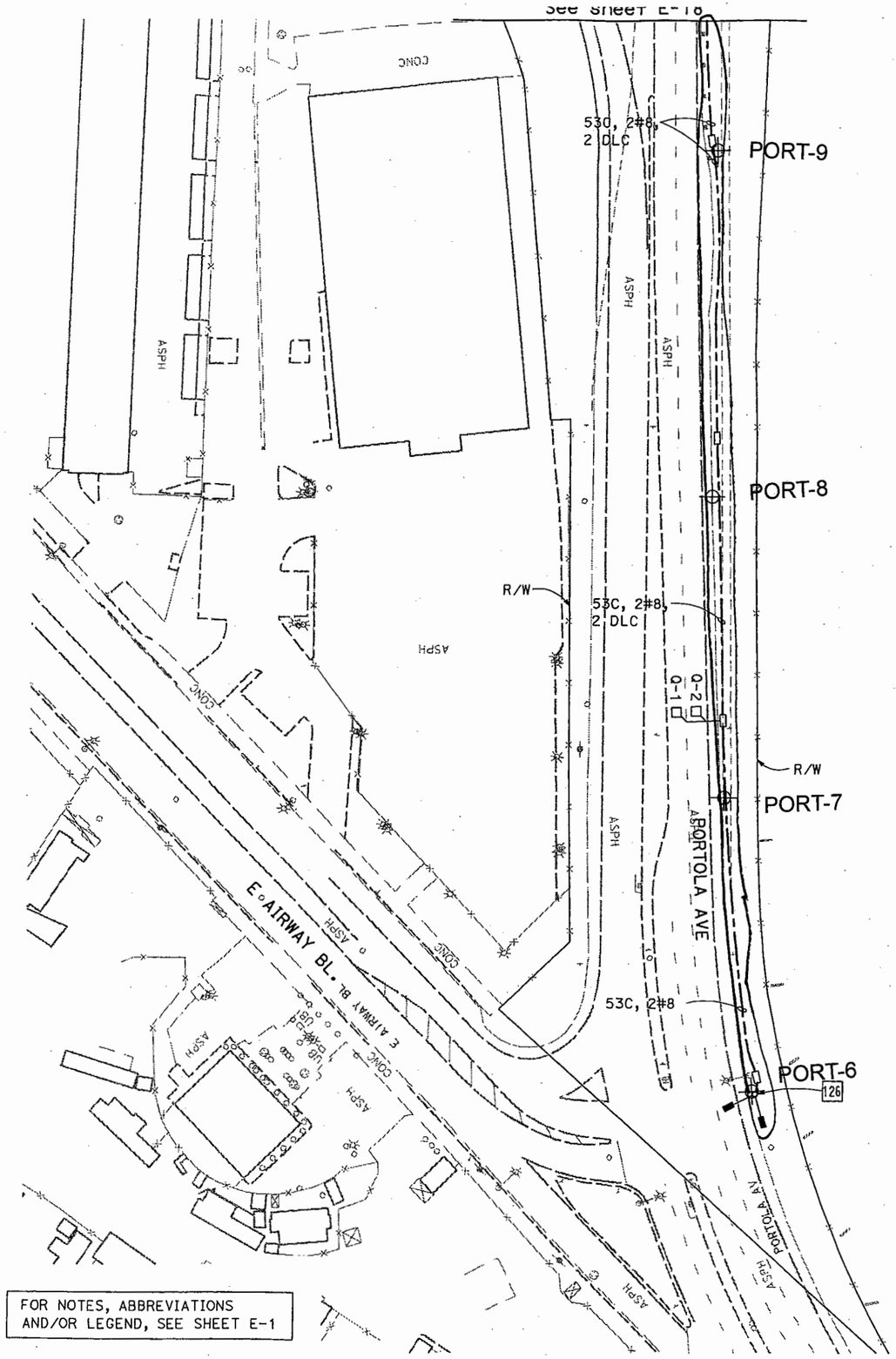
AGS, Inc. Consulting Engineers

PLATE 22
L-4

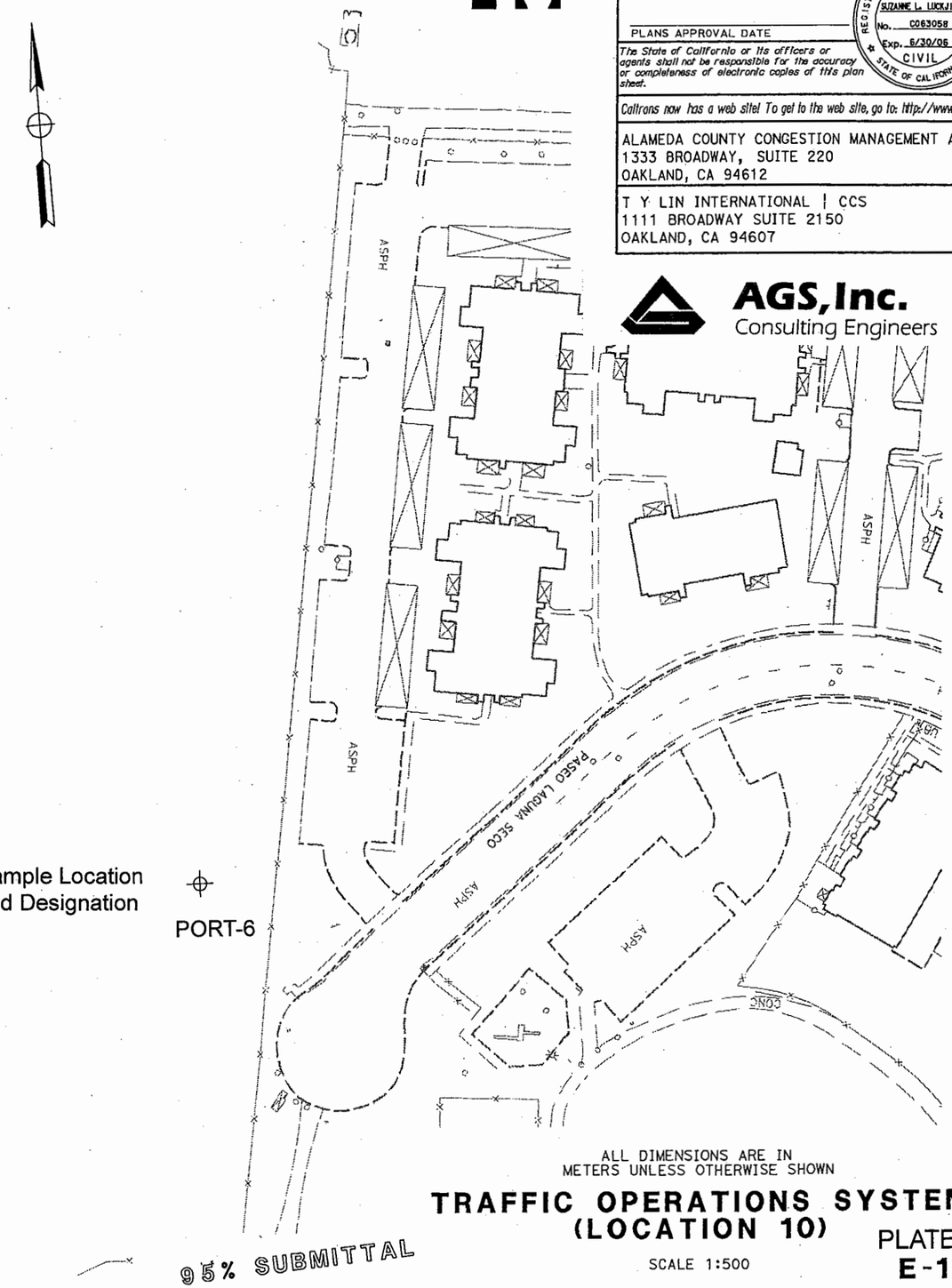
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: STEPHEN HAAS

CALCULATED/DESIGNED BY: MOJ | DATE: 1/06 | REVISED BY
CHECKED BY: JTP | DATE: 1/06 | DATE REVISED



FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1



95% SUBMITTAL

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

Caltrans Metric

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 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.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 10)

SCALE 1:500

PLATE 23
E-19

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT

CALCULATED/ DESIGNED BY	---	DATE 01/06	REVISED BY
CHECKED BY	---	01/06	DATE REVISED

FILE: P:\320076\Sheets\WB-TOS\580E-19WB.dgn

LAST REVISION

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

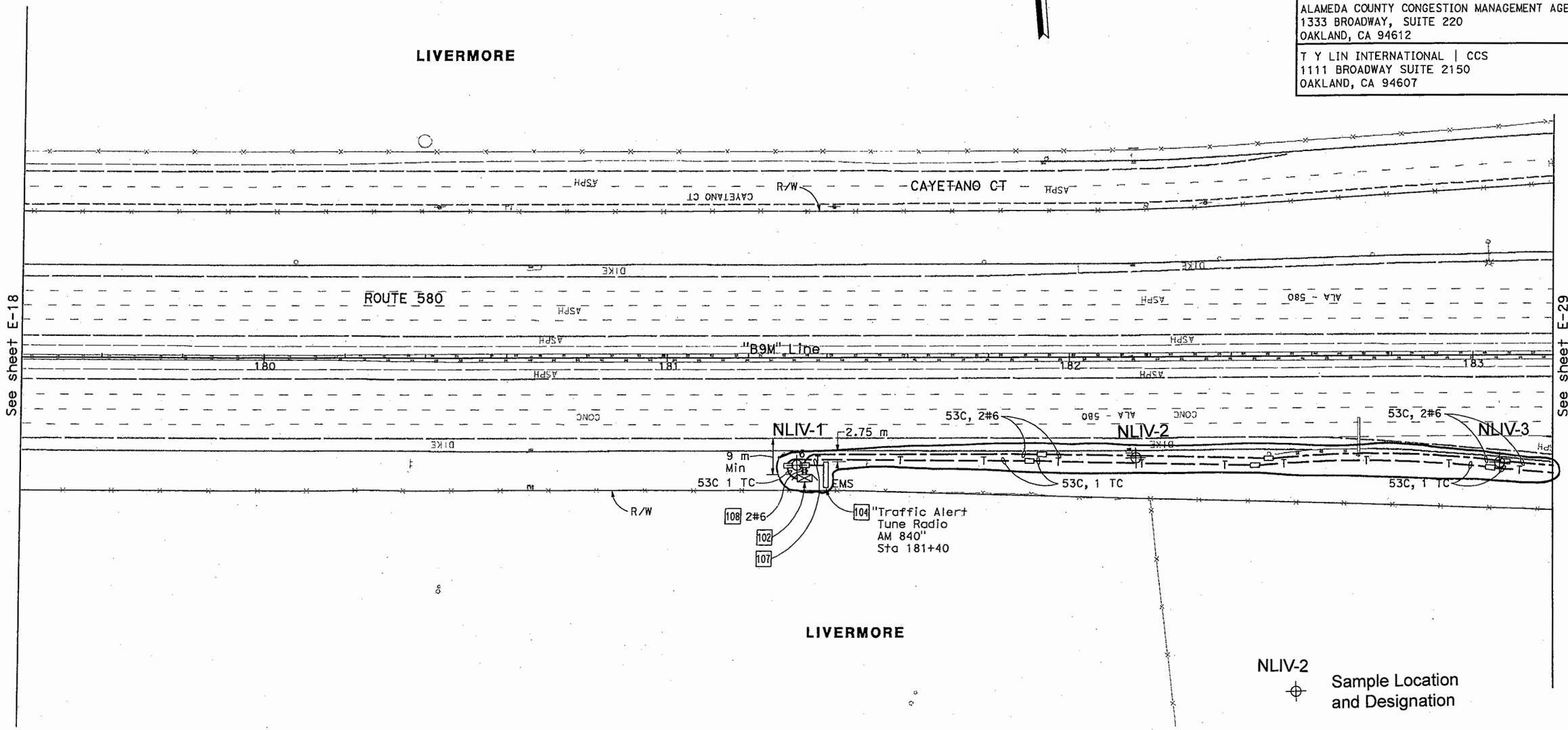
REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

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.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 11)

SCALE 1:500

PLATE 24
E-20

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

AGS, Inc. Consulting Engineers

CALCULATED/ DESIGNED BY	---	DATE	REVISED BY
CHECKED BY	---	01/06	DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN OVERSIGHT
Caltrans

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80
USERNAME => $USER
CU 04258
EA 290801
LAST REVISION
FILE: P:\320076\Sheets\WB-TOS\580E-20WB.dgn

DIST	COUNTY	ROUTE	TOTAL PROJECT	NO	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

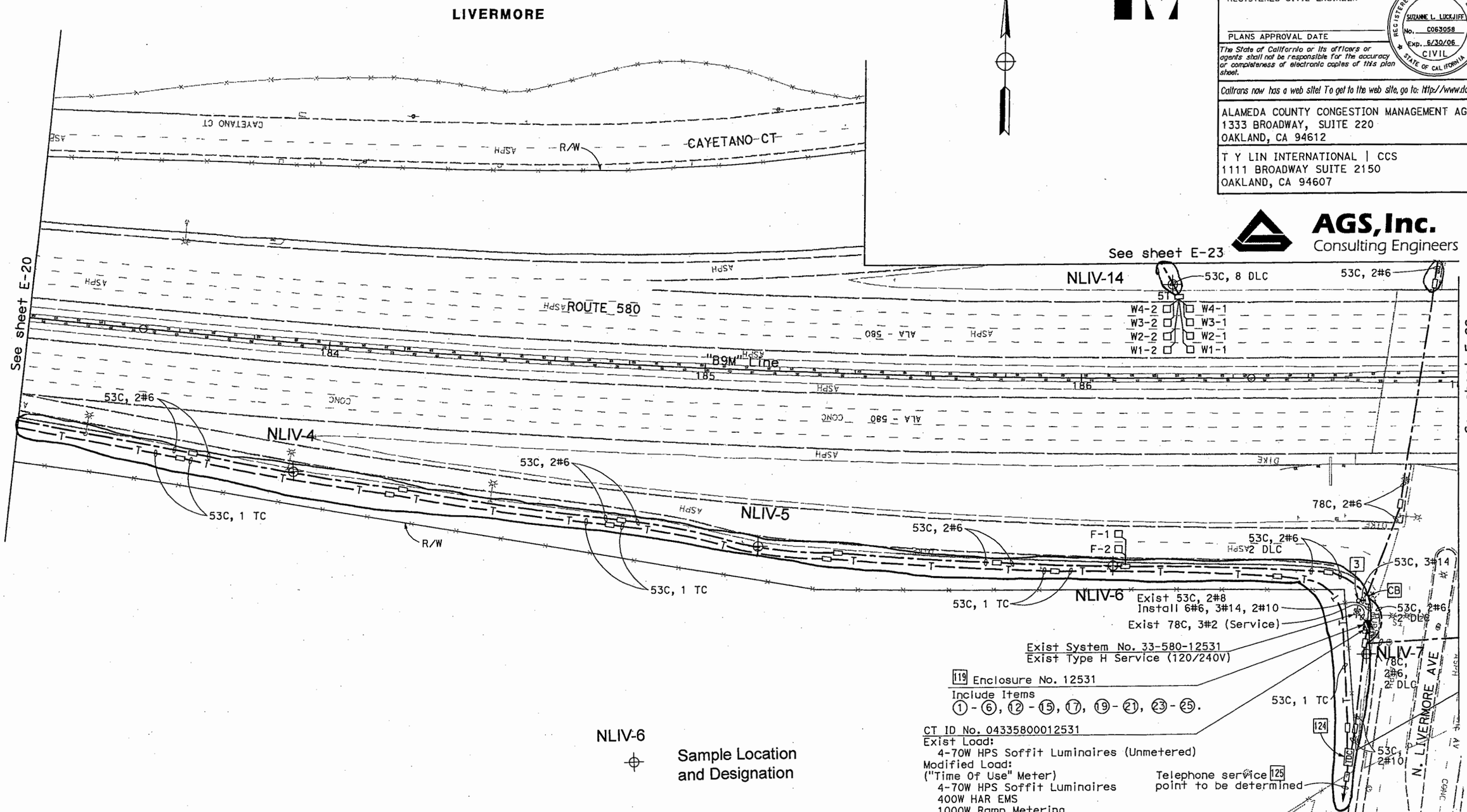
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 11)

SCALE 1:500

PLATE 25
E-21

95% SUBMITTAL

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT

		DATE	REVISED BY
CALCULATED/ DESIGNED BY	---	01/06	REVISED BY
CHECKED BY	---	01/06	DATE REVISED

LAST REVISION 00-00-00 FILE: P:\320076\Sheets\WB-TOS\580E-21WB.dgn

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80 USERNAME => $USER

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

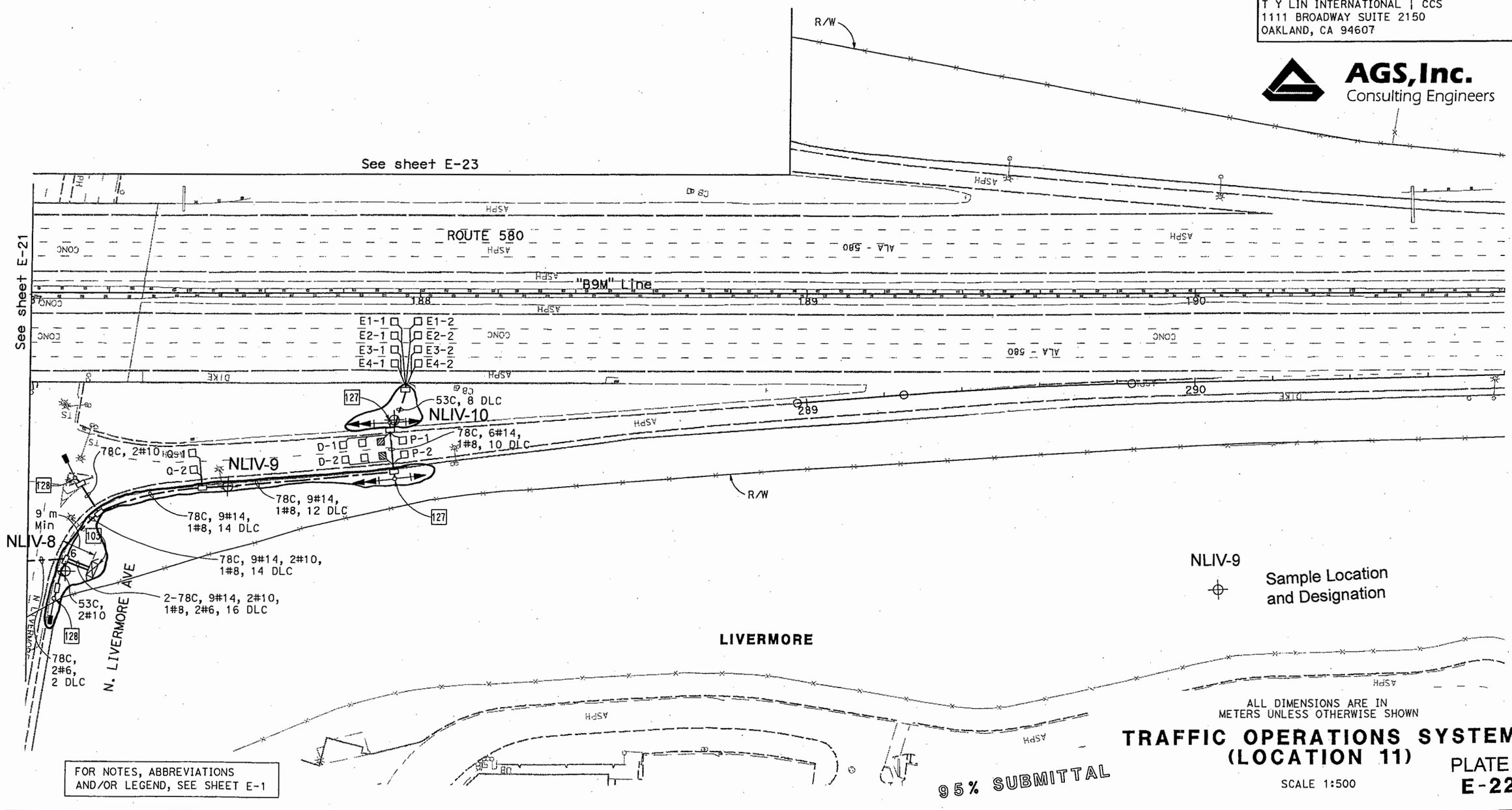
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers



FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 11)

SCALE 1:500

PLATE 26
E-22

CALCULATED/ DESIGNED BY	---	DATE 01/06	REVISED BY
CHECKED BY	---	01/06	DATE REVISED

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

LAST REVISION

FILE: P:\320076\Sheets\WB-TOS\580E-22WB.dgn

DIST.	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

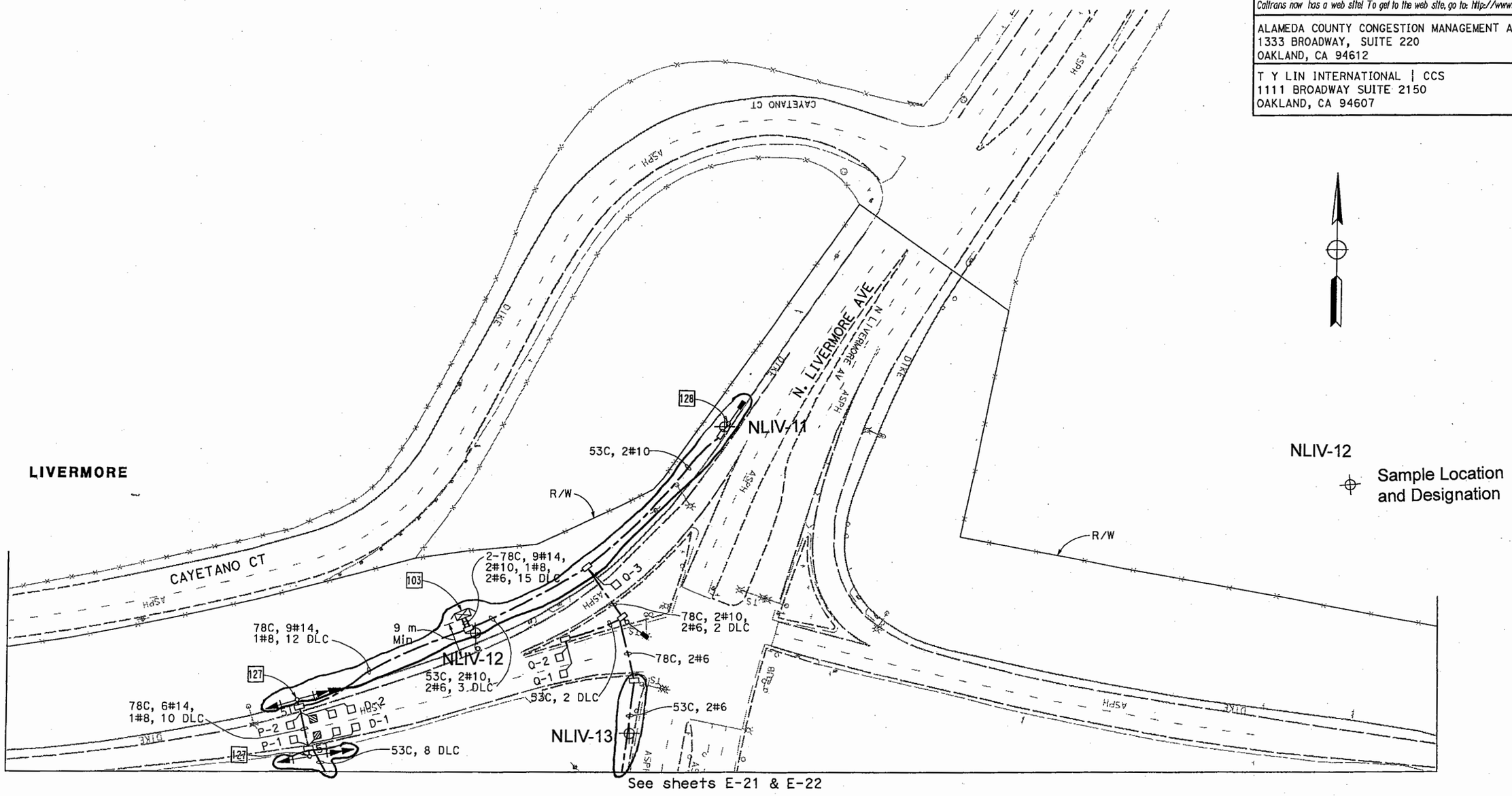
REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

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.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607



See sheets E-21 & E-22

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

TRAFFIC OPERATIONS SYSTEM (LOCATION 11)

SCALE 1:500

AGS, Inc. Consulting Engineers

PLATE 27
E-23

	DATE	REVISED BY
CALCULATED/DESIGNED BY	---	
CHECKED BY	---	
	01/06	DATE REVISED

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

Caltrans Metric

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

CU 04358

EA 290801

LAST REVISION 00-00-00

FILE: P:\320076\Sheets\WB-TOS\580E-23WB.dgn

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

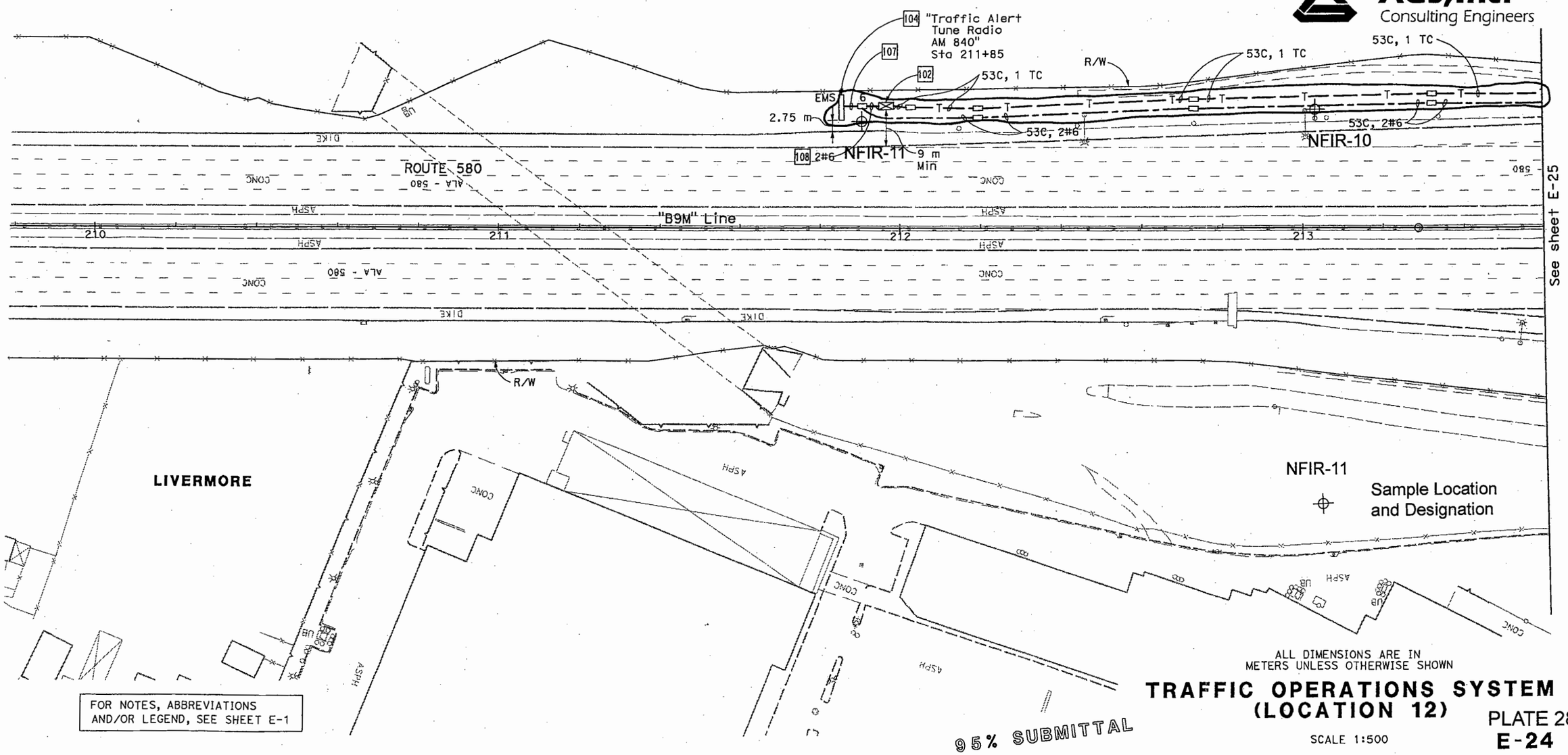
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers



FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

95% SUBMITTAL

TRAFFIC OPERATIONS SYSTEM (LOCATION 12)

SCALE 1:500

PLATE 28
E-24

DATE	REVISED BY	DATE	REVISED BY
01/06	---	01/06	---

CALCULATED/DESIGNED BY ---
CHECKED BY ---

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

FILE: P:\320076\Sheets\WB-TOS\580E-24WB.dgn

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

CU 04258

EA 290801

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

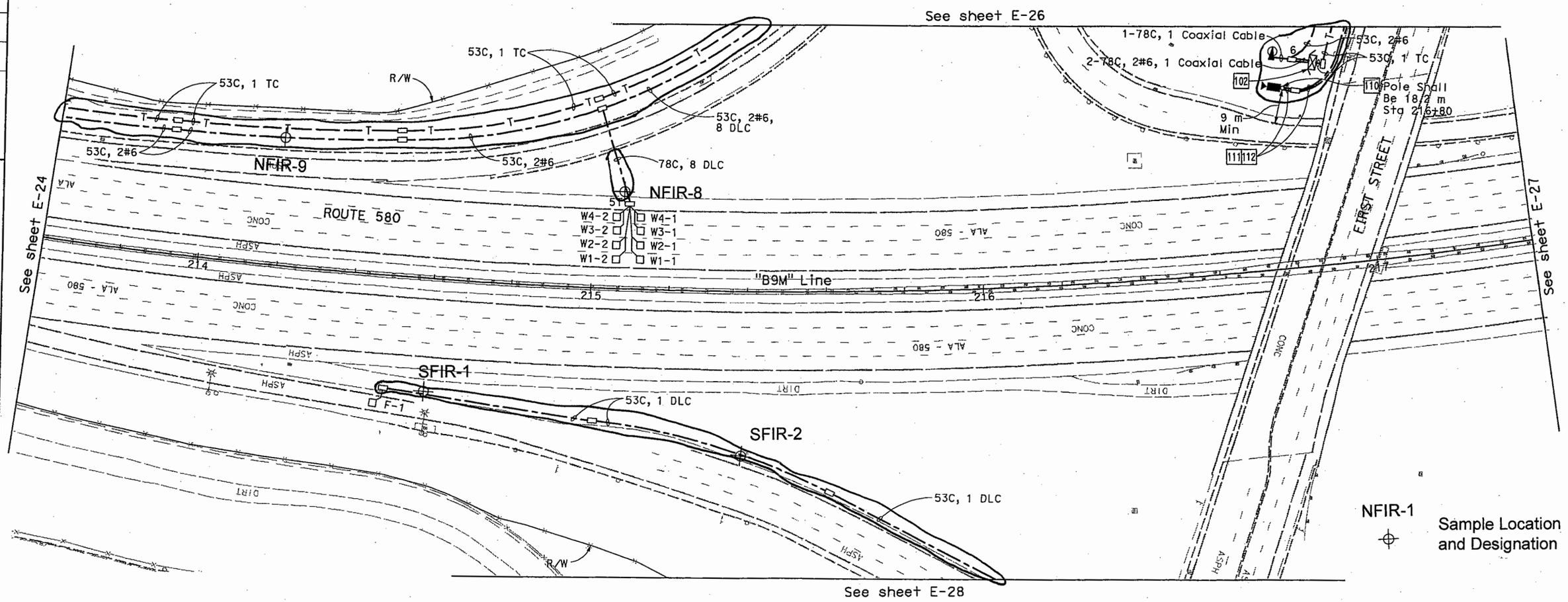
REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

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.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 12)

SCALE 1:500

PLATE 29
E-25

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

AGS, Inc. Consulting Engineers

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN OVERSIGHT

CALCULATED/DESIGNED BY --- DATE 01/06 REVISED BY

CHECKED BY --- 01/06 DATE REVISED

FILE: P:\320076\Sheets\WB-TOS\580E-25WB.dgn

LAST REVISION

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

CU 04258

EA 290801

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

Caltrans Metric

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

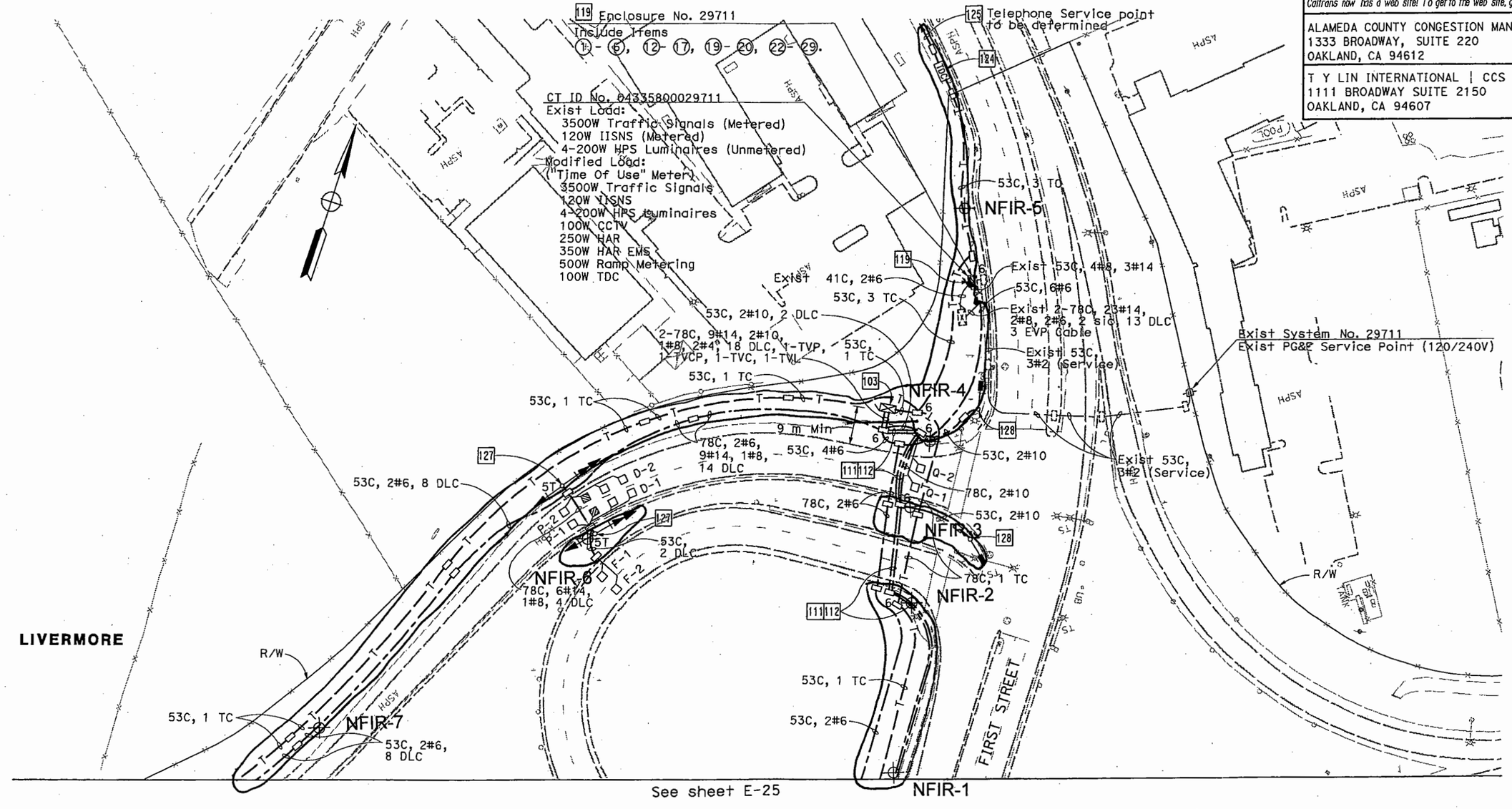
REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

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.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 12)

SCALE 1:500

PLATE 30

E-26

AGS, Inc. Consulting Engineers

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN OVERSIGHT

CALCULATED/DESIGNED BY | DATE 01/06 | REVISED BY

CHECKED BY | 01/06 | DATE REVISED

FILE: P:\320076\Sheets\WB-TOS\580E-26WB.dgn

USERNAME => $USER

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

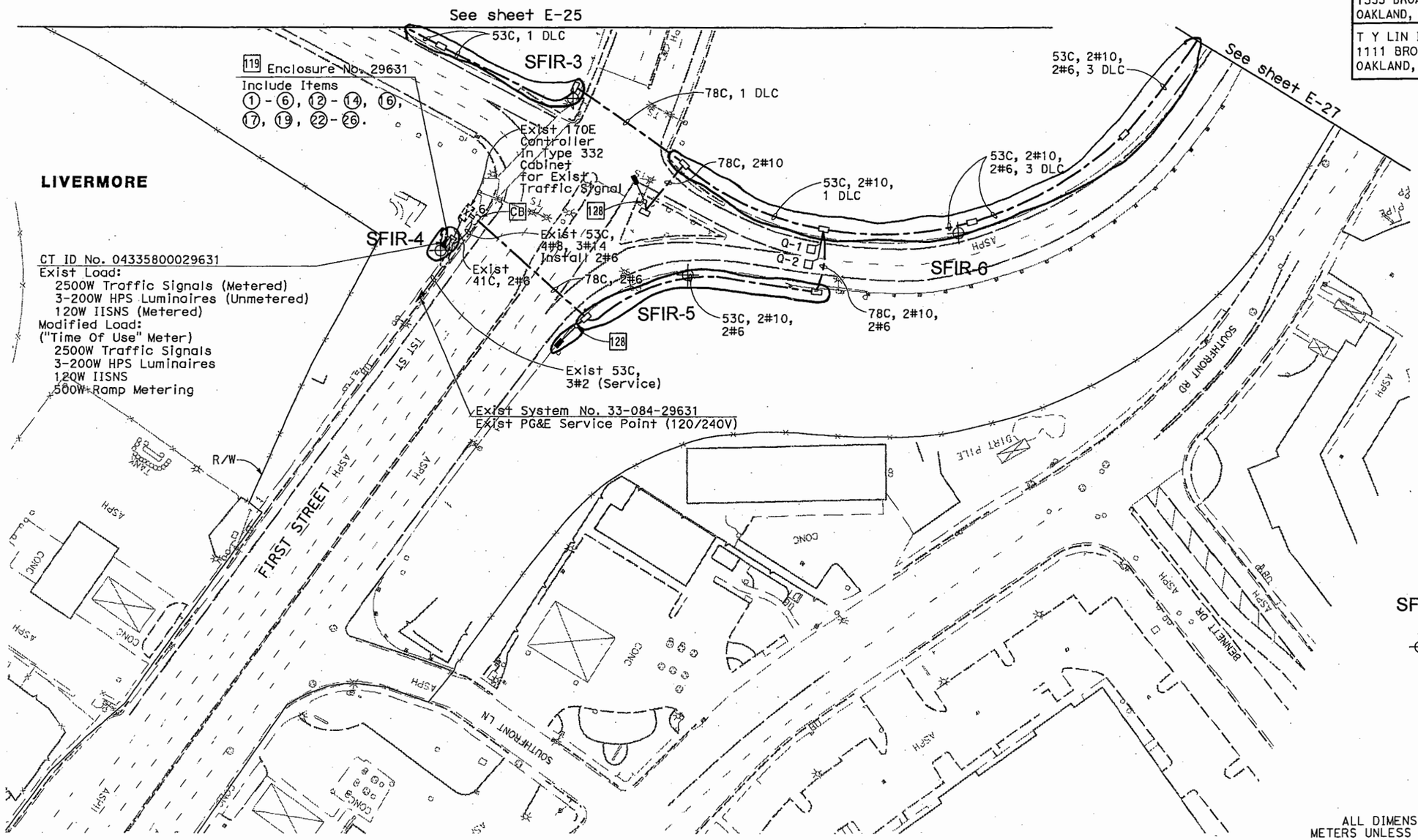
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

Caltrans Metric

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 12)

SCALE 1:500

PLATE 31
E-28

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

AGS, Inc.
Consulting Engineers

CALCULATED/ DESIGNED BY	---	DATE 01/06	REVISED BY
CHECKED BY	---	01/06	DATE REVISED

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

LAST REVISION FILE: P:\320076\Sheets\WB-TOS\580E-28WB.dgn

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

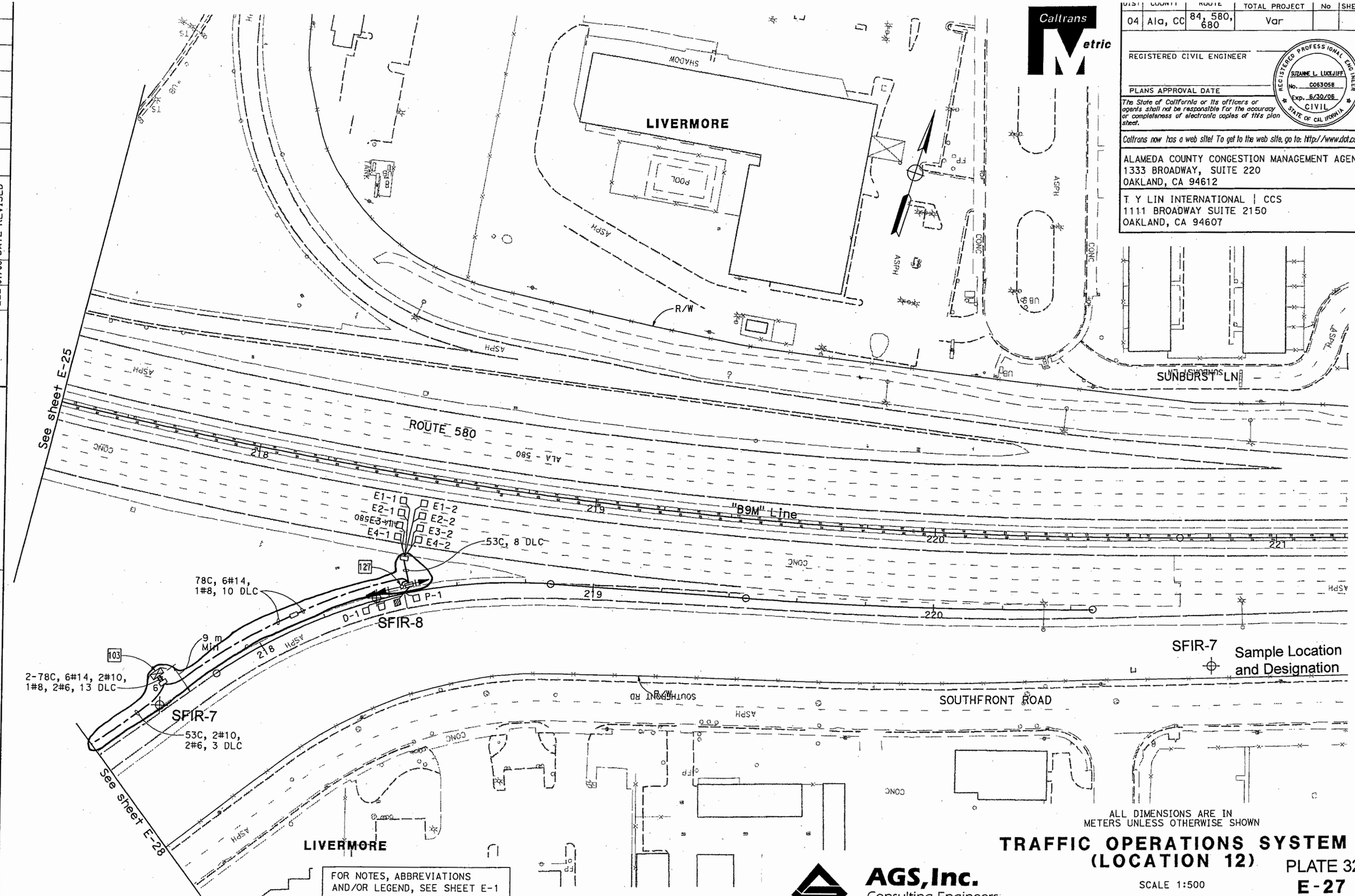
REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

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.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

AGS, Inc.
Consulting Engineers

TRAFFIC OPERATIONS SYSTEM (LOCATION 12)

SCALE 1:500

PLATE 32
E-27

	DATE	REVISED BY
CALCULATED/DESIGNED BY	---	
CHECKED BY	---	
	01/06	DATE REVISED

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

FOR REDUCED PLANS ORIGINAL SCALE IS 10 IN WILL MEASURE 0 20 40 60 80

USERNAME => $USER

CU 04358

EA 290801

LAST REVISION 00-00-00

FILE: P:\320076\Sheets\WB-TOS\580E-27WB.dgn

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala, CC	84, 580, 680	Var		

Caltrans Metric

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJFF No. 63058 Exp. 6/30/06 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.

Caltrans now has a website! To get to the website, go to: http://www.dot.ca.gov

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers

NVAS-1

Sample Location and Designation

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

TRAFFIC OPERATIONS SYSTEM (CITY STREET) (LOCATION 29)

SCALE: 1:500

PLATE 33

E-51

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN OVERSIGHT	CALCULATED/DESIGNED BY	---
Caltrans		CHECKED BY	---

DATE	REVISED BY
01/06	
01/06	DATE REVISED

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

LAST REVISION 00-00-00 | DATE PLOTTED => 01-AUG-2005 | TIME PLOTTED => 05:00 PM

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

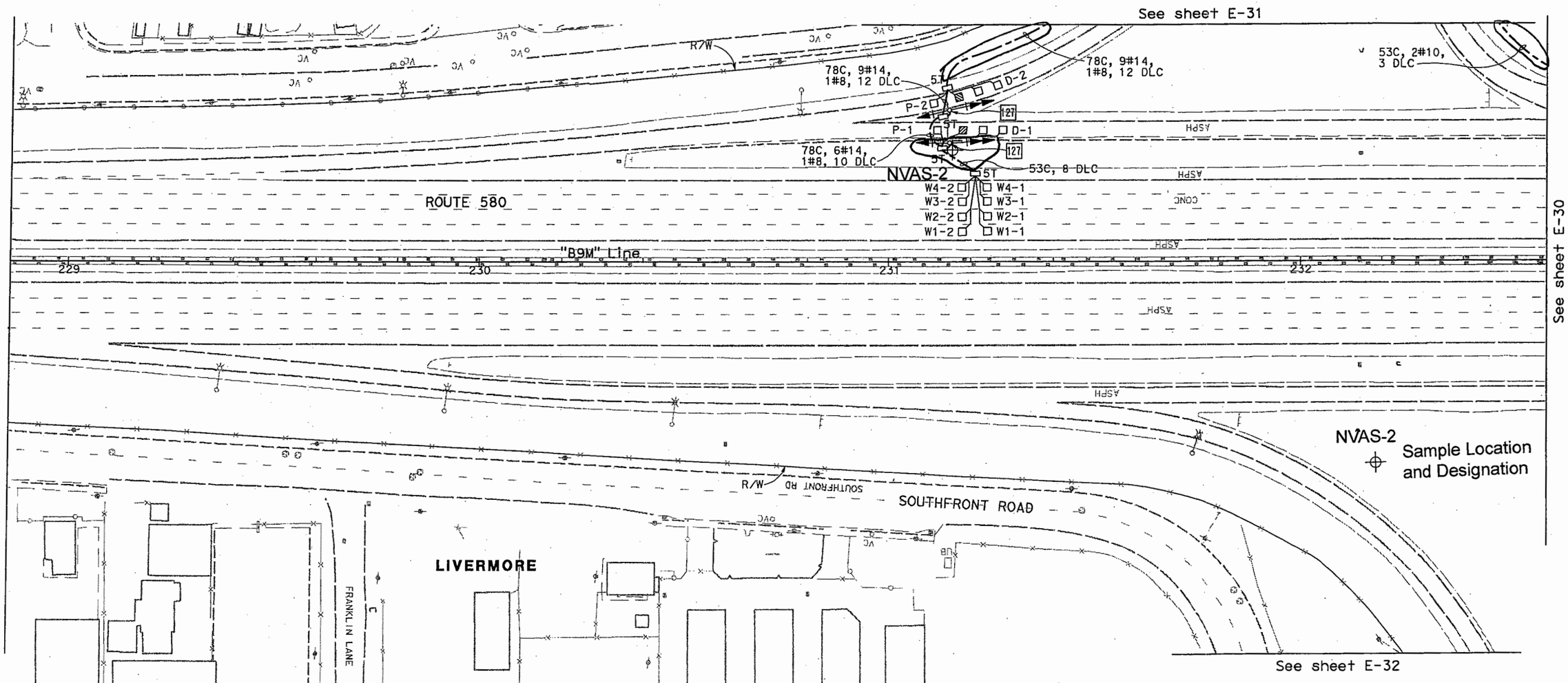
REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

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.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607



FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 13)

SCALE 1:500

AGS, Inc. Consulting Engineers

PLATE 34
E-29

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT

CALCULATED/DESIGNED BY | DATE 01/06 | REVISED BY
CHECKED BY | 01/06 | DATE REVISED

FILE: P:\320076\Sheets\WB-TOS\580E-29WB.dgn

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	ALA/CC	84, 580, 680	R12.6/30.7		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

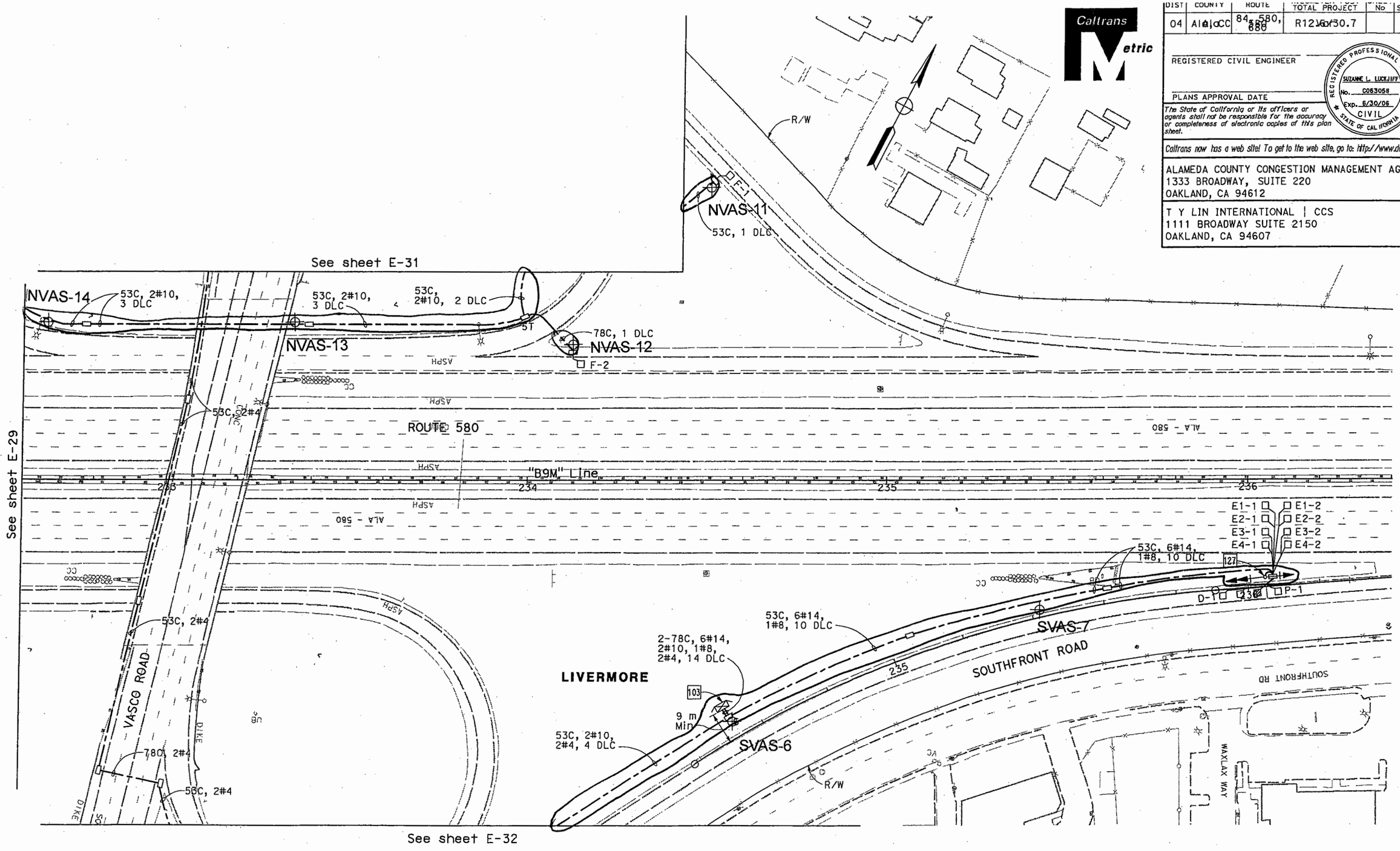
REGISTERED PROFESSIONAL ENGINEER — SUZANNE L. LUCKJIFF — No. C063058 — Exp. 6/30/06 — CIVIL — STATE OF CALIFORNIA

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.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607



SVAS-6 — Sample Location and Designation

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 13)

SCALE 1:500

PLATE 35

E-30

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

AGS, Inc. Consulting Engineers

DATE	REVISED BY	DATE	REVISED BY
01/06	---	01/06	---

CALCULATED/DESIGNED BY ---
CHECKED BY ---

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

CU 04358

EA 290801

LAST REVISION 00-00-00

FILE: P:\3200076\Sheets\WB-TOS\580E-30WB.dgn

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 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.

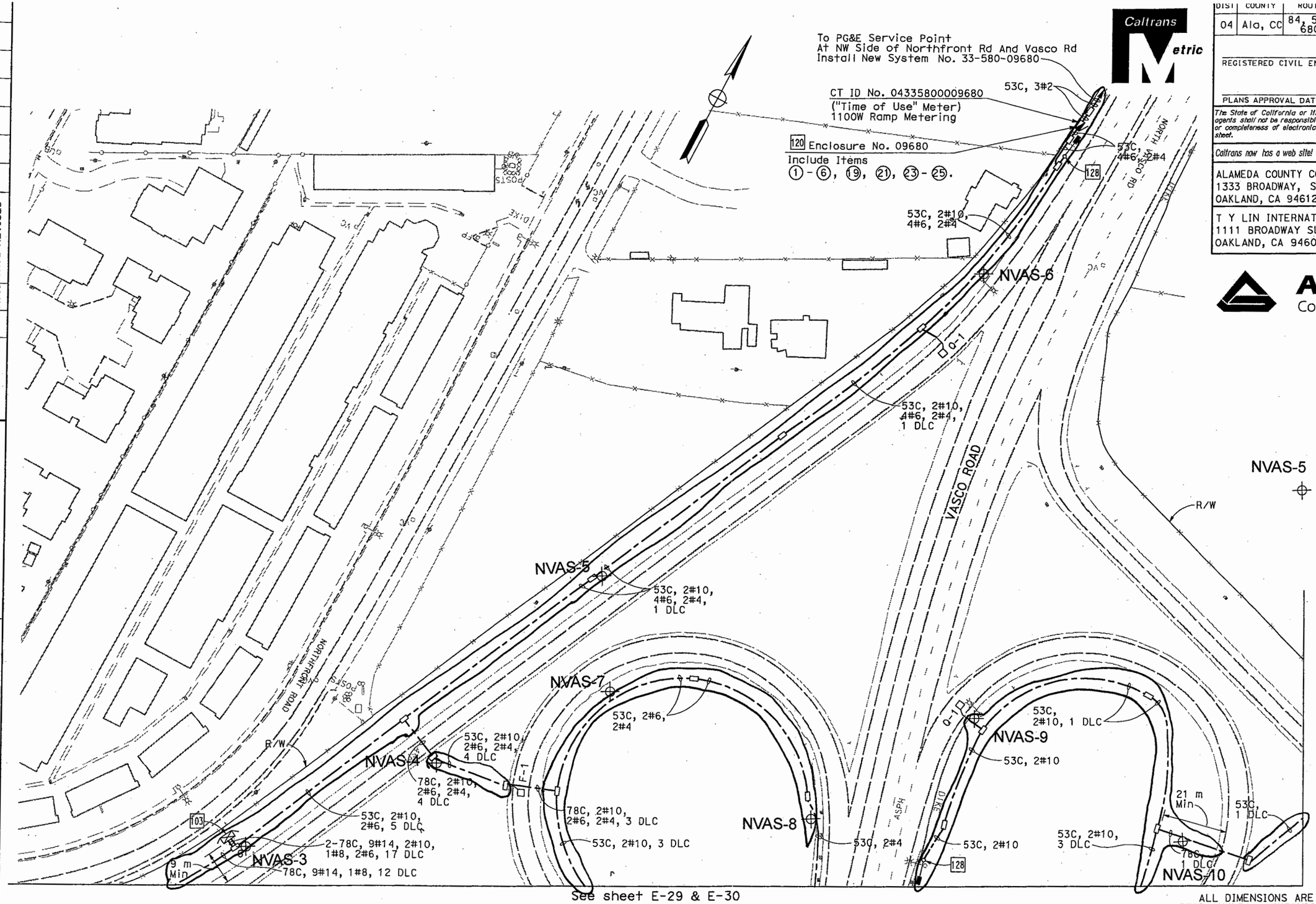
Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.gov

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers

Caltrans Metric



See sheet E-29 & E-30

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

95% SUBMITTAL

TRAFFIC OPERATIONS SYSTEM (LOCATION 13)

SCALE 1:500

PLATE 36

E-31

DATE	REVISED BY
01/06	---
01/06	---

CALCULATED/DESIGNED BY ---
CHECKED BY ---

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

FILE: P:\320076\Sheets\WB-TOS\580E-31WB.dgn

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

CU 04358

EA 290801

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

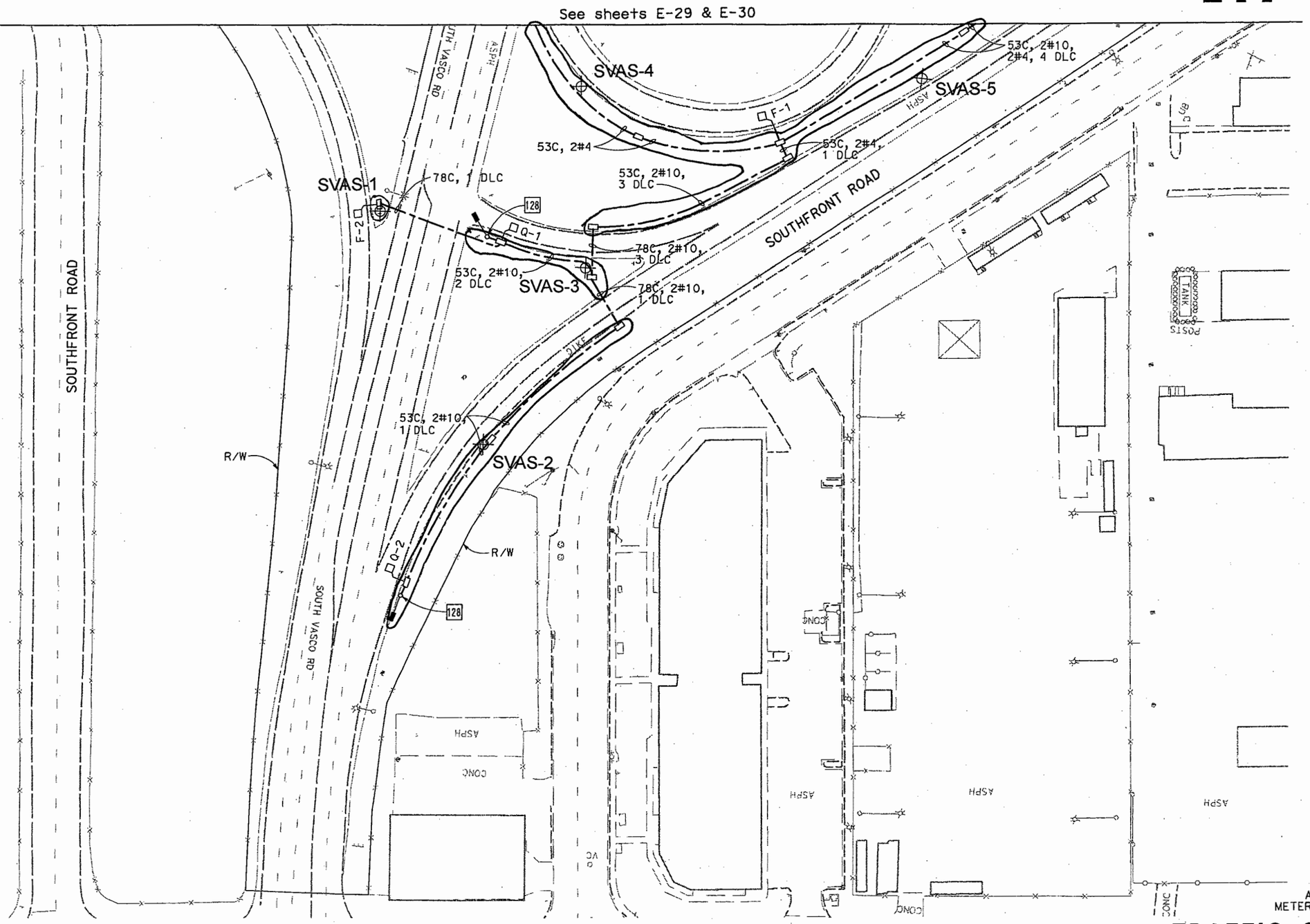
REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

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.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607



SVAS-3 Sample Location and Designation

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 13)

SCALE 1:500

PLATE 37
E-32

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

AGS, Inc. Consulting Engineers

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN OVERSIGHT

CALCULATED/DESIGNED BY ---- DATE 01/06 REVISED BY

CHECKED BY ---- 01/06 DATE REVISED

FILE: P:\320076\Sheets\WB-TOS\580E-32WB.dgn

LAST REVISION

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

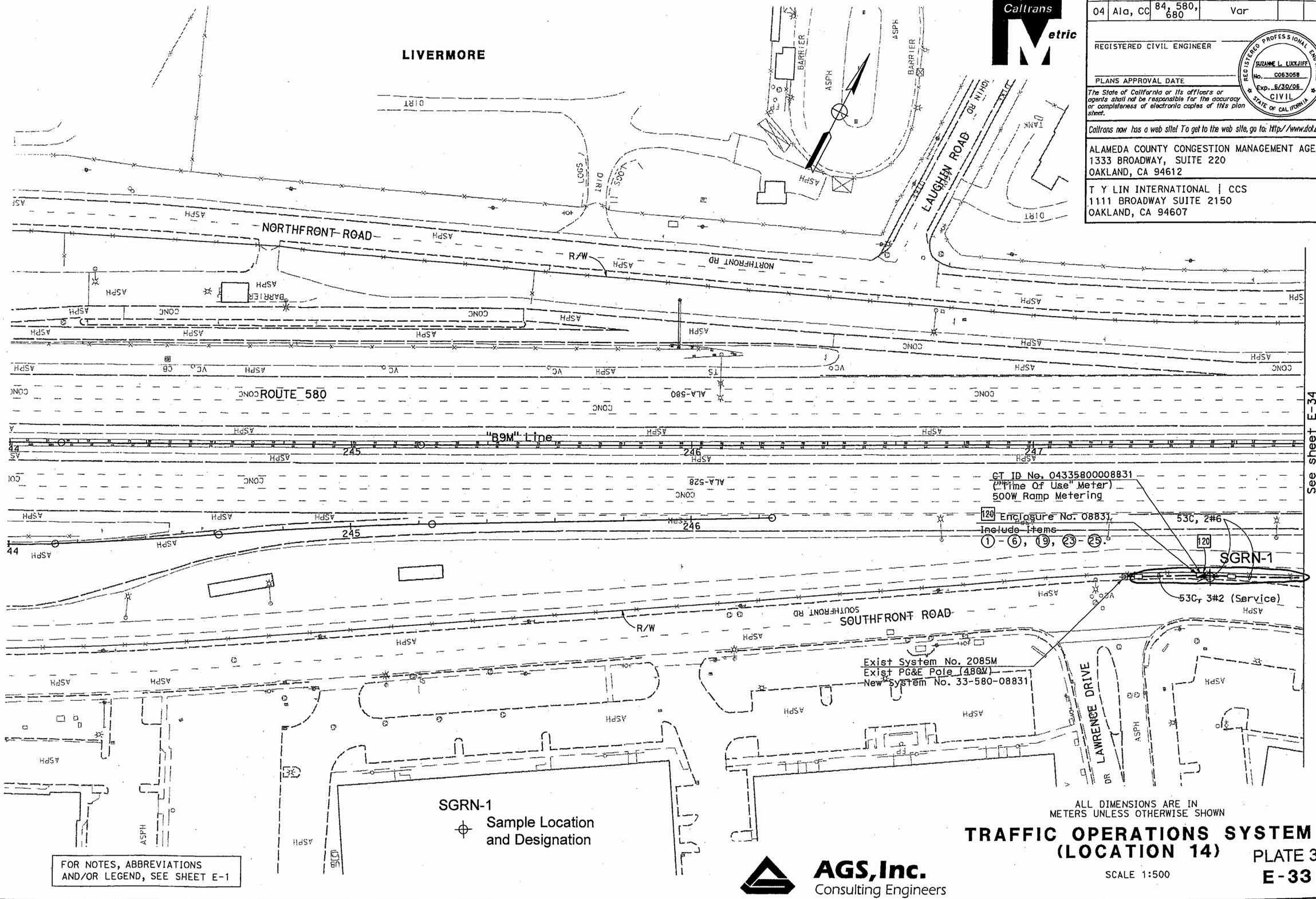
REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

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.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 14)

SCALE 1:500

PLATE 38

E-33

AGS, Inc. Consulting Engineers

DATE	REVISED BY	DATE	REVISED BY
01/06		01/06	

CALCULATED/DESIGNED BY ---
CHECKED BY ---

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

FILE: P:\320076\Sheets\WB-TOS\580E-33WB.dgn

LAST REVISION 00-00-00

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

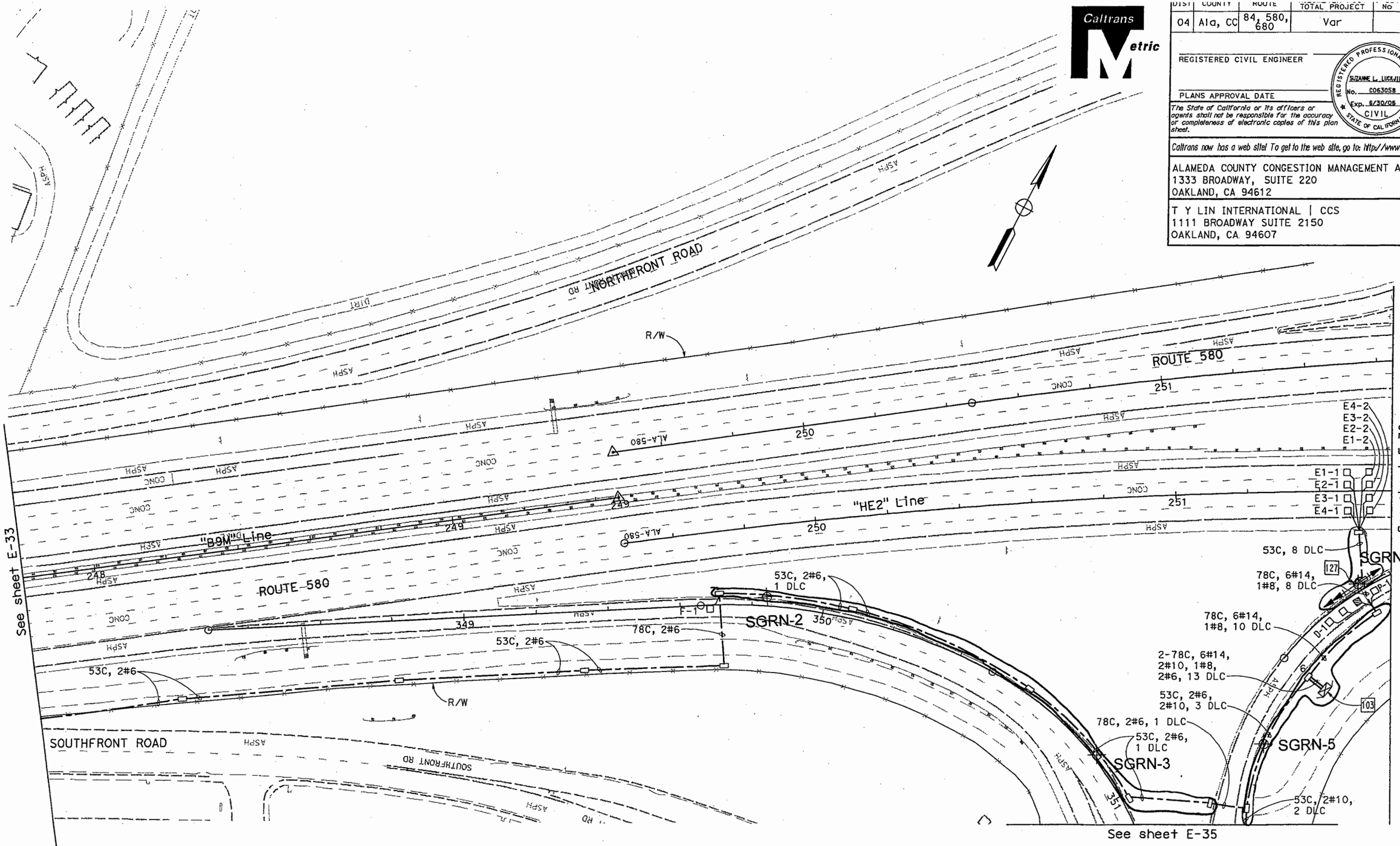
REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

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.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607



LIVERMORE

SGRN-2 Sample Location and Designation

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 14)

SCALE 1:500

PLATE 39
E-34

AGS, Inc. Consulting Engineers

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN OVERSIGHT

CALCULATED/ DESIGNED BY	---	DATE	REVISED BY
CHECKED BY	---	01/06	DATE REVISED

FILE: P:\320076\Sheets\WB-TOS\580E-34WB.dgn

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

LAST REVISION 00-00-00

DIST	COUNTY	ROUTE	TOTAL PROJECT	No	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

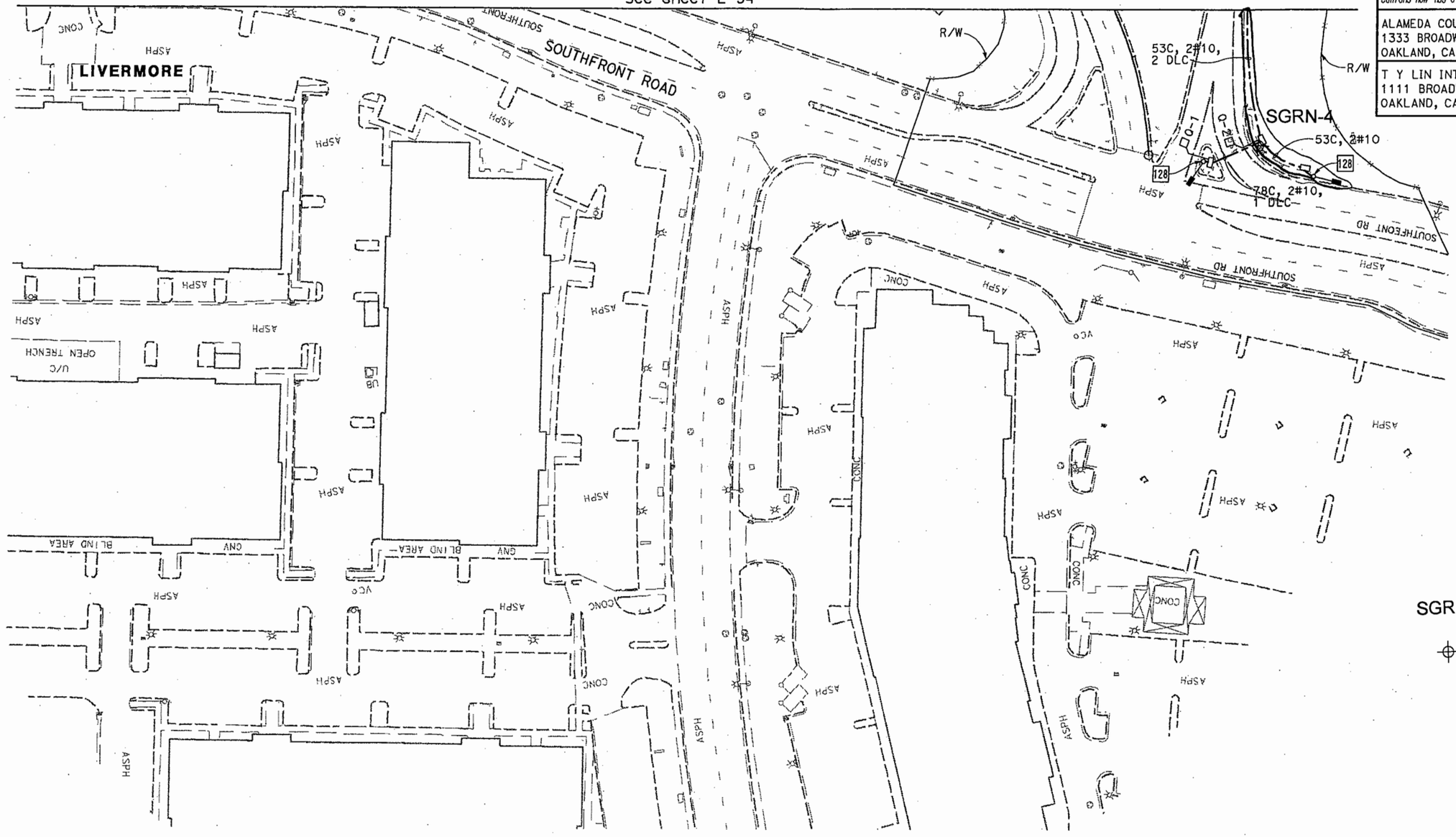
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

See sheet E-34



SGRN-4

Sample Location and Designation

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

AGS, Inc.
Consulting Engineers

TRAFFIC OPERATIONS SYSTEM (LOCATION 14)

SCALE 1:500

PLATE 40

E-35

	DATE	REVISED BY
CALCULATED/DESIGNED BY	---	
CHECKED BY	---	
	01/06	DATE REVISED

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

LAST REVISION

FILE: P:\320076\Sheets\WB-TOS\580E-35WB.dgn

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	Ala, CC	84, 580, 680	Var		

Caltrans Metric

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

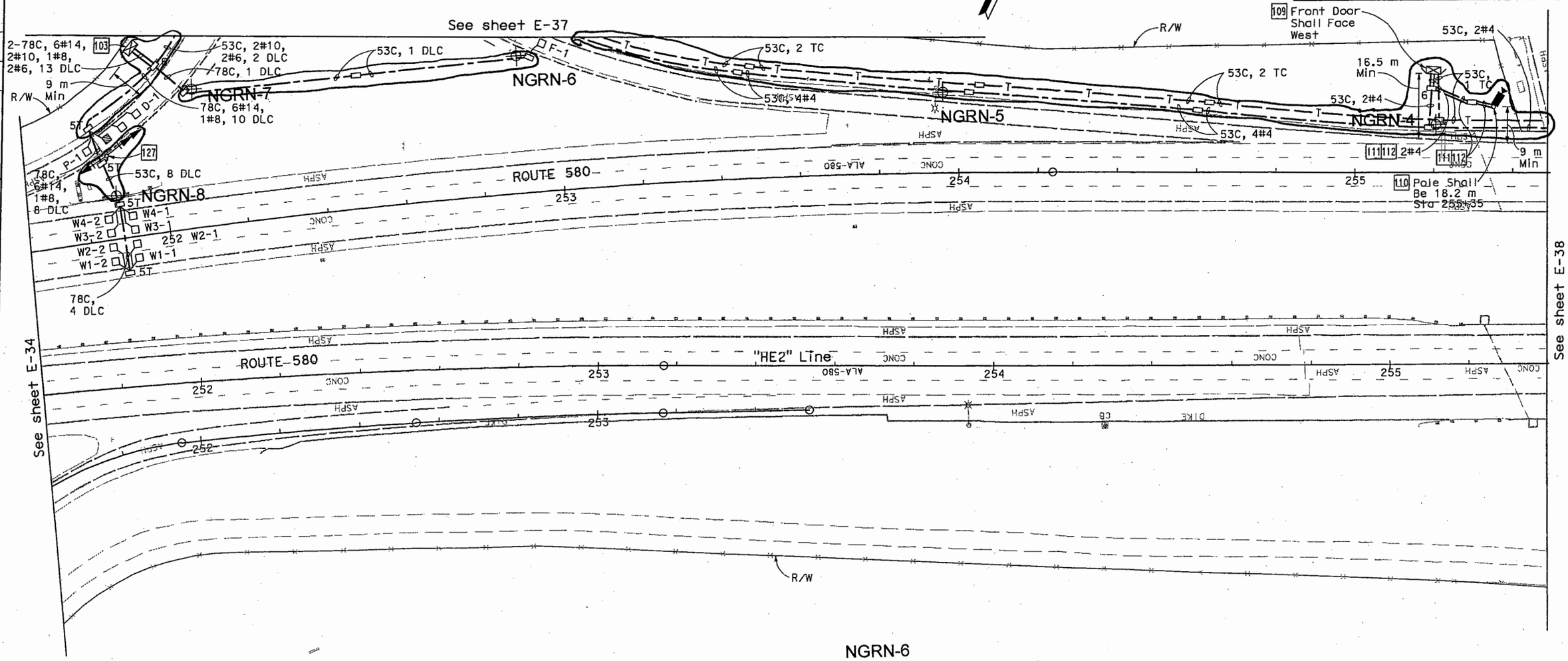
REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

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.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607



NGRN-6 — Sample Location and Designation

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 15)

SCALE 1:500

PLATE 41

E-36

AGS, Inc. Consulting Engineers

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN OVERSIGHT

CALCULATED/DESIGNED BY | CHECKED BY | DATE REVISED 01/06 | REVISED BY | DATE REVISED 01/06

LAST REVISION | FILE: P:\320076\Sheets\WB-TOS\580E-36WB.dgn

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80 | USERNAME => $USER

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	Ala, CC	84, 580, 680	Var		

Caltrans Metric

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

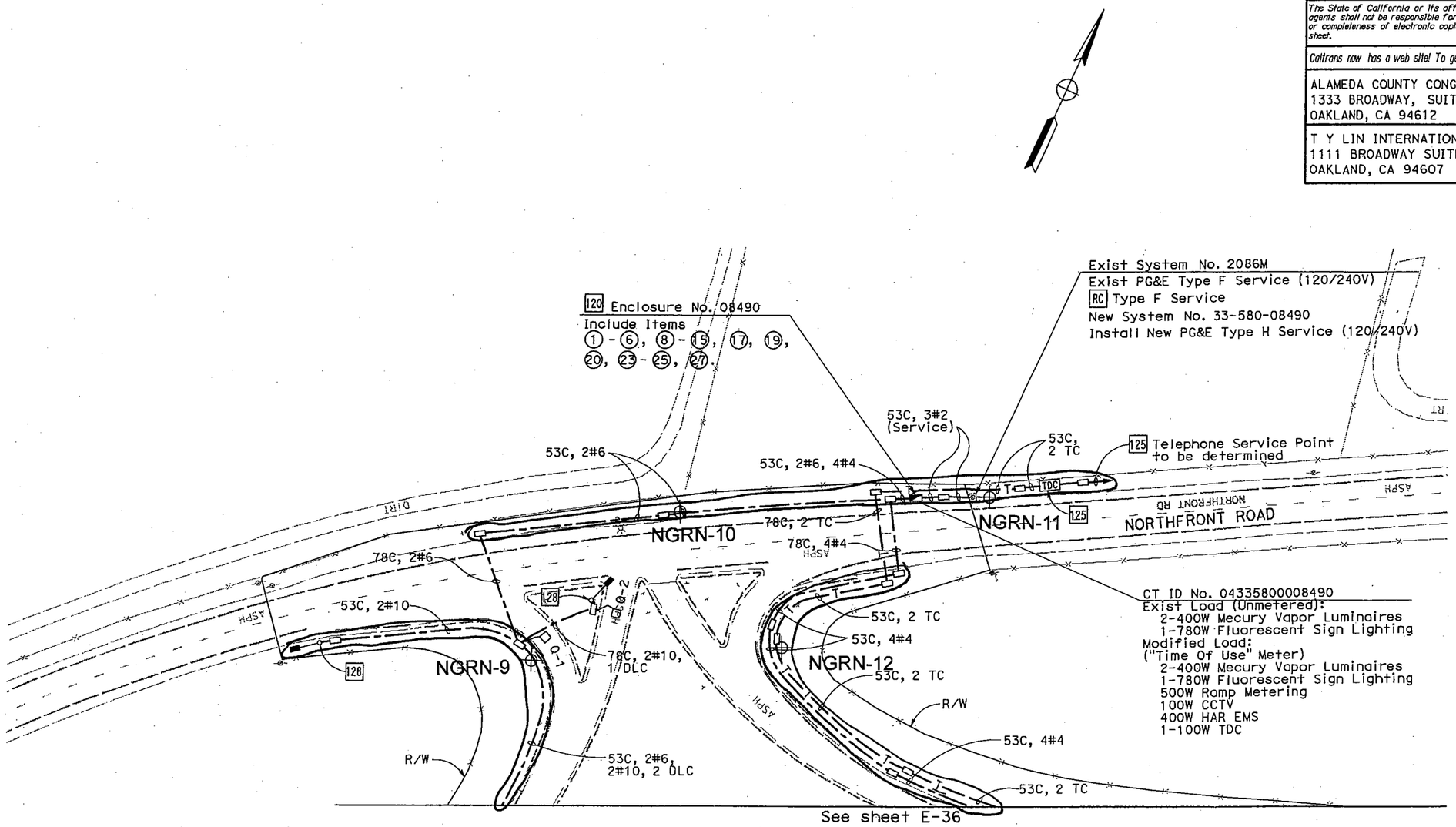
REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

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.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607



NGRN-10
Sample Location and Designation

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 15)

SCALE 1:500

PLATE 42
E-37

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

AGS, Inc. Consulting Engineers

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT

CALCULATED/ DESIGNED BY	DATE	REVISED BY
---	01/06	
CHECKED BY	---	01/06	DATE REVISED

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

LAST REVISION 00-00-00

FILE: P:\320076\Sheets\WB-TOS\580E-37WB.dgn

DIST	COUNTY	ROUTE	TOTAL PROJECT	NO	SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

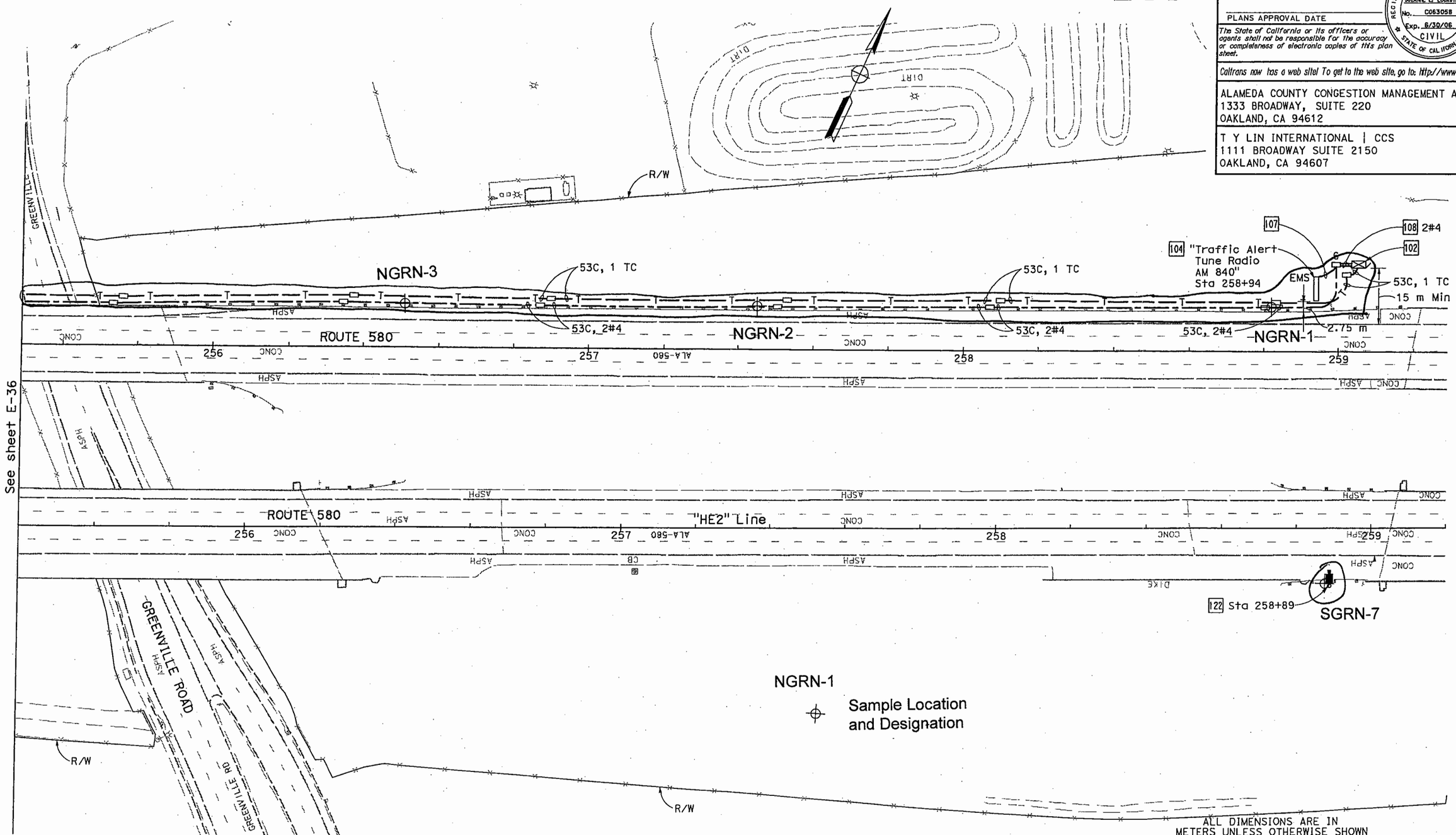
REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJIFF No. C063058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

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.

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

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607



FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET E-1

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC OPERATIONS SYSTEM (LOCATION 16)

SCALE 1:500

AGS, Inc. Consulting Engineers

PLATE 43
E-38

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT

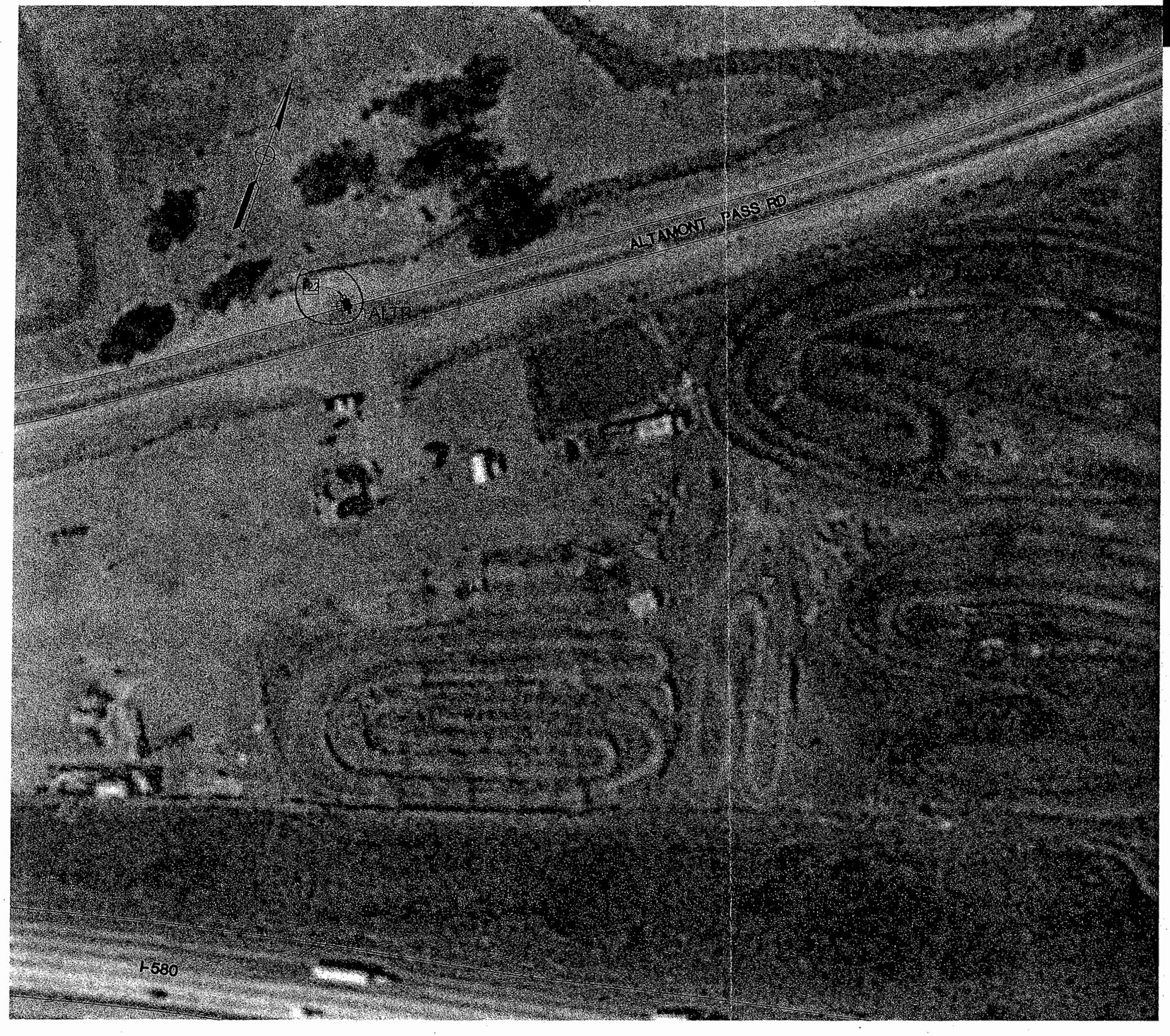
CALCULATED/ DESIGNED BY	DATE	REVISED BY
---	01/06	
CHECKED BY	---	01/06 DATE REVISED

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => $USER

LAST REVISION 00-00-00

FILE: P:\320076\Sheets\WB-TOS\580E-38WB.dgn



Caltrans Metric

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJFF No. 63058 Exp. 6/30/06 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.

Caltrans now has a website! To get to the website, go to: http://www.dot.ca.gov

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers

ALTR-1

Sample Location and Designation

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

TRAFFIC OPERATIONS SYSTEM (CITY STREET) (LOCATION 30)

SCALE: 1:500

PLATE 44
E-52

CALCULATED/ DESIGNED BY	---	01/06	REVISED BY
CHECKED BY	---	01/06	DATE REVISED

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

DATE PLOTTED => 01-AUG-2005
TIME PLOTTED => 05:00 PM
LAST REVISION 00-00-00

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

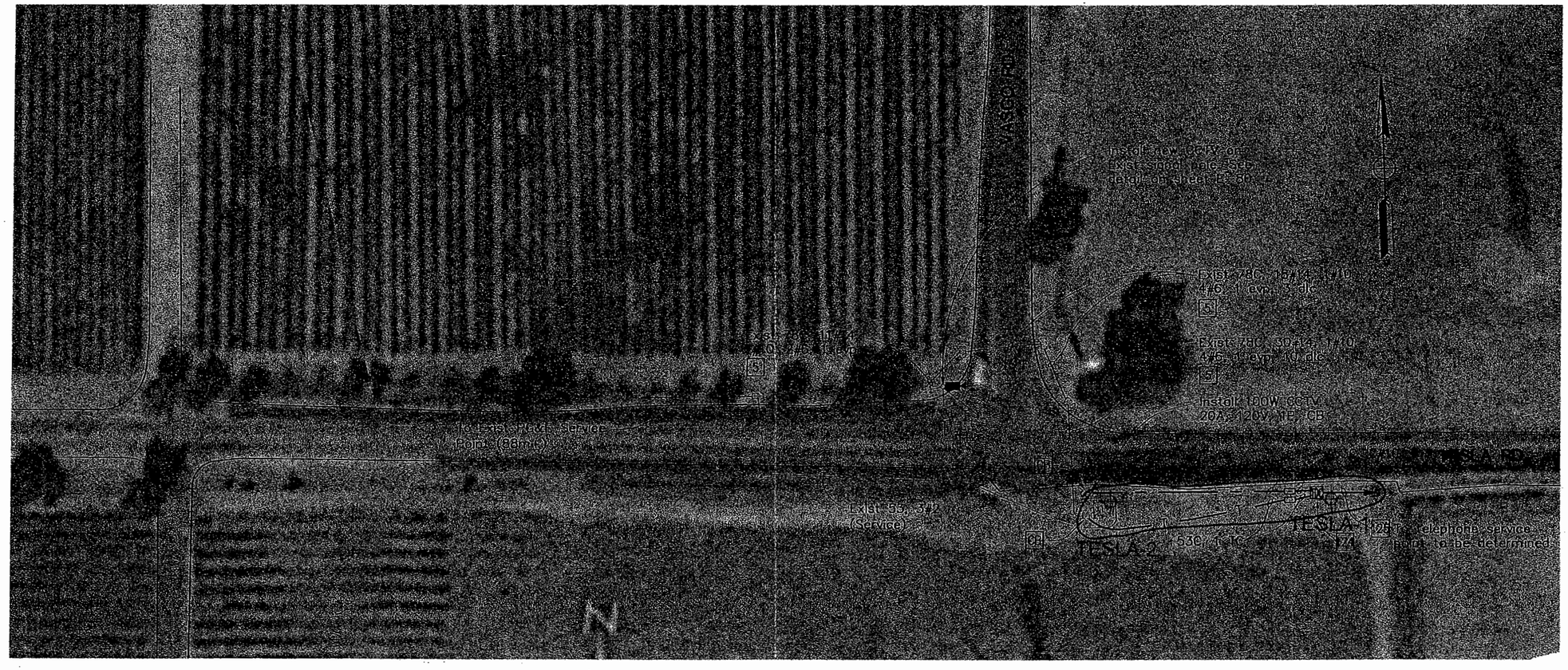
REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKOFF No. 63058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

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.

Caltrans now has a website! To get to the website, go to: http://www.dot.ca.gov

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607



TESLA-1

Sample Location and Designation

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

TRAFFIC OPERATIONS SYSTEM (CITY STREET) (LOCATION 28)

SCALE: 1:500

PLATE 45
E-50

AGS, Inc.
Consulting Engineers

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT

CALCULATED/DESIGNED BY --- DATE 02/06 REVISED BY
CHECKED BY --- 02/06 DATE REVISED

LAST REVISION 00 00 00

P:\3200076\Sheets\WB-TOS\E-50.dwg 2-09-06 03:27:31 PM dsato

USERNAME => KOUYANG

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala, CC	84, 580, 680	Var		

Caltrans Metric

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

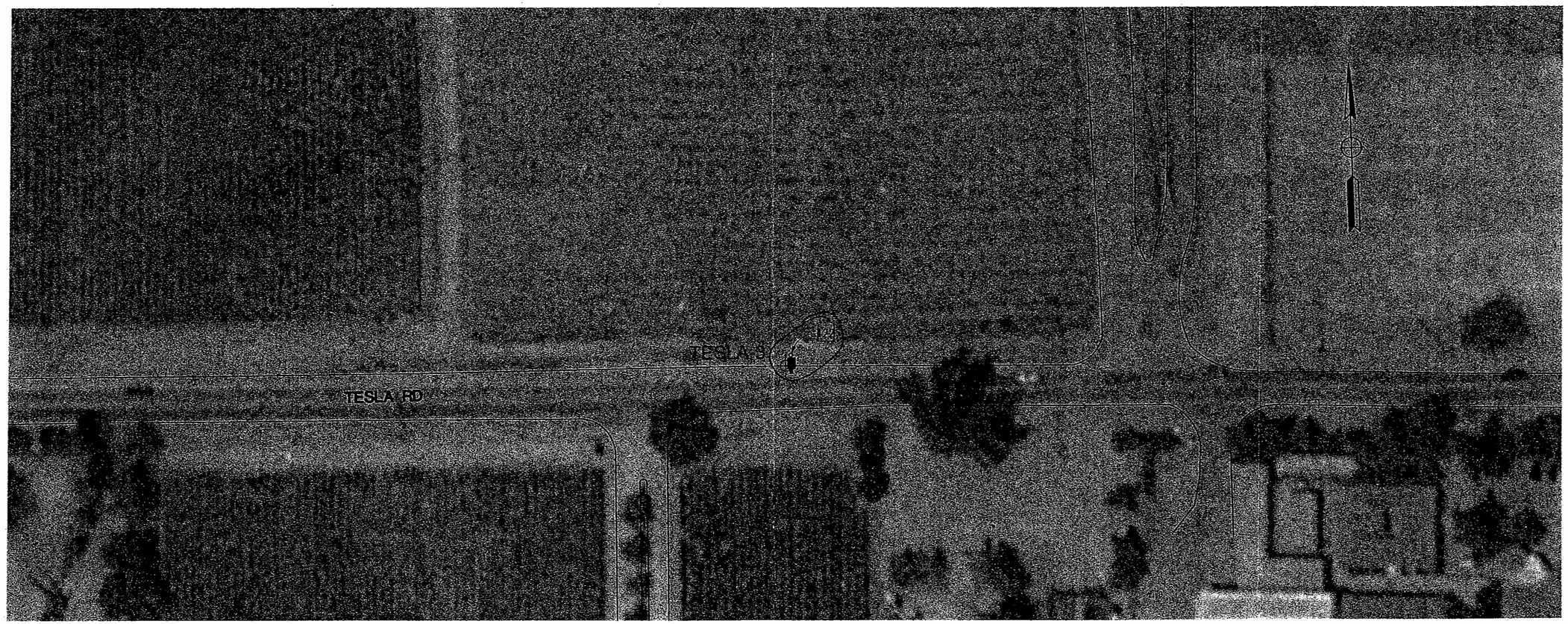
REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJFF No. 63058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

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.

Caltrans now has a website! To get to the website, go to: http://www.dot.ca.gov

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607



TESLA-3 Sample Location and Designation

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

TRAFFIC OPERATIONS SYSTEM (CITY STREET) (LOCATION 27)

SCALE: 1:500

PLATE 46

E-49

AGS, Inc. Consulting Engineers

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

FOR REDUCED PLANS 0 20 40 60 80 100

USERNAME => KOUYANG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN OVERSIGHT

CALCULATED/DESIGNED BY --- DATE 01/06 REVISED BY

CHECKED BY --- 01/06 DATE REVISED

LAST REVISION 00-00-00

DATE PLOTTED => 01-AUG-2005

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

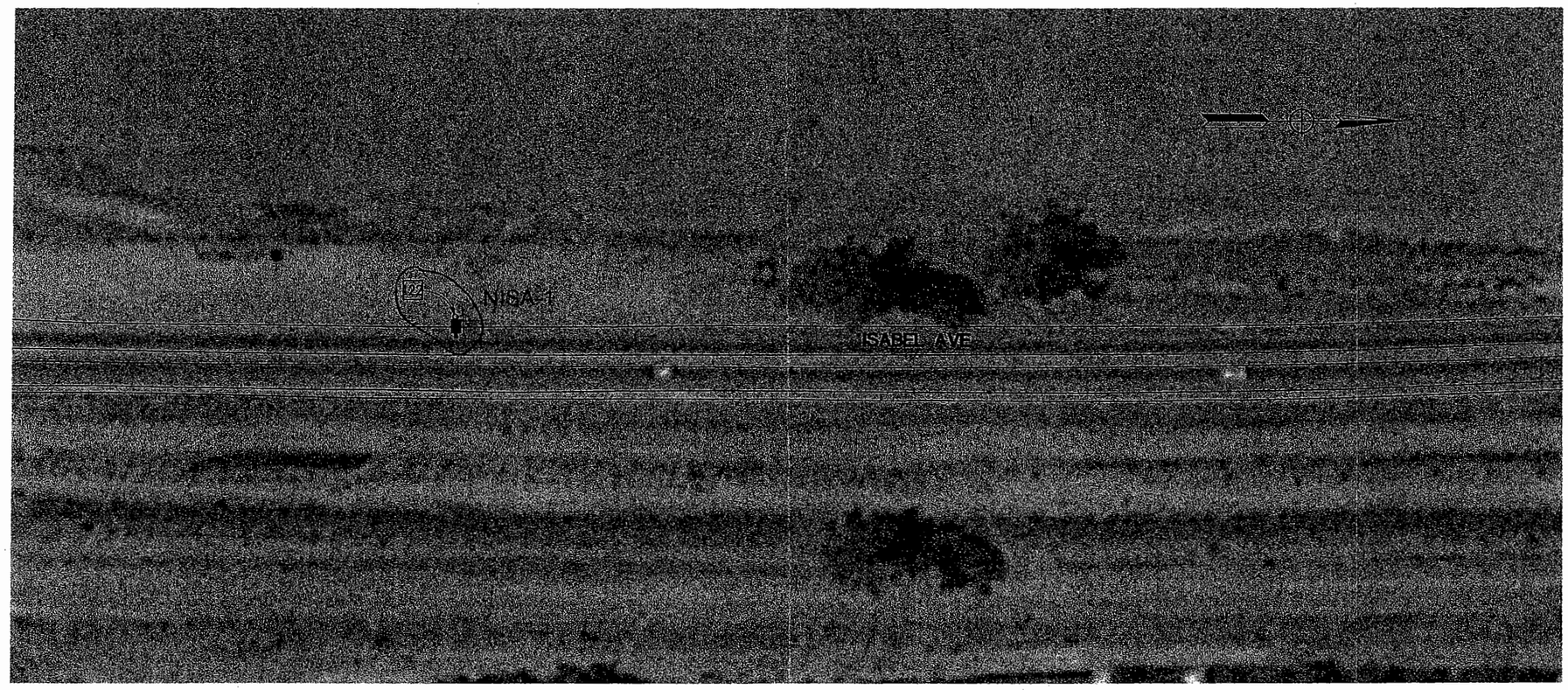
REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJFF No. 63058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

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.

Caltrans now has a website! To get to the website, go to: http://www.dot.ca.gov

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607



NISA-1

Sample Location and Designation

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

TRAFFIC OPERATIONS SYSTEM (CITY STREET) (LOCATION 26)

SCALE: 1:500

PLATE 47
E-48

AGS, Inc.
Consulting Engineers

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

DESIGN OVERSIGHT

CALCULATED/DESIGNED BY

CHECKED BY

DATE	REVISED BY
---	---
01/06	01/06
DATE	REVISED

LAST REVISION 00-00-00

DATE PLOTTED => 01-AUG-2005
TIME PLOTTED => 05:00 PM

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJFF No. 63058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

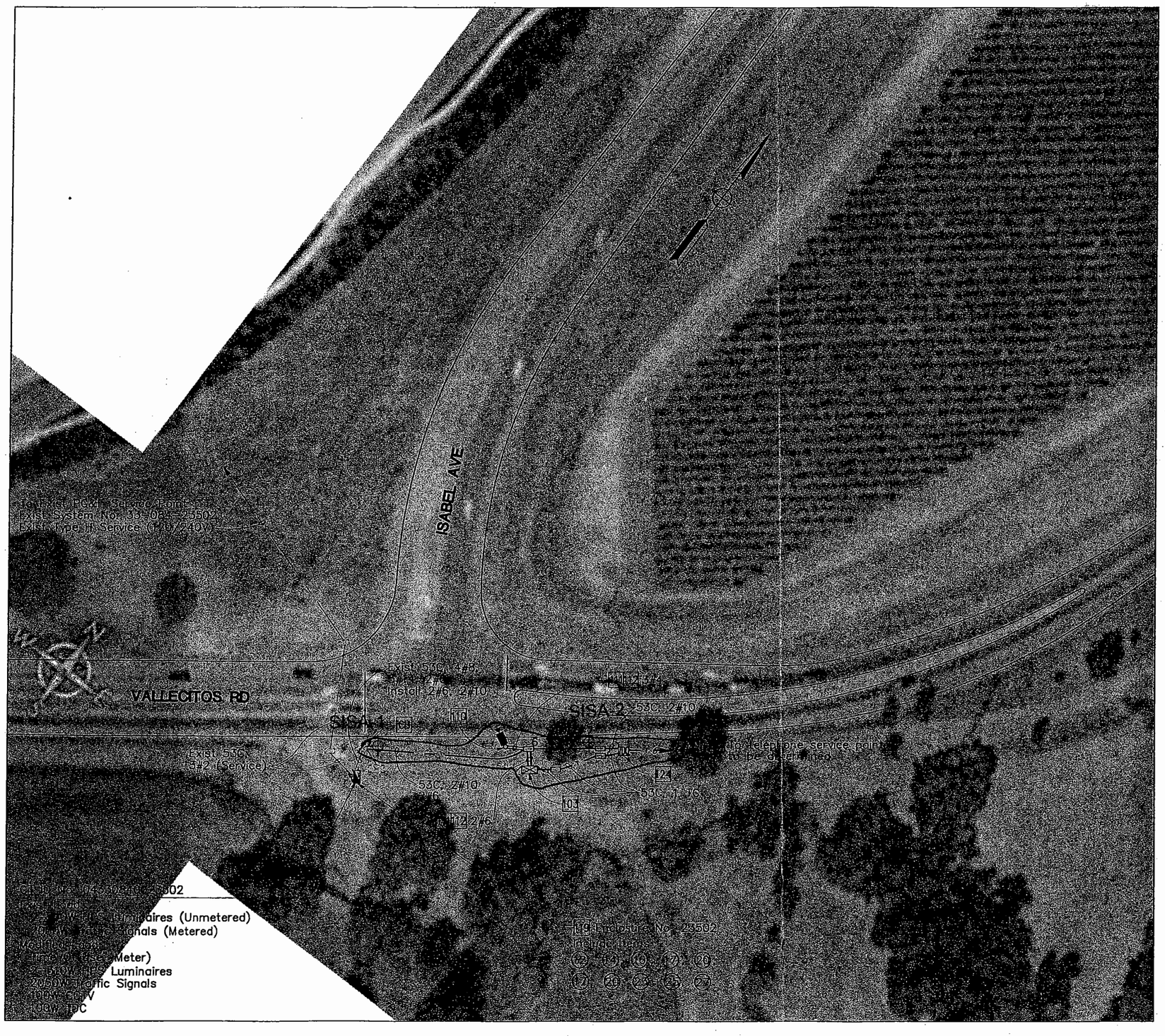
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

Caltrans now has a website! To get to the website, go to: http://www.dot.ca.gov

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers



SISA-1
Sample Location and Designation

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

TRAFFIC OPERATIONS SYSTEM (LOCATION 25)

SCALE: 1:500

PLATE 48
E-47

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT

CALCULATED/ DESIGNED BY	---	DATE 02/06	REVISED BY
CHECKED BY	---	02/06	DATE REVISED

LAST REVISION 00-00-00
P:\320076\Sheets\WB-TOS\E-47.dwg 2-09-06 03:29:29 PM desto

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKJFF No. 63058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

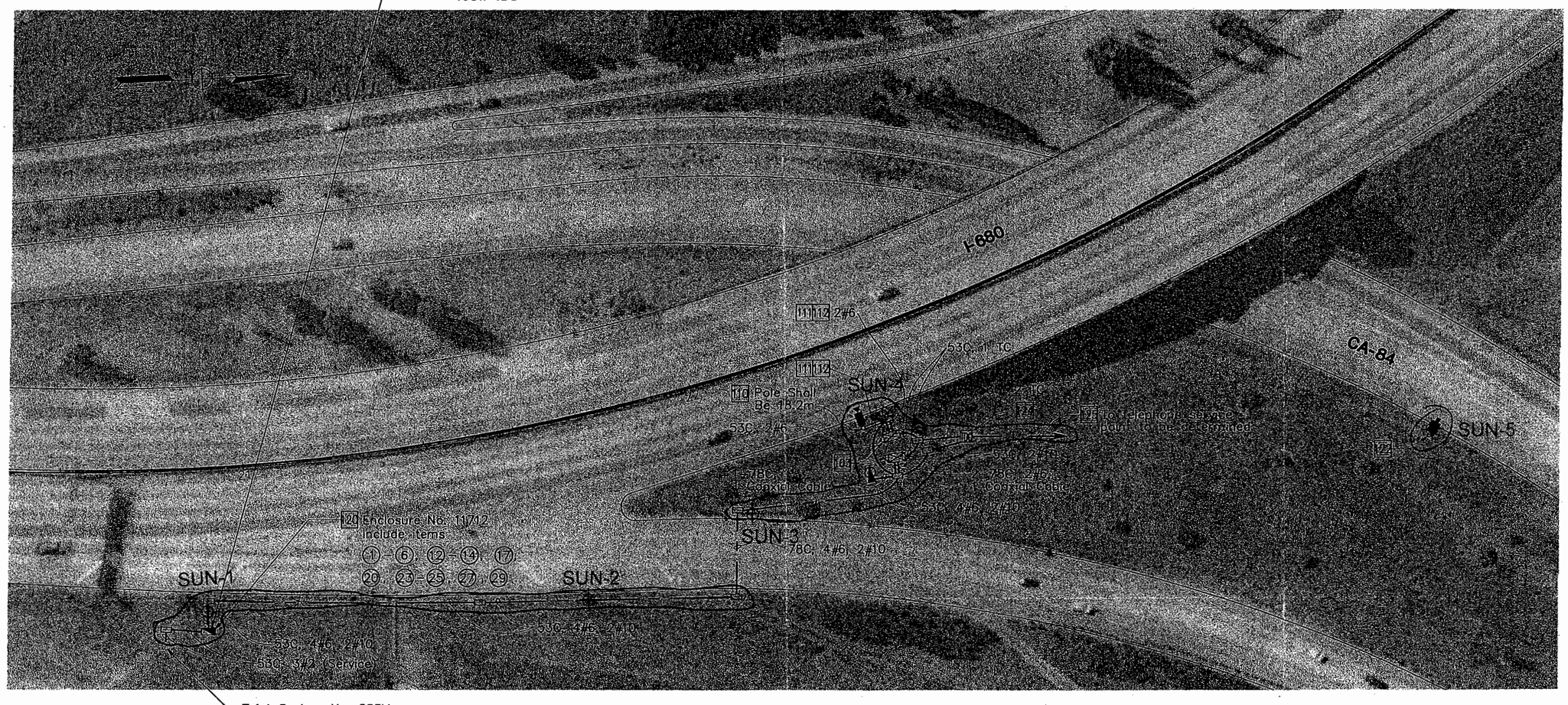
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

Caltrans now has a website! To get to the website, go to: http://www.dot.ca.gov

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

CT ID No. 04336800011712
Exist Load:
15–400W Mercury Vapor Electroller
1–175W Mercury Vapor Soffit
1048W FL Lighting (Unmetered)
917W FL Lighting (Unmetered)
917W FL Lighting (Unmetered)
1179W FL Lighting (Unmetered)
Modified Load:
("Time Of Use" Meter)
15–400W Mercury Vapor Electroller
1–175W Mercury Vapor Soffit
1048W FL Lighting
917W FL Lighting
917W FL Lighting
1179W FL Lighting
100W CCTV
250W HAR
100W TDC



Exist System No. 885M
Exist PG&E Pole (240/480V)
New System No. 33–680–11712
Install New PG&E Type H Service (120/240V)

SUN-1
Sample Location and Designation

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

TRAFFIC OPERATIONS SYSTEM (LOCATION 19)

SCALE: 1:500

PLATE 49
E-41

AGS, Inc.
Consulting Engineers

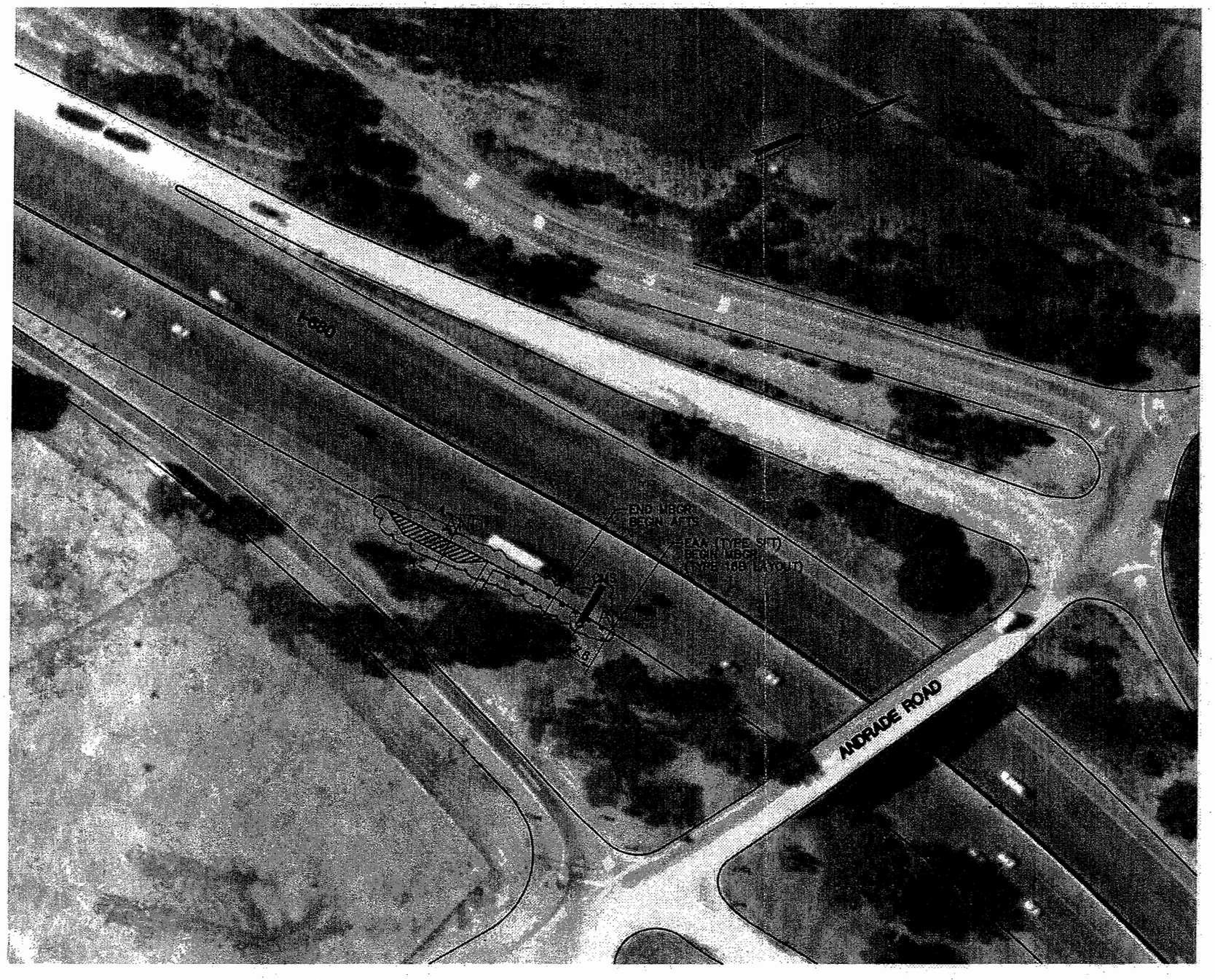
STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT

CALCULATED/DESIGNED BY --- DATE 01/06 REVISED BY
CHECKED BY --- 01/06 DATE REVISED

LAST REVISION 00 00 00
P:\320076\Sheets\WB-TOS\E-41.dwg 2-07-06 01:57:11 PM kouyang

For complete R/W and accurate access data, see R/W Record Maps at District Office.



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala, CC	84, 580 680	Var		

Caltrans Metric

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James T. Pun No. C35305 Exp. 09/30/07 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.

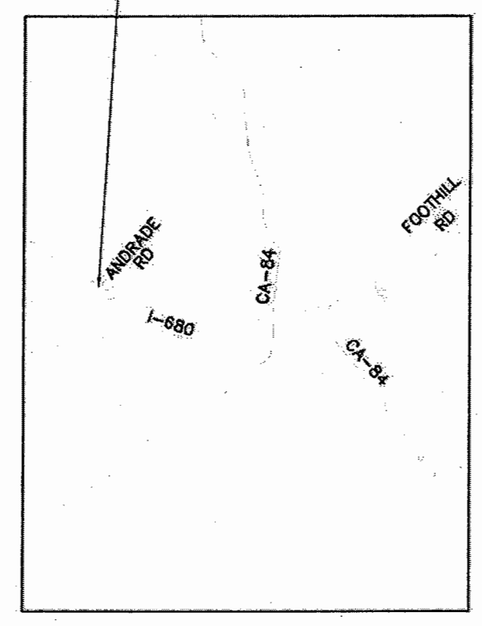
Caltrans now has a website! To get to the website, go to: http://www.dot.ca.gov

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers

LOCATION 20



KEY MAP
N.T.S.

AND-1

⌖ Sample Location and Designation

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

LAYOUT
(LOCATION 20)
SCALE: 1:500

PLATE 50
L-15

FOR NOTES, ABBREVIATIONS AND/OR LEGEND, SEE SHEET L-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: STEPHEN HAAS

CALCULATED/ DESIGNED BY	MOJ	DATE 01/06	REVISED BY
CHECKED BY	JTP	01/06	DATE REVISED

FILE: P:\320076\Sheets\WB-TOS\580L-15WB.dwg

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala, CC	84, 580, 680	Var		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUZANNE L. LUCKOFF No. 63058 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

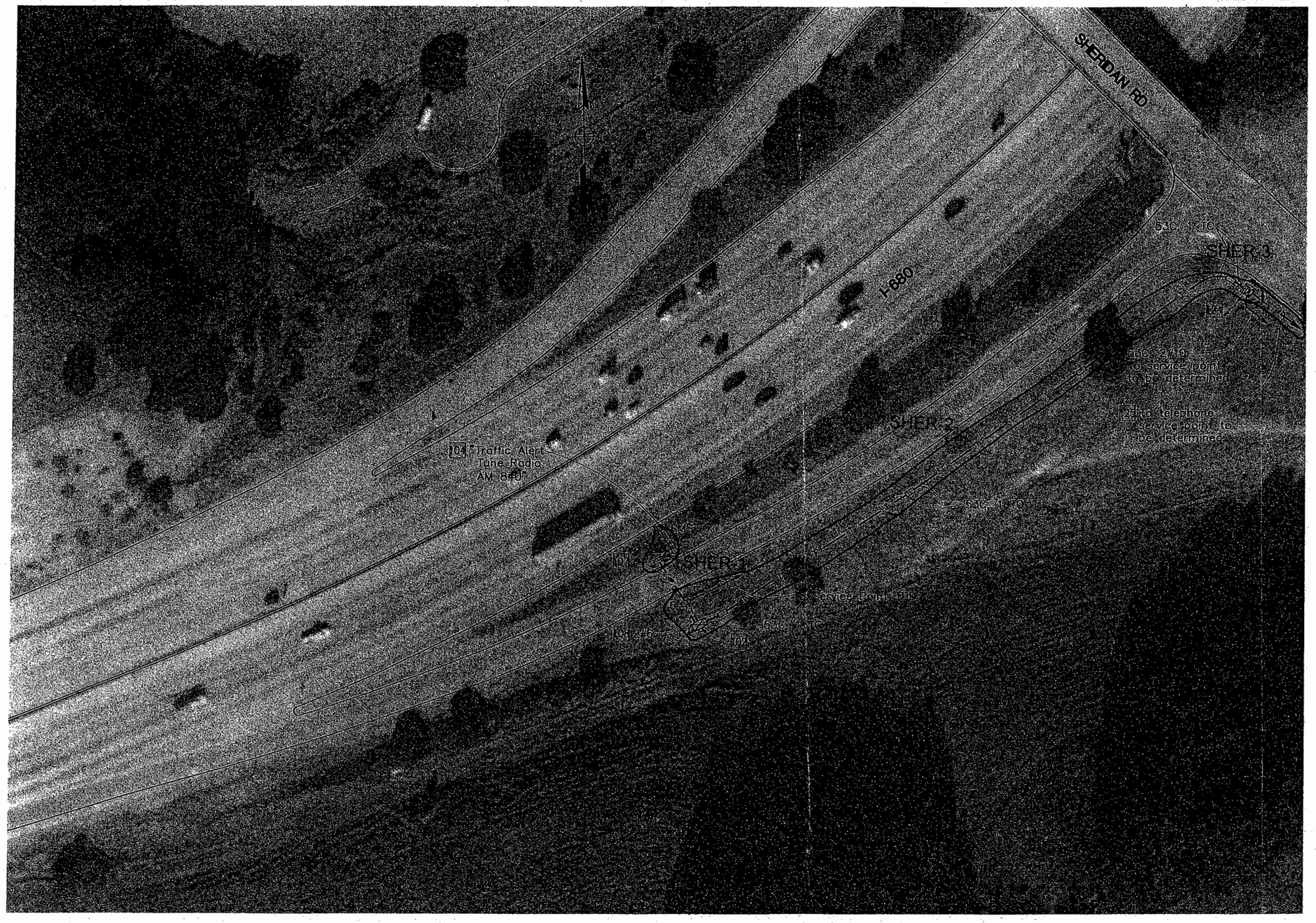
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

Caltrans now has a website! To get to the website, go to: http://www.dot.ca.gov

ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY
1333 BROADWAY, SUITE 220
OAKLAND, CA 94612

T Y LIN INTERNATIONAL | CCS
1111 BROADWAY SUITE 2150
OAKLAND, CA 94607

AGS, Inc.
Consulting Engineers



SHER-1
Sample Location and Designation

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

TRAFFIC OPERATIONS SYSTEM (LOCATION 21)

PLATE 51

SCALE: 1:500

E-43

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

DATE	REVISED BY	DATE	REVISED BY
---	01/06	---	01/06

CALCULATED/DESIGNED BY

CHECKED BY

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DATE PLOTTED => 01-AUG-2005

TIME PLOTTED => 05:00 PM

LAST REVISION 00-00-00

USERNAME => KOUYANG

APPENDIX A

LABORATORY TEST REPORTS

AGS

TOTAL THRESHOLD LIMIT CONCENTRATION LABORATORY TEST RESULTS

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

AGS, Inc.
364 14th Street
Suite 500
Oakland, CA 94612

Date: 09-MAY-06
Lab Job Number: 186153
Project ID: KF0209
Location: I-580 EB HOV TMP TOS/ITS Project

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

This package may be reproduced only in its entirety.

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	186153
Client:	AGS, Inc.
Project:	KF0209
Location:	I-580 EB HOV TMP TOS/ITS Project
Request Date:	04/12/06, 04/25/06
Samples Received:	04/12/06

This hardcopy data package contains sample and QC results for eighty soil samples, requested for the above referenced project on 04/12/06 and 04/25/06. The samples were received cold and intact.

Metals (EPA 6010B):

Low recovery was observed for lead in the MS of NVAS-8B (lab # 186153-042); the BS/BSD were within limits. High RPD was also observed for lead in the MS/MSD of NVAS-8B (lab # 186153-042); the RPD was acceptable in the BS/BSD. No other analytical problems were encountered.

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186153

Sampler: D. Herold

Report To: D Herold dherold@agsinc.com

Company: AGS, Inc.

Telephone: (510) 251-1180 x19

Fax: (510) 251-1190

Project No.: KF0209

Project Name: I 580/680 Pb Sampling

Project P.O.:

Turnaround Time: Standard

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	Total Lead (EPA 6010)	Hold for more testing!
-1	NLiv-1A	4/6/6	X			1 Tube				X	X	
-2	NLiv-2A	4/6/6	X			1				X	X	
-3	NLiv-3A		X			1				X	X	
-4	NLiv-4A		X			1				X	X	
-5	NLiv-5A		X			1				X	X	
-6	NLiv-6A		X			1				X	X	
-7	NLiv-7A		X			1				X	X	
-8	NLiv-8A		X			1				X	X	
-9	NLiv-9A		X			1				X	X	
-10	NLiv-10A		X			1				X	X	
-11	NVas-1A	4/7/6 1042	X			1 Tube				X	X	
-12	NVas-3A	" 1226	X			1 Tube				X	X	
-13	NVas-5A	" 1302	X			1 Tube				X	X	

Notes: Hold samples for additional testing.
Sample from bottom of all tubes

SAMPLE RECEIPT
☐ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
4/12/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
4-12-06 4:55pm DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186153

Sampler: D. Herold

Project No.: KF0209

Report To: Doug Herold

Project Name: I 580/680 Pb Sampling

Company: AGS, Inc

Project P.O.:

Telephone: (510) 251-1180 x19

Turnaround Time: Standard

Fax: (510) 251-1190

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		Analysis: Soluble threshold Limit Concentration (Pb)	DI water waste Extraction (Pb)
-14	NLiv - 1B	4/6/06	X				1 Tube				X			
-15	NLiv - 2B		X				1				X			
-16	NLiv - 3B		X				1				X			
-17	NLiv - 4B		X				1				X			
-18	NLiv - 5B		X				1				X			
-19	NLiv - 6B		X				1				X			
-20	NLiv - 7B		X				1				X			
-21	NLiv - 8B		X				1				X			
-22	NLiv - 9B		X				1				X			
-23	NLiv - 10B		X				1				X			
-24	NVas - 1B	4/7/06 1050	X				1 Tube				X			
-25	NVas - 3B	4/7/06 1235	X				1 Tube				X			
-26	NVas - 5B	4/7/06 1315	X				1 Tube				X			

Notes:
Hold for additional Testing.
Sample from bottom of all Tubes.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/12/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 4-12-06 4:55p.m. DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186153

Sampler: D. Herold

Project No.: KF0209

Report To: Doug Herold

Project Name: I 580/680 Pb Sampling

Company: AGS, Inc

Project P.O.:

Telephone: (510) 251-1180 x19

Turnaround Time: Standard

Fax: (510) 251-1190

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		Analysis: Total Lead (EPA 6010)	HOLD for further testing.
-27	NVas-6A	4/7/06 1112	X				1				X		X	
-28	NVas-7A	4/7/06 1146	X				1				X		X	
-29	NVas-4A	4/10/06 1610	X				1				X		X	
-30	NVas-2A	4/10/06 16	X				1				X		X	
-31	NVas-8A	1421	X				1				X		X	
-32	NVas-9A	1350	X				1				X		X	
-33	NVas-10A	1300	X				1				X		X	
-34	NVas-11A	1240	X				1				X		X	
-35	NVas-12A	1522	X				1				X		X	
-36	NVas-13A	1550	X				1				X		X	
-37	NVas-14A	1610	X				1				X		X	

Notes:
HOLD Samples for additional Testing.
Sample from bottom of all tubes.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
4/12/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
4-12-06 4:55p.m. DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186153

Sampler: D. Hesold

Project No.: KF0209

Report To: Doug Hesold

Project Name: I 580/680 Pb Sampling

Company: AGS, Inc.

Project P.O.:

Telephone: (510) 251-1180 x19

Turnaround Time: Standard

Fax: (510) 251-1190

Analysis

Lab No.	Sample ID.	Sampling Date	Time	Matrix: Soil	Matrix: Water	Matrix: Waste		# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE		HOLD for Testing Soluble Threshold Limit Conc. (Pb)	DI Water Waste Extraction (Pb)
-38	N Vas -6B	4/7/06	1121	Y				1 Tube				X			
-39	N Vas - 7B	4/7/06	1159	Y				1				X			
-40	N Vas- 2B	4/10/06	16	Y				1				X			
-41	N Vas- 4B		1456	X				1				X			
-42	N Vas - 8B		1429	X				1				X			
-43	N Vas - 9B		1350	X				1				X			
-44	N Vas - 10B		1309	X				1				X			
-45	N Vas - 11B		1249	X				1				X			
-46	N Vas - 12B		1530	X				1				X			
-47	N Vas - 13B		1557	X				1				X			
-48	N Vas - 14B		1618	X				1				X			

Notes:
HOLD Samples for additional testing.
Sample from bottom of all tubes.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
4/12/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
4-12-06 4:55p.m DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186153

Sampler: D. Herold

Project No.: KF0209

Report To: Doug Herold

Project Name: I580/680 Pb Sampling

Company: AGS, Inc

Project P.O.:

Telephone: (510)251-1180 X19

Turnaround Time: Standard

Fax: (510)251-1190

Analysis

Lab No.	Sample ID.	Sampling Date	Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		Total Lead (EPA 6010)	HOLD for more Testing
-49	SVas-1A	4/12/06	0838	X				1 Tube				X		X	
-50	SVas-2A		0735	X				1				X		X	
-51	SVas-3A		0754	X				1				X		X	
-52	SVas-4A		0815	X				1				X		X	
-53	SVas-5A		0913	X				1				X		X	
-54	SVas-6A		0958	X				1				X		X	
-55	SVas-7A		0932	X				1				X		X	
-56	SGRN-1A		1230	X				1				X		X	
-57	SGRN-2A		1032	X				1				X		X	
-58	SGRN-3A		1051	X				1				X		X	
-59	SGRN-4A		1158	X				1				X		X	
-60	SGRN-5A		1138	X				1				X		X	
-61	SGRN-6A		1114	X				1				X		X	

Notes:
HOLD for additional testing.
Sample all tubes from bottom.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/12/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 4-12-06 4:55 p.m. DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186153

Project No.: KF0209
Project Name: I580/680 Pb Sampling
Project P.O.:
Turnaround Time: Standard

Sampler: D. Herold
Report To: Doug Herold
Company: AGS, Inc
Telephone: (510) 251-1180 x19
Fax: (510) 251-1190

Analysis: HOLD for additional Testing; Soluble Threshold Limit Conc. (Pb); DI water waste Extraction (Pb)

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		HOLD for additional Testing	Soluble Threshold Limit Conc. (Pb)	DI water waste Extraction (Pb)
-62	SVas-1B	4/12/06 0845	X				1 Tube				X				
-63	SVas-2B	0741	X				1				X				
-64	SVas-3B	0800	X				1				X				
-65	SVas-4B	0822	X				1				X				
-66	SVas-5B	0923	X				1				X				
-67	SVas-6B	1005	X				1				X				
-68	SVas-7B	0940	X				1				X				
-69	SGRN-1B	1238	X				1				X				
-70	SGRN-2B	1039	X				1				X				
-71	SGRN-3B	1058	X				1				X				
-72	SGRN-4B	1218	X				1				X				
-73	SGRN-5B	1148	X				1				X				
-74	SGRN-6B	1122	X				1				X				

Notes:
HOLD for additional Testing.
Sample all tubes from bottom

SAMPLE RECEIPT
☐ Intact ☐ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/12/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 4-12-06 4:55 p.m. DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186153

Sampler: D. Herold

Project No.: KF0209

Report To: Doug Herold

Project Name: I 580/680 Pb Sampling

Company: AGS, Inc.

Project P.O.:

Telephone: (510) 251-1180 x19

Turnaround Time: Standard

Fax: (510) 251-1190

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		Analysis: Total Lead (EPA 6010)	HOLD for additional Testing! Soluble threshold Limit Conc. (Pb)	DI water waste Extraction (Pb)
75	Tesla - 1A	4/12/06 1340	X				1 Tube				X		X		
76	Tesla - 2A	1405	X				1				X		X		
77	Tesla - 3A	1440	X				1				X		X		
78	Tesla - 1B	1352	X				1				X				
79	Tesla - 2B	1413	X				1				X				
80	Tesla - 3B	1451	X				1				X				

Notes:
HOLD samples for additional Testing.
Sample all tubes from bottom.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
4/12/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
4-12-06 4:55pm DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request By: D.Herold Date/Time: 4/25/06 12:56 Initials: SES
Login Review Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186153-014		NLIV-1B	Soil	Add	Pb	5/1
186153-015		NLIV-2B	Soil	Add	Pb	5/1
186153-016		NLIV-3B	Soil	Add	Pb	5/1
186153-017		NLIV-4B	Soil	Add	Pb	5/1
186153-018		NLIV-5B	Soil	Add	Pb	5/1
186153-019		NLIV-6B	Soil	Add	Pb	5/1
186153-020		NLIV-7B	Soil	Add	Pb	5/1
186153-021		NLIV-8B	Soil	Add	Pb	5/1
186153-022		NLIV-9B	Soil	Add	Pb	5/1
186153-023		NLIV-10B	Soil	Add	Pb	5/1
186153-024		NVAS-1B	Soil	Add	Pb	5/1
186153-025		NVAS-3B	Soil	Add	Pb	5/1
186153-026		NVAS-5B	Soil	Add	Pb	5/1
186153-038		NVAS-6B	Soil	Add	Pb	5/1
186153-039		NVAS-7B	Soil	Add	Pb	5/1
186153-040		NVAS-2B	Soil	Add	Pb	5/1
186153-041		NVAS-4B	Soil	Add	Pb	5/1

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request By: D.Herold Date/Time: 4/25/06 13:00 Initials: SES
Login Review Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186153-042		NVAS-8B	Soil	Add	Pb	5/1
186153-043		NVAS-9B	Soil	Add	Pb	5/1
186153-044		NVAS-10B	Soil	Add	Pb	5/1
186153-045		NVAS-11B	Soil	Add	Pb	5/1
186153-046		NVAS-12B	Soil	Add	Pb	5/1
186153-047		NVAS-13B	Soil	Add	Pb	5/1
186153-048		NVAS-14B	Soil	Add	Pb	5/1
186153-062		SVAS-1B	Soil	Add	Pb	5/1
186153-063		SVAS-2B	Soil	Add	Pb	5/1
186153-064		SVAS-3B	Soil	Add	Pb	5/1
186153-065		SVAS-4B	Soil	Add	Pb	5/1
186153-066		SVAS-5B	Soil	Add	Pb	5/1
186153-067		SVAS-6B	Soil	Add	Pb	5/1
186153-068		SVAS-7B	Soil	Add	Pb	5/1
186153-069		SGRN-1B	Soil	Add	Pb	5/1
186153-070		SGRN-2B	Soil	Add	Pb	5/1
186153-071		SGRN-3B	Soil	Add	Pb	5/1

CURTIS & TOMPKINS, LTD. BERKELEY

LOGIN CHANGE FORM

Reason for change: X Client Request By: D.Herold
Login Review Data Review

Date/Time: 4/25/06 13:02 Initials: SES

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186153-072		SGRN-4B	Soil	Add	Pb	5/1
186153-073		SGRN-5B	Soil	Add	Pb	5/1
186153-074		SGRN-6B	Soil	Add	Pb	5/1
186153-078		TASK-1B	Soil	Add	Pb	5/1
186153-079		TASK-2B	Soil	Add	Pb	5/1
186153-080		TASK-3B	Soil	Add	Pb	5/1

Steven Stanley

From: "Doug Herold" <dherold@agsinc.com>
To: <steve@ctberk.com>
Sent: Monday, April 24, 2006 10:13 AM
Subject: Additional testing for I-580 samples

Steve,

Please note that I was requested to have the final reports for all the testing include the name of the project as "I-580 EB HOV TMP TOS/ITS Project" as I wrote on the final 2 CoCs Thursday and Friday oof last week. Please make this change on all the previous submissions.

My boss has requested that I request total lead testing (EPA 6010) on all the B samples. Please put this test request into the system.
This applies to the samples listed on CoCs #186002, 186153, 186201, 186299, and the samples I brought in on Friday, 4/21, for which I have not received a lab number on.

Also, be advised that we are expected to run (or have you run) the soluble threshold limit concentration test for lead and the de-ionized water waste extraction lead test on all samples with a total lead at or above 50. Do not discard ANY samples. If your hold period for anything expires, give me a buzz, call or email, and I will come pick them up.

Thank you.

Doug Herold

AGS, Inc.
T: (510) 251-1180 x19
F: (510) 251-1190
M: (415) 342-2515
E: dherold@agsinc.com

Curtis & Tompkins, Ltd.

Lead

Lab #:	186153	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	EPA 3050B
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Basis:	as received
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Received:	04/12/06

Field ID	Type	Lab ID	Result	RL	Batch#	Sampled	Prepared	Analyzed
NLIV-1A	SAMPLE	186153-001	5.6	0.14	112414	04/06/06	04/15/06	04/17/06
NLIV-2A	SAMPLE	186153-002	5.1	0.13	112414	04/06/06	04/15/06	04/17/06
NLIV-3A	SAMPLE	186153-003	15	0.12	112414	04/06/06	04/15/06	04/17/06
NLIV-4A	SAMPLE	186153-004	8.0	0.13	112414	04/06/06	04/15/06	04/17/06
NLIV-5A	SAMPLE	186153-005	4.1	0.13	112414	04/06/06	04/15/06	04/17/06
NLIV-6A	SAMPLE	186153-006	4.2	0.15	112414	04/06/06	04/15/06	04/17/06
NLIV-7A	SAMPLE	186153-007	6.2	0.13	112414	04/06/06	04/15/06	04/17/06
NLIV-8A	SAMPLE	186153-008	14	0.14	112414	04/06/06	04/15/06	04/17/06
NLIV-9A	SAMPLE	186153-009	9.3	0.15	112414	04/06/06	04/15/06	04/17/06
NLIV-10A	SAMPLE	186153-010	9.3	0.12	112414	04/06/06	04/15/06	04/17/06
NVAS-1A	SAMPLE	186153-011	93	0.15	112414	04/07/06	04/15/06	04/17/06
NVAS-3A	SAMPLE	186153-012	25	0.16	112414	04/07/06	04/15/06	04/17/06
NVAS-5A	SAMPLE	186153-013	23	0.096	112414	04/07/06	04/15/06	04/17/06
NLIV-1B	SAMPLE	186153-014	2.5	0.15	112864	04/06/06	04/28/06	04/28/06
NLIV-2B	SAMPLE	186153-015	33	0.15	112864	04/06/06	04/28/06	04/28/06
NLIV-3B	SAMPLE	186153-016	7.1	0.15	112864	04/06/06	04/28/06	04/28/06
NLIV-4B	SAMPLE	186153-017	8.8	0.15	112864	04/06/06	04/28/06	04/28/06
NLIV-5B	SAMPLE	186153-018	4.3	0.15	112864	04/06/06	04/28/06	04/28/06
NLIV-6B	SAMPLE	186153-019	3.2	0.15	112864	04/06/06	04/28/06	04/28/06
NLIV-7B	SAMPLE	186153-020	6.7	0.15	112864	04/06/06	04/28/06	04/28/06
NLIV-8B	SAMPLE	186153-021	23	0.15	112864	04/06/06	04/28/06	04/28/06
NLIV-9B	SAMPLE	186153-022	4.8	0.15	112864	04/06/06	04/28/06	04/28/06
NLIV-10B	SAMPLE	186153-023	13	0.15	112864	04/06/06	04/28/06	04/28/06
NVAS-1B	SAMPLE	186153-024	4.4	0.15	112864	04/07/06	04/28/06	04/28/06
NVAS-3B	SAMPLE	186153-025	25	0.15	112864	04/07/06	04/28/06	04/28/06
NVAS-5B	SAMPLE	186153-026	7.4	0.15	112864	04/07/06	04/28/06	04/28/06
NVAS-6A	SAMPLE	186153-027	8.9	0.15	112414	04/07/06	04/15/06	04/17/06
NVAS-7A	SAMPLE	186153-028	19	0.12	112414	04/07/06	04/15/06	04/17/06
NVAS-4A	SAMPLE	186153-029	22	0.14	112414	04/10/06	04/15/06	04/17/06
NVAS-2A	SAMPLE	186153-030	16	0.15	112414	04/10/06	04/15/06	04/17/06
NVAS-8A	SAMPLE	186153-031	6.2	0.16	112414	04/10/06	04/15/06	04/17/06
NVAS-9A	SAMPLE	186153-032	17	0.13	112414	04/10/06	04/15/06	04/17/06
NVAS-10A	SAMPLE	186153-033	7.3	0.13	112414	04/10/06	04/15/06	04/17/06
NVAS-11A	SAMPLE	186153-034	13	0.14	112415	04/10/06	04/15/06	04/17/06
NVAS-12A	SAMPLE	186153-035	11	0.12	112415	04/10/06	04/15/06	04/17/06
NVAS-13A	SAMPLE	186153-036	14	0.12	112415	04/10/06	04/15/06	04/17/06
NVAS-14A	SAMPLE	186153-037	22	0.13	112415	04/10/06	04/15/06	04/17/06
NVAS-6B	SAMPLE	186153-038	5.7	0.15	112864	04/07/06	04/28/06	04/28/06
NVAS-7B	SAMPLE	186153-039	15	0.15	112864	04/07/06	04/28/06	04/28/06
NVAS-2B	SAMPLE	186153-040	8.5	0.15	112864	04/10/06	04/28/06	04/28/06
NVAS-4B	SAMPLE	186153-041	40	0.15	112864	04/10/06	04/28/06	04/28/06
NVAS-8B	SAMPLE	186153-042	8.6	0.15	112868	04/10/06	04/28/06	04/28/06
NVAS-9B	SAMPLE	186153-043	41	0.15	112868	04/10/06	04/28/06	04/28/06
NVAS-10B	SAMPLE	186153-044	6.1	0.15	112868	04/10/06	04/28/06	04/28/06
NVAS-11B	SAMPLE	186153-045	18	0.15	112868	04/10/06	04/28/06	04/28/06
NVAS-12B	SAMPLE	186153-046	6.5	0.15	112868	04/10/06	04/28/06	04/28/06
NVAS-13B	SAMPLE	186153-047	7.9	0.15	112868	04/10/06	04/28/06	04/28/06
NVAS-14B	SAMPLE	186153-048	9.7	0.15	112868	04/10/06	04/28/06	04/28/06
SVAS-1A	SAMPLE	186153-049	21	0.16	112415	04/12/06	04/15/06	04/17/06
SVAS-2A	SAMPLE	186153-050	8.0	0.11	112415	04/12/06	04/15/06	04/17/06
SVAS-3A	SAMPLE	186153-051	17	0.13	112415	04/12/06	04/15/06	04/17/06
SVAS-4A	SAMPLE	186153-052	20	0.16	112415	04/12/06	04/15/06	04/17/06
SVAS-5A	SAMPLE	186153-053	93	0.11	112415	04/12/06	04/15/06	04/17/06
SVAS-6A	SAMPLE	186153-054	20	0.15	112415	04/12/06	04/15/06	04/17/06
SVAS-7A	SAMPLE	186153-055	22	0.14	112415	04/12/06	04/15/06	04/17/06
SGRN-1A	SAMPLE	186153-056	12	0.12	112415	04/12/06	04/15/06	04/17/06

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Lead

Lab #:	186153	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	EPA 3050B
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Basis:	as received
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Received:	04/12/06

Field ID	Type	Lab ID	Result	RL	Batch#	Sampled	Prepared	Analyzed
SGRN-2A	SAMPLE	186153-057	20	0.15	112415	04/12/06	04/15/06	04/17/06
SGRN-3A	SAMPLE	186153-058	7.6	0.16	112415	04/12/06	04/15/06	04/17/06
SGRN-4A	SAMPLE	186153-059	9.1	0.17	112415	04/12/06	04/15/06	04/17/06
SGRN-5A	SAMPLE	186153-060	3.5	0.14	112415	04/12/06	04/15/06	04/17/06
SGRN-6A	SAMPLE	186153-061	2.5	0.14	112415	04/12/06	04/15/06	04/17/06
SVAS-1B	SAMPLE	186153-062	50	0.15	112868	04/12/06	04/28/06	04/28/06
SVAS-2B	SAMPLE	186153-063	4.9	0.15	112868	04/12/06	04/28/06	04/28/06
SVAS-3B	SAMPLE	186153-064	4.2	0.15	112868	04/12/06	04/28/06	04/28/06
SVAS-4B	SAMPLE	186153-065	14	0.15	112868	04/12/06	04/28/06	04/28/06
SVAS-5B	SAMPLE	186153-066	6.4	0.15	112868	04/12/06	04/28/06	04/28/06
SVAS-6B	SAMPLE	186153-067	15	0.15	112868	04/12/06	04/28/06	04/28/06
SVAS-7B	SAMPLE	186153-068	9.9	0.15	112868	04/12/06	04/28/06	04/28/06
SGRN-1B	SAMPLE	186153-069	6.0	0.15	112868	04/12/06	04/28/06	04/28/06
SGRN-2B	SAMPLE	186153-070	5.5	0.15	112868	04/12/06	04/28/06	04/28/06
SGRN-3B	SAMPLE	186153-071	6.2	0.15	112868	04/12/06	04/28/06	04/28/06
SGRN-4B	SAMPLE	186153-072	5.5	0.15	112866	04/12/06	04/28/06	05/01/06
SGRN-5B	SAMPLE	186153-073	7.7	0.15	112866	04/12/06	04/28/06	05/01/06
SGRN-6B	SAMPLE	186153-074	7.1	0.15	112866	04/12/06	04/28/06	05/01/06
TESLA-1A	SAMPLE	186153-075	15	0.14	112415	04/12/06	04/15/06	04/17/06
TESLA-2A	SAMPLE	186153-076	36	0.10	112415	04/12/06	04/15/06	04/17/06
TESLA-3A	SAMPLE	186153-077	22	0.15	112415	04/12/06	04/15/06	04/17/06
TESLA-1B	SAMPLE	186153-078	4.5	0.15	112866	04/12/06	04/28/06	05/01/06
TESLA-2B	SAMPLE	186153-079	5.1	0.15	112866	04/12/06	04/28/06	05/01/06
TESLA-3B	SAMPLE	186153-080	4.8	0.15	112866	04/12/06	04/28/06	05/01/06
	BLANK	QC335881	ND	0.15	112414		04/15/06	04/17/06
	BLANK	QC335886	ND	0.15	112415		04/15/06	04/17/06
	BLANK	QC337703	ND	0.15	112864		04/28/06	04/28/06
	BLANK	QC337715	ND	0.15	112866		04/28/06	05/01/06
	BLANK	QC337724	ND	0.15	112868		04/28/06	04/28/06

ND= Not Detected
RL= Reporting Limit

ch QC Report

Lead

) #:	186153	Location:	I-580 EB HOV TMP TOS/ITS Project
.ent:	AGS, Inc.	Prep:	EPA 3050B
›ject#:	KF0209	Analysis:	EPA 6010B
ılyte:	Lead	Basis:	as received
:rix:	Soil	Diln Fac:	1.000
.ts:	mg/Kg	Received:	04/12/06

eld ID	Type	MSS Lab ID	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Batch#	Sampled	Prepared	Analyzed
	BS		QC335882		100.0	96.27	96	80-120			112414		04/15/06	04/17/06
	BSD		QC335883		100.0	100.1	100	80-120	4	20	112414		04/15/06	04/17/06
AS-10A	MS	186153-033	QC335884	7.256	79.37	78.35	90	57-120			112414	04/10/06	04/15/06	04/17/06
AS-10A	MSD	186153-033	QC335885		84.75	83.90	90	57-120	1	20	112414	04/10/06	04/15/06	04/17/06
	BS		QC335887		100.0	94.58	95	80-120			112415		04/15/06	04/17/06
	BSD		QC335888		100.0	98.37	98	80-120	4	20	112415		04/15/06	04/17/06
AS-11A	MS	186153-034	QC335889	12.73	78.74	83.73	90	57-120			112415	04/10/06	04/15/06	04/17/06
AS-11A	MSD	186153-034	QC335890		97.09	101.4	91	57-120	1	20	112415	04/10/06	04/15/06	04/17/06
	BS		QC337704		100.0	100.5	100	80-120			112864		04/28/06	05/01/06
	BSD		QC337705		100.0	102.1	102	80-120	2	20	112864		04/28/06	05/01/06
IV-1B	MS	186153-014	QC337706	2.531	86.21	83.47	94	57-120			112864	04/06/06	04/28/06	04/28/06
IV-1B	MSD	186153-014	QC337707		84.03	79.40	91	57-120	3	20	112864	04/06/06	04/28/06	04/28/06
	BS		QC337716		100.0	99.61	100	80-120			112866		04/28/06	05/01/06
	BSD		QC337717		100.0	100.8	101	80-120	1	20	112866		04/28/06	05/01/06
RN-4B	MS	186153-072	QC337718	5.479	98.04	102.0	98	57-120			112866	04/12/06	04/28/06	05/01/06
RN-4B	MSD	186153-072	QC337719		98.04	96.43	93	57-120	6	20	112866	04/12/06	04/28/06	05/01/06
	BS		QC337725		100.0	87.81	88	80-120			112868		04/28/06	04/28/06
	BSD		QC337726		100.0	95.99	96	80-120	9	20	112868		04/28/06	04/28/06
AS-8B	MS	186153-042	QC337727	8.575	91.74	49.80	45 *	57-120			112868	04/10/06	04/28/06	04/28/06
AS-8B	MSD	186153-042	QC337728		95.24	90.62	86	57-120	55 *	20	112868	04/10/06	04/28/06	04/28/06

= Value outside of QC limits; see narrative
= Relative Percent Difference

Curtis & Tompkins, Ltd.

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

AGS, Inc.
364 14th Street
Suite 500
Oakland, CA 94612

Date: 09-MAY-06
Lab Job Number: 186315
Project ID: KF0209
Location: I-580 EB HOV TMP TOS/ITS Project

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

This package may be reproduced only in its entirety.

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**186315**
Client:	**AGS, Inc.**
Project:	**KF0209**
Location:	**I-580 EB HOV TMP TOS/ITS Project**
Request Date:	**04/21/06, 04/25/06**
Samples Received:	**04/21/06**

This hardcopy data package contains sample and QC results for twenty soil samples, requested for the above referenced project on 04/21/06 and 04/25/06. The samples were received cold and intact.

Metals (EPA 6010B):
No analytical problems were encountered.

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186315

Sampler: P. Herold

Report To: Doug Herold dherold@agsinc.com

Company: AGS, Inc.

Telephone: (510) 251-1180x19

Fax: (510) 251-1190

Project No.: KF0209

Project Name: I-580 EB HOV TMP TOS/ITS Project

Project P.O.:

Turnaround Time: Standard

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		Analysis: Total Lead (EPA 6010)	HOLD for additional Testing
-1	AND - 1A	4/20/06 1205	X				1 Tube				X		X	
-2	AND - 2A	1147	X				1				X		X	
-3	SUN - 1A	1304	X				1				X		X	
-4	SUN - 2A	1321	X				1				X		X	
-5	SUN - 3A	1344	X				1				X		X	
-6	SUN - 4A	1410	X				1				X		X	
-7	SUN - 5A	1750	X				1				X		X	
-8	ALCO - 1A	1610	X				1				X		X	
-9	ALCO - 2A	1714	X				1				X		X	
-10	ALCO - 3A	1641	X				1				X		X	

Notes:
HOLD for additional Testing.
Sample from bottom of all tubes.

SAMPLE RECEIPT
☑ Intact ☑ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/21/06 0930 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 4-21-06 9:30 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186315

Sampler: D. Herold

Report To: Doug Herold

Company: AGS, Inc.

Telephone: (510) 251-1180 X19

Fax: (510) 251-1190

Project No.: KF0209

Project Name: I-580 EB HOV TMP TOS/ITS Project

Project P.O.:

Turnaround Time: Standard

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		Analysis: HOLD for additional Testing
-11	AND -1B	4/20/06 1210	X				1 Tube				X		
-12	AND- 2B	1157	X				1				X		
-13	SUN - 1B	1310	X				1				X		
-14	SUN - 2B	1328	X				1				X		
-15	SUN - 3B	1352	X				1				X		
-16	SUN - 4B	1430	X				1				X		
-17	ALCO - 1B	1622 ~~1455~~	X				1				X		
-18	ALCO - 2B	1722	X				1				X		
-19	ALCO - 3B	1659	X				1				X		
-20	SUN - 5B	1759	X				1				X		

Notes:
HOLD for additional Testing
Sample from bottom of all tubes.

SAMPLE RECEIPT
☑ Intact ☑ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
4/21/06 0930 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
4-21-06 09:30 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request By: D. Herold Date/Time: 4/25/06 11:39 Initials: SES
Login Review Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186315-011		AND-1B	Soil	Add	PB	5/1
186315-012		AND-2B	Soil	Add	PB	5/1
186315-013		SUN-1B	Soil	Add	PB	5/1
186315-014		SUN-2B	Soil	Add	PB	5/1
186315-015		SUN-3B	Soil	Add	PB	5/1
186315-016		SUN-4B	Soil	Add	PB	5/1
186315-017		ALCO-1B	Soil	Add	PB	5/1
186315-018		ALCO-2B	Soil	Add	PB	5/1
186315-019		ALCO-3B	Soil	Add	PB	5/1
186315-020		SUN-5B	Soil	Add	PB	5/1

Steven Stanley

From: "Doug Herold" <dherold@agsinc.com>
To: <steve@ctberk.com>
Sent: Monday, April 24, 2006 10:13 AM
Subject: Additional testing for I-580 samples

Steve,

Please note that I was requested to have the final reports for all the testing include the name of the project as "I-580 EB HOV TMP TOS/ITS Project" as I wrote on the final 2 CoCs Thursday and Friday oof last week. Please make this change on all the previous submissions.

My boss has requested that I request total lead testing (EPA 6010) on all the B samples. Please put this test request into the system.
This applies to the samples listed on CoCs #186002, 186153, 186201, 186299, and the samples I brought in on Friday, 4/21, for which I have not received a lab number on.

Also, be advised that we are expected to run (or have you run) the soluble threshold limit concentration test for lead and the de-ionized water waste extraction lead test on all samples with a total lead at or above 50. Do not discard ANY samples. If your hold period for anything expires, give me a buzz, call or email, and I will come pick them up.

Thank you.

Doug Herold

AGS, Inc.
T: (510) 251-1180 x19
F: (510) 251-1190
M: (415) 342-2515
E: dherold@agsinc.com

Curtis & Tompkins, Ltd.

Lead

Lab #:	186315	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	EPA 3050B
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/20/06
Units:	mg/Kg	Received:	04/21/06
Basis:	as received		

Field ID	Type	Lab ID	Result	RL	Batch#	Prepared	Analyzed
AND-1A	SAMPLE	186315-001	280	0.15	112779	04/27/06	04/27/06
AND-2A	SAMPLE	186315-002	9.2	0.15	112779	04/27/06	04/27/06
SUN-1A	SAMPLE	186315-003	17	0.15	112779	04/27/06	04/27/06
SUN-2A	SAMPLE	186315-004	26	0.16	112779	04/27/06	04/27/06
SUN-3A	SAMPLE	186315-005	58	0.15	112779	04/27/06	04/27/06
SUN-4A	SAMPLE	186315-006	35	0.15	112779	04/27/06	04/27/06
SUN-5A	SAMPLE	186315-007	5.2	0.15	112779	04/27/06	04/27/06
ALCO-1A	SAMPLE	186315-008	72	0.15	112779	04/27/06	04/27/06
ALCO-2A	SAMPLE	186315-009	180	0.15	112779	04/27/06	04/27/06
ALCO-3A	SAMPLE	186315-010	230	0.15	112779	04/27/06	04/27/06
AND-1B	SAMPLE	186315-011	8.1	0.15	112866	04/28/06	05/01/06
AND-2B	SAMPLE	186315-012	6.9	0.15	112866	04/28/06	05/01/06
SUN-1B	SAMPLE	186315-013	26	0.15	112866	04/28/06	05/01/06
SUN-2B	SAMPLE	186315-014	4.1	0.15	112866	04/28/06	05/01/06
SUN-3B	SAMPLE	186315-015	6.6	0.15	112866	04/28/06	05/01/06
SUN-4B	SAMPLE	186315-016	240	0.15	112866	04/28/06	05/01/06
ALCO-1B	SAMPLE	186315-017	11	0.15	112866	04/28/06	05/01/06
ALCO-2B	SAMPLE	186315-018	76	0.15	112866	04/28/06	05/01/06
ALCO-3B	SAMPLE	186315-019	3.7	0.15	112866	04/28/06	05/01/06
SUN-5B	SAMPLE	186315-020	7.4	0.15	112866	04/28/06	05/01/06
	BLANK	QC337360	ND	0.15	112779	04/27/06	04/27/06
	BLANK	QC337715	ND	0.15	112866	04/28/06	05/01/06

ND= Not Detected
RL= Reporting Limit

tch QC Report

Lead

ıb #:	186315	Location:	I-580 EB HOV TMP TOS/ITS Project
.ient:	AGS, Inc.	Prep:	EPA 3050B
:oject#:	KF0209	Analysis:	EPA 6010B
ıalyte:	Lead	Basis:	as received
ıtrix:	Soil	Diln Fac:	1.000
ıits:	mg/Kg		

ield ID	Type	MSS Lab ID	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Batch#	Sampled	Received	Prepared	Analyzed
	BS		QC337361		100.0	98.34	98	80-120			112779			04/27/06	04/27/06
	BSD		QC337362		100.0	99.11	99	80-120	1	20	112779			04/27/06	04/27/06
ZZZZZZZZ	MS	186313-002	QC337363	241.9	84.03	301.0	70	57-120			112779	04/19/06	04/21/06	04/27/06	04/27/06
ZZZZZZZZ	MSD	186313-002	QC337364		98.04	327.4	87	57-120	4	20	112779	04/19/06	04/21/06	04/27/06	04/27/06
	BS		QC337716		100.0	99.61	100	80-120			112866			04/28/06	05/01/06
	BSD		QC337717		100.0	100.8	101	80-120	1	20	112866			04/28/06	05/01/06
RN-4B	MS	186153-072	QC337718	5.479	98.04	102.0	98	57-120			112866	04/12/06	04/12/06	04/28/06	05/01/06
RN-4B	MSD	186153-072	QC337719		98.04	96.43	93	57-120	6	20	112866	04/12/06	04/12/06	04/28/06	05/01/06

)= Relative Percent Difference

3.1

Curtis & Tompkins, Ltd.

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

AGS, Inc.
364 14th Street
Suite 500
Oakland, CA 94612

Date: 10-MAY-06
Lab Job Number: 186299
Project ID: KF0209
Location: I-580 EB HOV TMP TOS/ITS Project

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

This package may be reproduced only in its entirety.

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**186299**
Client:	**AGS, Inc.**
Project:	**KF0209**
Location:	**I-580 EB HOV TMP TOS/ITS Project**
Request Date:	**04/20/06, 04/25/06**
Samples Received:	**04/20/06**

This hardcopy data package contains sample and QC results for one hundred twelve soil samples, requested for the above referenced project on 04/20/06 and 04/25/06. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186299

Sampler: D. Herold

Report To: Doug Herold (dherold@agsinc.com)

Company: AGS, Inc.

Telephone: (510) 251-1180 x19

Fax: (510) 251-1190

Project No.: KF0209

Project Name: I-580 EB HOV TMP TOS/ ITS Project

Project P.O.:

Turnaround Time: Standard

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	Total Lead (EPA 6010) HOLD for additional Testing!
-1	NFir-1A	4/17/06 1006	X			1 Tube				X	X
-2	NFir-2A	1021	X			1				X	X
-3	NFir-3A	0946	X			1				X	X
-4	NFir-4A	0930	X			1				X	X
-5	NFir-5A	0905	X			1				X	X
-6	NFir-6A	1045	X			1				X	X
-7	NFir-7A	1058	X			1				X	X
-8	NFir-8A	1121	X			1				X	X
-9	NFir-9A	1143	X			1				X	X
-10	NFir-10A	1200	X			1				X	X
-11	NFir-11A	1220	X			1				X	X
-12	NLiv-11A	1250	X			1				X	X
-13	NLiv-12A	1330	X			1				X	X

Notes:
HOLD for additional testing.
Sample from Bottom of tubes.

SAMPLE RECEIPT
☒ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/20/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
Lovanna Cuto 4/20/06 DATE / TIME 10:30
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186299

Sampler: D. Herold
Report To: Doug Herold
Company: AGS, Inc.
Telephone: (510) 251-1180 X19
Fax: (510) 251-1190

Project No.: KF0209
Project Name: I-580
Project P.O.:
Turnaround Time: Standard

Analysis: Total Lead (EPA 6010) — HOLD for Additional Testing

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		Total Lead (EPA 6010) HOLD for Additional Testing
-14	N Liv - 13A	4/17/06 1308	X				1 Tube				X		X
-15	Port - 15A	1356	X				1				X		X
-16	Port - 16A	1427	X				1				X		X
-17	Port - 17A	1450	X				1				X		X
-18	Port - 18A	* 1527	X				1				X		X
-19	Port - 19A	** 1534	X				1				X		X
-20	Port - 20A	1557	X				1				X		X
-21	N Air - 1A	*** 1623	X				1				X		X
-22	N Air - 2A	**** 1639	X				1				X		X
-23	Foot - 1A	4/18/06 0811	X				1				X		X
-24	Foot - 2A	0842	X				1				X		X
-25	Foot - 3A	0918	X				1				X		X
-26	Foot - 4A	0946	X				1				X		X

Notes:
HOLD for additional testing.
Sample all tubes from bottom.
* Label = 1524
* 1537
** 1639
*** 1623

SAMPLE RECEIPT
☐ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
4/20/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
Lavanna Curtis 4-20-06 10:30 DATE / TIME
DATE / TIME
DATE / TIME

JGW 4-20-06
SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186299

Project No.: KF0209
Project Name: I-580
Project P.O.:
Turnaround Time: Standard

Sampler: D. Herold
Report To: Doug Herold
Company: AGS, Inc.
Telephone: (510) 251-1180 x 19
Fax: (510) 251-1190

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste		# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE		Total Lead (EPA 6010)	HOLD for additional testing
-27	Foot-5A	4/18/06 1022	X				1 Tube				X		X	
-28	Foot-6A	1057	X				1				X		X	
-29	Foot-7A	1135	X				1				X		X	
-30	Foot-8A	1200	X				1				X		X	
-31	Foot-9A	1224	X				1				X		X	
-32	SRam-1A	1246	X				1				X		X	
-33	Int-2A	1306	X				1				X		X	
-34	Int-3A	1320	X				1				X		X	
-35	Int-4A	1552	X				1				X		X	
-36	Int-5A	1618	X				1				X		X	
-37	Int-6A	1640	X				1				X		X	
-38	Int-7A	1654	X				1				X		X	
-39	Int-1A	4/19/06 1521	X				1				X		X	

Notes:
HOLD for additional testing.
Sample all tubes from bottom.

SAMPLE RECEIPT
☑ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/20/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
Lavanna Curtis 4-20-06 10:30 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186299

Project No.: KF0209
Project Name: I-580
Project P.O.:
Turnaround Time: standard

Sampler: D. Herold
Report To: Doug Herold
Company: ABS, Inc.
Telephone: (510) 251-1180 x 19
Fax: (510) 251-1190

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		Total Lead (EPA 6010) HOLD for additional Testing!
-40	Int-8A	4/19/06 0824	X				1 Tube				X		X
-41	Hop-1A	0850	X				1				X		X
-42	Hop-2A	0924	X				1				X		X
-43	Hop-3A	0948	X				1				X		X
-44	Hop-4A	1004	X				1				X		X
-45	Hop-5A	1023	X				1				X		X
-46	Hop-6A	1047	X				1				X		X
-47	Hop-7A	1454	X				1				X		X
-48	TASS-1A	1100	X				1				X		X
-49	FALL-1A	1237	X				1				X		X
-50	FALL-2A	1300	X				1				X		X
-51	FALL-3A	1328	X				1				X		X
-52	FALL-4A	1347	X				1				X		X

Notes:
HOLD for additional testing.
Sample all tubes from bottom.

SAMPLE RECEIPT
☑ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/20/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
Lavanne [signature] 4-20-06 10:30 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186299

Project No.: KF 0209
Project Name: I-580
Project P.O.:
Turnaround Time: Standard

Sampler: D. Herold
Report To: Doug Herold
Company: AGS, Inc
Telephone: (510) 251-1180 X19
Fax: (510) 251-1190

Analysis: Total Lead (EPA 6010) HOLD for additional Testing

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		Total Lead (EPA 6010) HOLD for additional Testing
-53	Fall - 5A	4/19/06 1412	X				1 Tube				X		
-54	Sher - 1A	1615	X				1				X		
-55	Sher - 2A	1632	X				1				X		
-56	Sher - 3A	1653	X				1				X		

Notes:
HOLD all samples for additional testing.
Sample all tubes from bottom.

SAMPLE RECEIPT
☒ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/20/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 4-20-06 10:30 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186299

Project No.: KF0209
Project Name: I-580
Project P.O.:
Turnaround Time: Standard

Sampler: P. Herold
Report To: Doug Herold
Company: AGS, Inc.
Telephone: (510) 251-1180 x 19
Fax: (510) 251-1190

Analysis: HOLD for Additional Testing

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE
-57	NFir-1B	4/17/06 1013	X				1 Tube				X
-58	NFir-2B	1028	X				1				X
-59	NFir-3B	0954	X				1				X
-60	NFir-4B	* 0940	X				1				X
-61	NFir-5B	0910	X				1				X
-62	NFir-6B	1052	X				1				X
-63	NFir-7B	1103	X				1				X
-64	NFir-8B	1128	X				1				X
-65	NFir-9B	1150	X				1				X
-66	NFir-10B	1207	X				1				X
-67	NFir-11B	1227	X				1				X
-68	NLiv-11B	1256	X				1				X
-69	NLiv-12B	1336	X				1				X

Notes:
HOLD for Additional Testing
Sample from Bottom of all Tubes.
* Label = 0930 [illegible] 4-20-06

SAMPLE RECEIPT
☐ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/20/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 4-20-06 10:30 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186299

Sampler: D. Herold
Report To: Doug Herold
Company: AGS, Inc.
Telephone: (510) 251-1180 X 19
Fax: (510) 251-1190

Project No.: KF0209
Project Name: I-580
Project P.O.:
Turnaround Time: Standard

Analysis: HOLD for Additional Testing.

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste		# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	
-70	NLiv-13B	4/17/06 1315	X				1 Tube				X	
-71	Port-15B *	1404	X				1				X	
-72	Port-16B	1433	X				1				X	
-73	Port-17B **	1455	X				1				X	
-74	Port-18B	1530	X				1				X	
-75	Port-19B	1594	X				1				X	
-76	Port-20B	1604	X				1				X	
-77	NAir-1B	1650	X				1				X	
-78	NAir-2B	1630	X				1				X	
-79	Foot-1B	4/18/06 0820	X				1				X	
-80	Foot-2B	0850	X				1				X	
-81	Foot-3B	0925	X				1				X	
-82	Foot-4B	0957	X				1				X	

Notes:
HOLD for additional Testing.
Sample all tubes from bottom.
* Label = Port-15A (id by time)
* ↓ ↓ Port-17A ↓ ↓

SAMPLE RECEIPT
☐ Intact ☐ Cold
☐ On Ice ☐ Ambient

Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY: [signature] 4/20/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY: Lavanne [signature] 4-20-06 10:30 DATE / TIME
DATE / TIME
DATE / TIME

ASIGNATURE JGW 4-20-06

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186299

Project No.: KF0209
Project Name: I-580
Project P.O.:
Turnaround Time: Standard

Sampler: D. Herold
Report To: Doug Herold
Company: AGS, Inc.
Telephone: (510) 251-1180 x19
Fax: (510) 251-1190

Analysis: HOLD for further testing.

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	
-83	Foot-5B	4/18/06 1030	X				1 Tube				X	
-84	Foot-6B	1105	X				1				X	
-85	Foot-7B	1144	X				1				X	
-86	Foot-8B	1210	X				1				X	
-87	Foot-9B	1230	X				1				X	
-88	SRam-1B	1250	X				1				X	
-89	Int-2B	1314	X				1				X	
-90	Int-3B	* 1530	X				1				X	
-91	Int-4B	1600	X				1				X	
-92	Int-5B	1624	X				1				X	
-93	Int-6B	1648	X				1				X	
-94	Int-7B	1659	X				1				X	
-95	Int-1B	4/19/06 1530	X				1				X	

Notes:
HOLD for additional testing.
Sample all tubes from bottom.
* Label = 1520 LAW 4-20-06
SIGNATURE

SAMPLE RECEIPT
☑ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/20/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 4-20-06 10:30 DATE / TIME
DATE / TIME
DATE / TIME

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186299

Project No.: KF0204
Project Name: I-580
Project P.O.:
Turnaround Time: Standard

Sampler: D. Herold
Report To: Doug Herold
Company: ACS, Inc.
Telephone: (510) 251-1180 X19
Fax: (510) 251-1190

Analysis: HOLD samples for additional Testing

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE
-96	Int-8B	4/19/06 0830	X				1 Tube				X
-97	Hop-1B	0857	X				1				X
-98	Hop-2B	0931	X				1				X
-99	Hop-3B	0954	X				1				X
-100	Hop-4B	1011	X				1				X
-101	Hop-5B	1029	X				1				X
-102	Hop-6B	1052	X				1				X
-103	Hop-7B	1503	X				1				X
-104	Tass-1B	1109	X				1				X
-105	Fall-1B	1444	X				1				X
-106	Fall-2B	1312	X				1				X
-107	Fall-3B	1337	X				1				X
-108	Fall-4B	1358	X				1				X

Notes:
HOLD all samples for additional testing.
Sample all tubes from bottom.

SAMPLE RECEIPT
☑ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/20/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
Lavonne [signature] 4-20-06 10:30 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: _____

Project No.: KF0204
Project Name: I-580
Project P.O.:
Turnaround Time: Standard

Sampler: D. Herold
Report To: Doug Herold
Company: AGS, Inc.
Telephone: (510) 251-1180x19
Fax: (510) 251-1190

Analysis: HOLD samples for additional Testing

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	
109	Fall-5B	4/19/06 1419	X				1 Tube				X	
110	Sher-1B	1625	X				1				X	
111	Sher-2B	1642	X				1				X	
112	Sher-3B	1700	X				1				X	

Notes:
HOLD all Tubes for additional testing.
Sample all tubes from bottom.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/20/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
Lavanne [signature] 4-20-06 10:30 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request By: D.Herold Date/Time: 4/25/06 17:19 Initials: SES
Login Review Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186299-057		NFIR-1B	Soil	Add	Pb	5/1
186299-058		NFIR-2B	Soil	Add	Pb	5/1
186299-059		NFIR-3B	Soil	Add	Pb	5/1
186299-060		NFIR-4B	Soil	Add	Pb	5/1
186299-061		NFIR-5B	Soil	Add	Pb	5/1
186299-062		NFIR-6B	Soil	Add	Pb	5/1
186299-063		NFIR-7B	Soil	Add	Pb	5/1
186299-064		NFIR-8B	Soil	Add	Pb	5/1
186299-065		NFIR-9B	Soil	Add	Pb	5/1
186299-066		NFIR-10B	Soil	Add	Pb	5/1
186299-067		NFIR-11B	Soil	Add	Pb	5/1
186299-068		NLIV-11B	Soil	Add	Pb	5/1
186299-069		NLIV-12B	Soil	Add	Pb	5/1
186299-070		NLIV-13B	Soil	Add	Pb	5/1
186299-071		PORT-15B	Soil	Add	Pb	5/1
186299-072		PORT-16B	Soil	Add	Pb	5/1
186299-073		PORT-17B	Soil	Add	Pb	5/1

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request By: D.Herold Date/Time: 4/25/06 17:22 Initials: SES

Login Review Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186299-074		PORT-18B	Soil	Add	Pb	5/1
186299-075		PORT-19B	Soil	Add	Pb	5/1
186299-076		PORT-20B	Soil	Add	Pb	5/1
186299-077		NAIR-1B	Soil	Add	Pb	5/1
186299-078		NAIR-2B	Soil	Add	Pb	5/1
186299-079		FOOT-1B	Soil	Add	Pb	5/1
186299-080		FOOT-2B	Soil	Add	Pb	5/1
186299-081		FOOT-3B	Soil	Add	Pb	5/1
186299-082		FOOT-4B	Soil	Add	Pb	5/1
186299-083		FOOT-5B	Soil	Add	Pb	5/1
186299-084		FOOT-6B	Soil	Add	Pb	5/1
186299-085		FOOT-7B	Soil	Add	Pb	5/1
186299-086		FOOT-8B	Soil	Add	Pb	5/1
186299-087		FOOT-9B	Soil	Add	Pb	5/1
186299-088		SRAM-1B	Soil	Add	Pb	5/1
186299-089		INT-2B	Soil	Add	Pb	5/1
186299-090		INT-3B	Soil	Add	Pb	5/1

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request By: D.Herold Date/Time: 4/25/06 17:24 Initials: SES

Login Review Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186299-091		INT-4B	Soil	Add	Pb	5/1
186299-092		INT-5B	Soil	Add	Pb	5/1
186299-093		INT-6B	Soil	Add	Pb	5/1
186299-094		INT-7B	Soil	Add	Pb	5/1
186299-095		INT-1B	Soil	Add	Pb	5/1
186299-096		INT-8B	Soil	Add	Pb	5/1
186299-097		HOP-1B	Soil	Add	Pb	5/1
186299-098		HOP-2B	Soil	Add	Pb	5/1
186299-099		HOP-3B	Soil	Add	Pb	5/1
186299-100		HOP-4B	Soil	Add	Pb	5/1
186299-101		HOP-5B	Soil	Add	Pb	5/1
186299-102		HOP-6B	Soil	Add	Pb	5/1
186299-103		HOP-7B	Soil	Add	Pb	5/1
186299-104		TASS-1B	Soil	Add	Pb	5/1
186299-105		FALL-1B	Soil	Add	Pb	5/1
186299-106		FALL-2B	Soil	Add	Pb	5/1
186299-107		FALL-3B	Soil	Add	Pb	5/1

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request By: D.Herold Date/Time: 4/25/06 17:25 Initials: SES

Login Review Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186299-108		FALL-4B	Soil	Add	Pb	5/1
186299-109		FALL-5B	Soil	Add	Pb	5/1
186299-110		SHER-1B	Soil	Add	Pb	5/1
186299-111		SHER-2B	Soil	Add	Pb	5/1
186299-112		SHER-3B	Soil	Add	Pb	5/1

Steven Stanley

From: "Doug Herold" <dherold@agsinc.com>
To: <steve@ctberk.com>
Sent: Monday, April 24, 2006 10:13 AM
Subject: Additional testing for I-580 samples

Steve,

Please note that I was requested to have the final reports for all the testing include the name of the project as "I-580 EB HOV TMP TOS/ITS Project" as I wrote on the final 2 CoCs Thursday and Friday oof last week. Please make this change on all the previous submissions.

My boss has requested that I request total lead testing (EPA 6010) on all the B samples. Please put this test request into the system.
This applies to the samples listed on CoCs #186002, 186153, 186201, 186299, and the samples I brought in on Friday, 4/21, for which I have not received a lab number on.

Also, be advised that we are expected to run (or have you run) the soluble threshold limit concentration test for lead and the de-ionized water waste extraction lead test on all samples with a total lead at or above 50. Do not discard ANY samples. If your hold period for anything expires, give me a buzz, call or email, and I will come pick them up.

Thank you.

Doug Herold

AGS, Inc.
T: (510) 251-1180 x19
F: (510) 251-1190
M: (415) 342-2515
E: dherold@agsinc.com

Curtis & Tompkins, Ltd.

Lead

Lab #:	186299	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	EPA 3050B
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Basis:	as received
Matrix:	Soil	Received:	04/20/06
Units:	mg/Kg		

Field ID	Type	Lab ID	Result	RL	Diln Fac	Batch#	Sampled	Prepared	Analyzed
NFIR-1A	SAMPLE	186299-001	6.8	0.15	1.000	112695	04/17/06	04/25/06	04/25/06
NFIR-2A	SAMPLE	186299-002	4.0	0.15	1.000	112695	04/17/06	04/25/06	04/25/06
NFIR-3A	SAMPLE	186299-003	13	0.15	1.000	112695	04/17/06	04/25/06	04/25/06
NFIR-4A	SAMPLE	186299-004	19	0.15	1.000	112695	04/17/06	04/25/06	04/25/06
NFIR-5A	SAMPLE	186299-005	5.2	0.15	1.000	112695	04/17/06	04/25/06	04/25/06
NFIR-6A	SAMPLE	186299-006	5.4	0.15	1.000	112695	04/17/06	04/25/06	04/25/06
NFIR-7A	SAMPLE	186299-007	7.3	0.15	1.000	112695	04/17/06	04/25/06	04/25/06
NFIR-8A	SAMPLE	186299-008	4.9	0.15	1.000	112695	04/17/06	04/25/06	04/25/06
NFIR-9A	SAMPLE	186299-009	160	0.16	1.000	112695	04/17/06	04/25/06	04/25/06
NFIR-10A	SAMPLE	186299-010	240	0.17	1.000	112695	04/17/06	04/25/06	04/25/06
NFIR-11A	SAMPLE	186299-011	60	0.16	1.000	112695	04/17/06	04/25/06	04/25/06
NLIV-11A	SAMPLE	186299-012	6.4	0.15	1.000	112695	04/17/06	04/25/06	04/25/06
NLIV-12A	SAMPLE	186299-013	35	0.15	1.000	112695	04/17/06	04/25/06	04/25/06
NLIV-13A	SAMPLE	186299-014	5.2	0.15	1.000	112695	04/17/06	04/25/06	04/25/06
PORT-15A	SAMPLE	186299-015	8.6	0.15	1.000	112695	04/17/06	04/25/06	04/25/06
PORT-16A	SAMPLE	186299-016	130	0.16	1.000	112695	04/17/06	04/25/06	04/25/06
PORT-17A	SAMPLE	186299-017	21	0.15	1.000	112695	04/17/06	04/25/06	04/25/06
PORT-18A	SAMPLE	186299-018	16	0.15	1.000	112695	04/17/06	04/25/06	04/25/06
PORT-19A	SAMPLE	186299-019	260	0.15	1.000	112695	04/17/06	04/25/06	04/25/06
PORT-20A	SAMPLE	186299-020	24	0.15	1.000	112695	04/17/06	04/25/06	04/25/06
NAIR-1A	SAMPLE	186299-021	6.2	0.15	1.000	112696	04/17/06	04/25/06	04/25/06
NAIR-2A	SAMPLE	186299-022	4.4	0.16	1.000	112696	04/17/06	04/25/06	04/25/06
FOOT-1A	SAMPLE	186299-023	3.8	0.16	1.000	112696	04/18/06	04/25/06	04/25/06
FOOT-2A	SAMPLE	186299-024	3.7	0.15	1.000	112696	04/18/06	04/25/06	04/25/06
FOOT-3A	SAMPLE	186299-025	5.0	0.15	1.000	112696	04/18/06	04/25/06	04/25/06
FOOT-4A	SAMPLE	186299-026	5.0	0.15	1.000	112696	04/18/06	04/25/06	04/25/06
FOOT-5A	SAMPLE	186299-027	4.7	0.15	1.000	112696	04/18/06	04/25/06	04/25/06
FOOT-6A	SAMPLE	186299-028	5.2	0.15	1.000	112696	04/18/06	04/25/06	04/25/06
FOOT-7A	SAMPLE	186299-029	6.6	0.15	1.000	112696	04/18/06	04/25/06	04/25/06
FOOT-8A	SAMPLE	186299-030	14	0.15	1.000	112696	04/18/06	04/25/06	04/25/06
FOOT-9A	SAMPLE	186299-031	31	0.16	1.000	112696	04/18/06	04/25/06	04/25/06
SRAM-1A	SAMPLE	186299-032	15	0.15	1.000	112696	04/18/06	04/25/06	04/25/06
INT-2A	SAMPLE	186299-033	22	0.16	1.000	112696	04/18/06	04/25/06	04/25/06
INT-3A	SAMPLE	186299-034	10	0.15	1.000	112696	04/18/06	04/25/06	04/25/06
INT-4A	SAMPLE	186299-035	24	0.15	1.000	112696	04/18/06	04/25/06	04/25/06
INT-5A	SAMPLE	186299-036	12	0.15	1.000	112696	04/18/06	04/25/06	04/25/06
INT-6A	SAMPLE	186299-037	6.3	0.15	1.000	112696	04/18/06	04/25/06	04/25/06
INT-7A	SAMPLE	186299-038	6.8	0.15	1.000	112696	04/18/06	04/25/06	04/25/06
INT-1A	SAMPLE	186299-039	8.5	0.15	1.000	112696	04/19/06	04/25/06	04/25/06
INT-8A	SAMPLE	186299-040	8.4	0.15	1.000	112696	04/19/06	04/25/06	04/25/06
HOP-1A	SAMPLE	186299-041	6.8	0.15	1.000	112730	04/19/06	04/26/06	04/26/06
HOP-2A	SAMPLE	186299-042	15	0.15	1.000	112730	04/19/06	04/26/06	04/26/06
HOP-3A	SAMPLE	186299-043	4.3	0.15	1.000	112730	04/19/06	04/26/06	04/26/06
HOP-4A	SAMPLE	186299-044	16	0.15	1.000	112730	04/19/06	04/26/06	04/26/06
HOP-5A	SAMPLE	186299-045	25	0.15	1.000	112730	04/19/06	04/26/06	04/26/06
HOP-6A	SAMPLE	186299-046	13	0.17	1.000	112730	04/19/06	04/26/06	04/26/06
HOP-7A	SAMPLE	186299-047	440	0.25	2.000	112730	04/19/06	04/26/06	04/27/06
TASS-1A	SAMPLE	186299-048	12	0.15	1.000	112730	04/19/06	04/26/06	04/26/06
FALL-1A	SAMPLE	186299-049	7.3	0.15	1.000	112730	04/19/06	04/26/06	04/26/06
FALL-2A	SAMPLE	186299-050	14	0.16	1.000	112730	04/19/06	04/26/06	04/26/06
FALL-3A	SAMPLE	186299-051	4.4	0.15	1.000	112730	04/19/06	04/26/06	04/26/06
FALL-4A	SAMPLE	186299-052	9.7	0.15	1.000	112730	04/19/06	04/26/06	04/26/06
FALL-5A	SAMPLE	186299-053	7.5	0.15	1.000	112730	04/19/06	04/26/06	04/26/06
SHER-1A	SAMPLE	186299-054	7.3	0.15	1.000	112730	04/19/06	04/26/06	04/26/06
SHER-2A	SAMPLE	186299-055	14	0.15	1.000	112730	04/19/06	04/26/06	04/26/06
SHER-3A	SAMPLE	186299-056	7.3	0.15	1.000	112730	04/19/06	04/26/06	04/26/06

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Lead

Lab #:	186299	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	EPA 3050B
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Basis:	as received
Matrix:	Soil	Received:	04/20/06
Units:	mg/Kg		

Field ID	Type	Lab ID	Result	RL	Diln Fac	Batch#	Sampled	Prepared	Analyzed
NFIR-1B	SAMPLE	186299-057	12	0.15	1.000	112916	04/17/06	05/01/06	05/02/06
NFIR-2B	SAMPLE	186299-058	4.4	0.15	1.000	112916	04/17/06	05/01/06	05/02/06
NFIR-3B	SAMPLE	186299-059	93	0.15	1.000	112916	04/17/06	05/01/06	05/02/06
NFIR-4B	SAMPLE	186299-060	6.1	0.15	1.000	112916	04/17/06	05/01/06	05/02/06
NFIR-5B	SAMPLE	186299-061	140	0.15	1.000	112916	04/17/06	05/01/06	05/02/06
NFIR-6B	SAMPLE	186299-062	5.6	0.15	1.000	112916	04/17/06	05/01/06	05/02/06
NFIR-7B	SAMPLE	186299-063	5.2	0.15	1.000	112916	04/17/06	05/01/06	05/02/06
NFIR-8B	SAMPLE	186299-064	5.6	0.15	1.000	112916	04/17/06	05/01/06	05/02/06
NFIR-9B	SAMPLE	186299-065	15	0.15	1.000	112916	04/17/06	05/01/06	05/02/06
NFIR-10B	SAMPLE	186299-066	1.8	0.15	1.000	112916	04/17/06	05/01/06	05/02/06
NFIR-11B	SAMPLE	186299-067	5.8	0.15	1.000	112916	04/17/06	05/01/06	05/02/06
NLIV-11B	SAMPLE	186299-068	4.6	0.15	1.000	112916	04/17/06	05/01/06	05/02/06
NLIV-12B	SAMPLE	186299-069	6.2	0.15	1.000	112916	04/17/06	05/01/06	05/02/06
NLIV-13B	SAMPLE	186299-070	3.7	0.15	1.000	112916	04/17/06	05/01/06	05/02/06
PORT-15B	SAMPLE	186299-071	48	0.15	1.000	112916	04/17/06	05/01/06	05/02/06
PORT-16B	SAMPLE	186299-072	8.5	0.15	1.000	112916	04/17/06	05/01/06	05/02/06
PORT-17B	SAMPLE	186299-073	3.3	0.15	1.000	112916	04/17/06	05/01/06	05/02/06
PORT-18B	SAMPLE	186299-074	4.3	0.15	1.000	112916	04/17/06	05/01/06	05/02/06
PORT-19B	SAMPLE	186299-075	19	0.15	1.000	112917	04/17/06	05/01/06	05/02/06
PORT-20B	SAMPLE	186299-076	4.7	0.15	1.000	112917	04/17/06	05/01/06	05/02/06
NAIR-1B	SAMPLE	186299-077	4.5	0.15	1.000	112917	04/17/06	05/01/06	05/02/06
NAIR-2B	SAMPLE	186299-078	4.2	0.15	1.000	112917	04/17/06	05/01/06	05/02/06
FOOT-1B	SAMPLE	186299-079	4.8	0.16	1.000	112917	04/18/06	05/01/06	05/02/06
FOOT-2B	SAMPLE	186299-080	6.1	0.15	1.000	112917	04/18/06	05/01/06	05/02/06
FOOT-3B	SAMPLE	186299-081	12	0.15	1.000	112917	04/18/06	05/01/06	05/02/06
FOOT-4B	SAMPLE	186299-082	6.7	0.15	1.000	112917	04/18/06	05/01/06	05/02/06
FOOT-5B	SAMPLE	186299-083	4.3	0.15	1.000	112917	04/18/06	05/01/06	05/02/06
FOOT-6B	SAMPLE	186299-084	4.1	0.15	1.000	112917	04/18/06	05/01/06	05/02/06
FOOT-7B	SAMPLE	186299-085	8.9	0.15	1.000	112917	04/18/06	05/01/06	05/02/06
FOOT-8B	SAMPLE	186299-086	5.8	0.15	1.000	112917	04/18/06	05/01/06	05/02/06
FOOT-9B	SAMPLE	186299-087	14	0.16	1.000	112917	04/18/06	05/01/06	05/02/06
SRAM-1B	SAMPLE	186299-088	8.7	0.15	1.000	112917	04/18/06	05/01/06	05/02/06
INT-2B	SAMPLE	186299-089	14	0.15	1.000	112917	04/18/06	05/01/06	05/02/06
INT-3B	SAMPLE	186299-090	7.0	0.15	1.000	112917	04/18/06	05/01/06	05/02/06
INT-4B	SAMPLE	186299-091	6.3	0.15	1.000	112917	04/18/06	05/01/06	05/02/06
INT-5B	SAMPLE	186299-092	5.2	0.15	1.000	112917	04/18/06	05/01/06	05/02/06
INT-6B	SAMPLE	186299-093	8.5	0.15	1.000	112917	04/18/06	05/01/06	05/02/06
INT-7B	SAMPLE	186299-094	5.4	0.16	1.000	112932	04/18/06	05/02/06	05/02/06
INT-1B	SAMPLE	186299-095	4.8	0.15	1.000	112932	04/19/06	05/02/06	05/02/06
INT-8B	SAMPLE	186299-096	6.9	0.15	1.000	112932	04/19/06	05/02/06	05/02/06
HOP-1B	SAMPLE	186299-097	9.1	0.15	1.000	112932	04/19/06	05/02/06	05/02/06
HOP-2B	SAMPLE	186299-098	4.1	0.15	1.000	112932	04/19/06	05/02/06	05/02/06
HOP-3B	SAMPLE	186299-099	10	0.15	1.000	112932	04/19/06	05/02/06	05/02/06
HOP-4B	SAMPLE	186299-100	13	0.15	1.000	112932	04/19/06	05/02/06	05/02/06
HOP-5B	SAMPLE	186299-101	16	0.15	1.000	112932	04/19/06	05/02/06	05/02/06
HOP-6B	SAMPLE	186299-102	8.4	0.15	1.000	112932	04/19/06	05/02/06	05/02/06
HOP-7B	SAMPLE	186299-103	6.1	0.15	1.000	112932	04/19/06	05/02/06	05/02/06
TASS-1B	SAMPLE	186299-104	11	0.15	1.000	112932	04/19/06	05/02/06	05/02/06
FALL-1B	SAMPLE	186299-105	13	0.15	1.000	112932	04/19/06	05/02/06	05/02/06
FALL-2B	SAMPLE	186299-106	8.0	0.15	1.000	112932	04/19/06	05/02/06	05/02/06
FALL-3B	SAMPLE	186299-107	4.7	0.15	1.000	112932	04/19/06	05/02/06	05/02/06
FALL-4B	SAMPLE	186299-108	16	0.15	1.000	112932	04/19/06	05/02/06	05/02/06
FALL-5B	SAMPLE	186299-109	6.1	0.15	1.000	112932	04/19/06	05/02/06	05/02/06
SHER-1B	SAMPLE	186299-110	6.2	0.15	1.000	112932	04/19/06	05/02/06	05/02/06
SHER-2B	SAMPLE	186299-111	26	0.15	1.000	112932	04/19/06	05/02/06	05/02/06
SHER-3B	SAMPLE	186299-112	5.5	0.15	1.000	112932	04/19/06	05/02/06	05/02/06

D= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Lead

Lab #:	186299	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	EPA 3050B
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Basis:	as received
Matrix:	Soil	Received:	04/20/06
Units:	mg/Kg		

Field ID	Type	Lab ID	Result	RL	Diln Fac	Batch#	Sampled	Prepared	Analyzed
	BLANK	QC337043	ND	0.15	1.000	112695		04/25/06	04/25/06
	BLANK	QC337050	ND	0.15	1.000	112696		04/25/06	04/25/06
	BLANK	QC337177	ND	0.15	1.000	112730		04/26/06	04/26/06
	BLANK	QC337933	ND	0.15	1.000	112916		05/01/06	05/02/06
	BLANK	QC337939	ND	0.15	1.000	112917		05/01/06	05/02/06
	BLANK	QC338000	ND	0.15	1.000	112932		05/02/06	05/02/06

D= Not Detected
RL= Reporting Limit

tch QC Report

Lead

ab #:	186299	Location:	I-580 EB HOV TMP TOS/ITS Project
lient:	AGS, Inc.	Prep:	EPA 3050B
roject#:	KF0209	Analysis:	EPA 6010B
nalyte:	Lead	Basis:	as received
atrix:	Soil	Diln Fac:	1.000
nits:	mg/Kg	Received:	04/20/06

Field ID	Type	MSS Lab ID	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Batch#	Sampled	Prepared	Analyzed
	BS		QC337044		100.0	98.59	99	80-120			112695		04/25/06	04/25/06
	BSD		QC337045		100.0	98.23	98	80-120	0	20	112695		04/25/06	04/25/06
)RT-20A	MS	186299-020	QC337046	23.54	87.72	94.59	81	57-120			112695	04/17/06	04/25/06	04/25/06
)RT-20A	MSD	186299-020	QC337047		77.52	86.63	81	57-120	1	20	112695	04/17/06	04/25/06	04/25/06
	BS		QC337051		100.0	97.19	97	80-120			112696		04/25/06	04/25/06
	BSD		QC337052		100.0	98.06	98	80-120	1	20	112696		04/25/06	04/25/06
JT-4A	MS	186299-035	QC337053	23.83	86.96	97.57	85	57-120			112696	04/18/06	04/25/06	04/25/06
JT-4A	MSD	186299-035	QC337054		80.65	88.25	80	57-120	4	20	112696	04/18/06	04/25/06	04/25/06
	BS		QC337178		100.0	98.07	98	80-120			112730		04/26/06	04/26/06
	BSD		QC337179		100.0	99.68	100	80-120	2	20	112730		04/26/06	04/26/06
)P-1A	MS	186299-041	QC337180	6.772	79.37	77.84	90	57-120			112730	04/19/06	04/26/06	04/26/06
)P-1A	MSD	186299-041	QC337181		93.46	93.92	93	57-120	4	20	112730	04/19/06	04/26/06	04/26/06
	BS		QC337934		100.0	94.85	95	80-120			112916		05/01/06	05/02/06
	BSD		QC337935		100.0	98.52	99	80-120	4	20	112916		05/01/06	05/02/06
FIR-7B	MS	186299-063	QC337936	5.175	103.1	93.38	86	57-120			112916	04/17/06	05/01/06	05/02/06
FIR-7B	MSD	186299-063	QC337937		101.0	90.72	85	57-120	1	20	112916	04/17/06	05/01/06	05/02/06
	BS		QC337940		100.0	96.36	96	80-120			112917		05/01/06	05/02/06
	BSD		QC337941		100.0	98.02	98	80-120	2	20	112917		05/01/06	05/02/06
)OT-3B	MS	186299-081	QC337942	12.45	85.47	84.02	84	57-120			112917	04/18/06	05/01/06	05/02/06
)OT-3B	MSD	186299-081	QC337943		95.24	91.92	83	57-120	1	20	112917	04/18/06	05/01/06	05/02/06
	BS		QC338001		100.0	106.2	106	80-120			112932		05/02/06	05/02/06
	BSD		QC338002		100.0	102.5	103	80-120	4	20	112932		05/02/06	05/02/06
JT-7B	MS	186299-094	QC338003	5.410	108.7	105.5	92	57-120			112932	04/18/06	05/02/06	05/02/06
JT-7B	MSD	186299-094	QC338004		90.91	81.06	83	57-120	9	20	112932	04/18/06	05/02/06	05/02/06

)= Relative Percent Difference

Curtis & Tompkins, Ltd.

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

AGS, Inc.
364 14th Street
Suite 500
Oakland, CA 94612

Date: 09-MAY-06
Lab Job Number: 186393
Project ID: KF0209
Location: I-580 EB HOV TMP TOS/ITS Project

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

This package may be reproduced only in its entirety.

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	186393
Client:	AGS, Inc.
Project:	KF0209
Location:	I-580 EB HOV TMP TOS/ITS Project
Request Date:	04/26/06
Samples Received:	04/26/06

This hardcopy data package contains sample and QC results for two soil samples, requested for the above referenced project on 04/26/06. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186393

Sampler: D. Herold

Project No.: KF0209

Report To: Doug Herold (dherold@ags-inc.com

Project Name: I-580 EB HOV TMP TOS/ITS Project

Company: AGS, Inc

Project P.O.:

Telephone: (510) 251-1180 x19

Turnaround Time: Standard

Fax: (510) 251-1190

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste		# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE		Total Lead (EPA 6010) HOLD for additional Testing.
1	NA:r-6A	4/26/06 0938	X				1 Tube						X
2	NA:r-6B	" 0942	X				1 Tube						X

Notes:
HOLD for additional testing.
Sample tubes from bottom.

SAMPLE RECEIPT
☑ Intact ☑ Cold
☐ On Ice ☐ Ambient

Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
4/26/06 1030 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
4/26/06 10:25 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.

Lead

Lab #:	186393	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	EPA 3050B
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	112934
Matrix:	Soil	Sampled:	04/26/06
Units:	mg/Kg	Received:	04/26/06
Basis:	as received	Prepared:	05/02/06
Diln Fac:	1.000	Analyzed:	05/02/06

Field ID	Type	Lab ID	Result	RL
NAIR-6A	SAMPLE	186393-001	4.2	0.15
NAIR-6B	SAMPLE	186393-002	4.8	0.15
	BLANK	QC338012	ND	0.15

D= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.

Batch QC Report

Lead

Lab #:	186393	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	EPA 3050B
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	112934
MSS Lab ID:	186310-008	Sampled:	04/19/06
Matrix:	Soil	Received:	04/20/06
Units:	mg/Kg	Prepared:	05/02/06
Basis:	as received	Analyzed:	05/02/06

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC338013		100.0	93.37	93	80-120		
BSD	QC338014		100.0	98.68	99	80-120	6	20
MS	QC338015	5.488	107.5	99.59	88	57-120		
MSD	QC338016		80.65	73.55	84	57-120	3	20

RPD= Relative Percent Difference

3.0

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

AGS, Inc.
364 14th Street
Suite 500
Oakland, CA 94612

Date: 09-MAY-06
Lab Job Number: 186002
Project ID: KF0209
Location: I-580 EB HOV TMP TOS/ITS Project

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

This package may be reproduced only in its entirety.

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	186002
Client:	AGS, Inc.
Project:	KF0209
Location:	I-580 EB HOV TMP TOS/ITS Project
Request Date:	04/05/06, 04/25/06
Samples Received:	04/05/06

This hardcopy data package contains sample and QC results for twenty soil samples, requested for the above referenced project on 04/05/06 and 04/25/06. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186002

Project No.: KF0209
Project Name: I 580 Pb Sampling
Project P.O.:
Turnaround Time: Standard

Sampler: D. Herold
Report To: D. Herold
Company: AGS, Inc.
Telephone: (510) 251-1180 x 19
Fax: (510) 251-1190

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste		# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE		Total Pb (EPA 6010)	Hold for add'l Testing
-1	Port-1A	4-5-06 0959	X				1 Tube				X		X	
-2	Port-2A	" 1021	X				1 "				X		X	
-3	Port-3A	" 1043	X				1 "				X		X	
-4	Port-4A	" 1416	X				1 "				X		X	
-5	Port-5A	" 1353	X				1 "				X		X	
-6	Port-6A	" 1130	X				1 "				X		X	
-7	Port-7A	" 1156	X				1 "				X		X	
-8	Port-8A	" 1216	X				1 "				X		X	
-9	Port-10A	" 1336	X				1 "				X		X	
-10	Port-11A	" 1244	X				1 "				X		X	

Notes:
Hold for additional Testing
Sample from bottom of all tubes. (Labels upright)

SAMPLE RECEIPT
☑ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
4/5/6 4:59 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
4-5-06 5:00 p.m. DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186002

Sampler: D. Herold

Project No.: KF0209

Report To: D. Herold (dherold@agsinc.com)

Project Name: 7580 Pb sampling

Company: AGS, Inc.

Project P.O.:

Telephone: (510) 251-1180x19

Turnaround Time: Standard

Fax: (510) 251-1190

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	Soluble threshold Limit Pb	Deionized water Waste Extraction Limit (PB)
-11	Port-1B	4-5-06 1000	X			1				X		
-12	Port-2B	1030	X			1				X		
-13	Port-3B	1050	X			1				X		
-14	Port-4B	1424	X			1				X		
-15	Port-5B	1406	X			1				X		
-16	Port-6B	1138	X			1				X		
-17	Port-7B	1149	X			1				X		
-18	Port-8B	1224	X			1				X		
-19	Port-10B	1328	X			1				X		
-20	Port-11B	1255	X			1				X		

Notes:
Hold for additional Testing
Sample from bottom of Tubes
ATTACH is how we want samples to be ran

SAMPLE RECEIPT
☑ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
4/5/06 4:59 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
4-5-06 5:00 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request By: D.Herold Date/Time: 4/25/06 12:41 Initials: SES

Login Review Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186002-011		PORT-1B	Soil	Add	Pb	5/1
186002-012		PORT-2B	Soil	Add	Pb	5/1
186002-013		PORT-3B	Soil	Add	Pb	5/1
186002-014		PORT-4B	Soil	Add	Pb	5/1
186002-015		PORT-5B	Soil	Add	Pb	5/1
186002-016		PORT-6B	Soil	Add	Pb	5/1
186002-017		PORT-7B	Soil	Add	Pb	5/1
186002-018		PORT-8B	Soil	Add	Pb	5/1
186002-019		PORT-10B	Soil	Add	Pb	5/1
186002-020		PORT-11B	Soil	Add	Pb	5/1

Steven Stanley

From: "Doug Herold" <dherold@agsinc.com>
To: <steve@ctberk.com>
Sent: Monday, April 24, 2006 10:13 AM
Subject: Additional testing for I-580 samples

Steve,

Please note that I was requested to have the final reports for all the testing include the name of the project as "I-580 EB HOV TMP TOS/ITS Project" as I wrote on the final 2 CoCs Thursday and Friday oof last week. Please make this change on all the previous submissions.

My boss has requested that I request total lead testing (EPA 6010) on all the B samples. Please put this test request into the system.
This applies to the samples listed on CoCs #186002, 186153, 186201, 186299, and the samples I brought in on Friday, 4/21, for which I have not received a lab number on.

Also, be advised that we are expected to run (or have you run) the soluble threshold limit concentration test for lead and the de-ionized water waste extraction lead test on all samples with a total lead at or above 50. Do not discard ANY samples. If your hold period for anything expires, give me a buzz, call or email, and I will come pick them up.

Thank you.

Doug Herold

AGS, Inc.
T: (510) 251-1180 x19
F: (510) 251-1190
M: (415) 342-2515
E: dherold@agsinc.com

Curtis & Tompkins, Ltd.

Lead

Lab #:	186002	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	EPA 3050B
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Basis:	as received
Matrix:	Soil	Sampled:	04/05/06
Units:	mg/Kg	Received:	04/05/06

Field ID	Type	Lab ID	Result	RL	Diln Fac	Batch#	Prepared	Analyzed
PORT-1A	SAMPLE	186002-001	55	0.12	1.000	112340	04/13/06	04/13/06
PORT-2A	SAMPLE	186002-002	150	0.12	1.000	112340	04/13/06	04/13/06
PORT-3A	SAMPLE	186002-003	89	0.15	1.000	112340	04/13/06	04/13/06
PORT-4A	SAMPLE	186002-004	260	0.11	1.000	112340	04/13/06	04/13/06
PORT-5A	SAMPLE	186002-005	100	0.12	1.000	112340	04/13/06	04/13/06
PORT-6A	SAMPLE	186002-006	180	0.14	1.000	112340	04/13/06	04/13/06
PORT-7A	SAMPLE	186002-007	230	0.11	1.000	112340	04/13/06	04/13/06
PORT-8A	SAMPLE	186002-008	380	0.14	1.000	112340	04/13/06	04/13/06
PORT-10A	SAMPLE	186002-009	3,800	1.5	10.00	112340	04/13/06	04/13/06
PORT-11A	SAMPLE	186002-010	1,100	0.72	5.000	112340	04/13/06	04/13/06
PORT-1B	SAMPLE	186002-011	5.3	0.13	1.000	112880	04/29/06	05/01/06
PORT-2B	SAMPLE	186002-012	4.8	0.13	1.000	112880	04/29/06	05/01/06
PORT-3B	SAMPLE	186002-013	19	0.12	1.000	112880	04/29/06	05/01/06
PORT-4B	SAMPLE	186002-014	3.7	0.12	1.000	112880	04/29/06	05/01/06
PORT-5B	SAMPLE	186002-015	3.4	0.15	1.000	112880	04/29/06	05/01/06
PORT-6B	SAMPLE	186002-016	4.8	0.12	1.000	112880	04/29/06	05/01/06
PORT-7B	SAMPLE	186002-017	4.5	0.14	1.000	112880	04/29/06	05/01/06
PORT-8B	SAMPLE	186002-018	41	0.14	1.000	112880	04/29/06	05/01/06
PORT-10B	SAMPLE	186002-019	7.8	0.14	1.000	112880	04/29/06	05/01/06
PORT-11B	SAMPLE	186002-020	5.2	0.15	1.000	112880	04/29/06	05/01/06
	BLANK	QC335586	ND	0.15	1.000	112340	04/13/06	04/13/06
	BLANK	QC337775	ND	0.15	1.000	112880	04/29/06	05/01/06

..D= Not Detected
RL= Reporting Limit

:ch QC Report

Lead

.b #:	186002	Location:	I-580 EB HOV TMP TOS/I
.ient:	AGS, Inc.	Prep:	EPA 3050B
·oject#:	KF0209	Analysis:	EPA 6010B
ıalyte:	Lead	Basis:	as received
.trix:	Soil	Diln Fac:	1.000
ıits:	mg/Kg		

Field ID	Type	MSS Lab ID	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Batch#	Sampled	Received	Prepared	Analyzed
	BS		QC335587		100.0	99.15	99	80-120			112340			04/13/06	04/13/06
	BSD		QC335588		100.0	98.92	99	80-120	0	20	112340			04/13/06	04/13/06
:ZZZZZZZ	MS	186087-024	QC335589	599.8	83.33	670.6 >LR	85 NM	57-120			112340	04/10/06	04/11/06	04/13/06	04/13/06
:ZZZZZZZ	MSD	186087-024	QC335590		81.97	699.2 >LR	121 NM	57-120	NC	20	112340	04/10/06	04/11/06	04/13/06	04/13/06
	BS		QC337776		100.0	89.64	90	80-120			112880			04/29/06	05/01/06
	BSD		QC337777		100.0	91.87	92	80-120	2	20	112880			04/29/06	05/01/06
:T-1B	MS	186002-011	QC337778	5.311	80.65	73.27	84	57-120			112880	04/05/06	04/05/06	04/29/06	05/01/06
:T-1B	MSD	186002-011	QC337779		96.15	87.52	86	57-120	1	20	112880	04/05/06	04/05/06	04/29/06	05/01/06

:= Not Calculated
1= Not Meaningful: Sample concentration > 4X spike concentration
2= Response exceeds instrument's linear range
)= Relative Percent Difference

Curtis & Tompkins, Ltd.

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

AGS, Inc.
364 14th Street
Suite 500
Oakland, CA 94612

Date: 09-MAY-06
Lab Job Number: 186201
Project ID: KF0209
Location: I-580 EB HOV TMP TOS/ITS Project

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

This package may be reproduced only in its entirety.

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	186201
Client:	AGS, Inc.
Project:	KF0209
Location:	I-580 EB HOV TMP TOS/ITS Project
Request Date:	04/14/06, 04/25/06
Samples Received:	04/14/06

This hardcopy data package contains sample and QC results for sixty six soil samples, requested for the above referenced project on 04/14/06 and 04/25/06. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186201

Sampler: D. Herold

Project No.: KF0209

Report To: Doug Herold dherold@agsinc.com

Project Name:

Company: AGS, Inc.

Project P.O.:

Telephone: (510) 251-1180 x19

Turnaround Time: Standard

Fax: (510) 251-1190

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	Total Lead (EPA 6010) HOLD for additional Testing
-1	SFir-1A	4/13/06 0851	X			1 Tube				X	X
-2	SFir-2A *	1112	X			1				X	X
-3	SFir-3A	1138	X			1				X	X
-4	SFir-4A	1158	X			1				X	X
-5	SFir-5A	1228	X			1				X	X
-6	SFir-6A	1250	X			1				X	X
-7	SFir-7A	1327	X			1				X	X
-8	SGRN-7A	1414	X			1				X	X
-9	NGRN-1A	1451	X			1				X	X
-10	NGRN-2A	1516**	X			1				X	X
-11	NGRN-3A	1538	X			1				X	X
-12	NGRN-4A	1558	X			1				X	X
-13	NGRN-5A	1620***	X			1				X	X

Notes:
HOLD samples for additional testing
Sample all tubes from bottom
* ID on label = NFir-2A ZGW 4-14-06
** Time on label = 1518
*** Time on label = 1420

SAMPLE RECEIPT
☐ Intact ☐ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
4/14/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
4-14-06 4:55pm. DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186201

Sampler: D. Herold

Project No.: KF0209

Report To: Doug Herold

Project Name:

Company: AGS, Inc.

Project P.O.:

Telephone: (510) 251-1180 x 19

Turnaround Time: Standard

Fax: (510) 251-1190

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste		# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE		Total Lead (EPA 6010)	HOLD Samples for additional Testing!!										
-14	NGRN-6A	4/13/06 1638	X				1 Tube				X		X											
-15	S Fir-8A	4/13/06 1345	X				1				X		X											
-16	N Air-3A	4/14/06 0900	X				1				X		X											
-17	N Air-4A	0919	X				1				X		X											
-18	N Air-5A	0835	X				1				X		X											
-19	Port-9A	0943	X				1				X		X											
-20	Port-12A	1519	X				1				X		X											
-21	Port-13A	1448	X				1				X		X											
-22	Port-14A	1459	X				1				X		X											
-23	NJSA-1A	1018	X				1				X		X											
-24	SJSA-1A	1109	X				1				X		X											
-25	SJSA-2A	1047	X				1				X		X											
-26	ALTR-1A	1150	X				1				X		X											

Notes:
HOLD samples for additional testing
Sample all tubes from bottom.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
4/14/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
4-14-06 4:55 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186201

Sampler: D. Herold
Report To: Doug Herold
Company: AGS, Inc
Telephone: (510) 251-1180 x19
Fax: (510) 251-1190

Project No.: KF0209
Project Name:
Project P.O.:
Turnaround Time: Standard

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	Analysis: Total Lead (EPA 6010)	Analysis: HOLD for additional Testing
-27	NGRN-7A	4/14/06 1352	X			1 Tube				X	X	
-28	NGRN-8A	1335	X			1				X	X	
-29	NGRN-9A	1311	X			1				X	X	
-30	NGRN-10A	1234	X			1				X	X	
-31	NGRN-11A	1210	X			1				X	X	
-32	NGRN-12A	1249	X			1				X	X	
-33	NGRN-14A	1420	X			1				X	X	

Notes:
HOLD samples for additional testing.
Sample all tubes from bottom.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
4/14/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
4-14-06 4:55 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186201

Sampler: D. Herold

Project No.: KF0209

Report To: Doug Herold

Project Name:

Company: AGS, Inc

Project P.O.:

Telephone: (510) 251-1180 x 19

Turnaround Time: Standard

Fax: (510) 251-1190

Analysis

HOLD Samples for additional Testing

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE
-34	S Fir - 1B	4/13/06 0904	X			1 Tube				X
-35	S Fir - 2B *	1120	X			1				X
-36	S Fir - 3B	1147	X			1				X
-37	S Fir - 4B	1205	X			1				X
-38	S Fir - 5B	1238	X			1				X
-39	S Fir - 6B	1259	X			1				X
-40	S Fir - 7B	1332	X			1				X
-41	S Fir - 8B	1353	X			1				X
-42	S GRN - 1B	1425	X			1				X
-43	N GRN - 1B	1458	X			1				X
-44	N GRN - 2B	1524	X			1				X
-45	N GRN - 3B **	1545	X			1				X
-46	N GRN - 4B	1605	X			1				X

Notes:
HOLD Samples for additional testing
Sample all tubes from bottom.
* ID on label = N Fir - 2B
** ↓ ↓ ↓ ↓ N GRN - 3A

SAMPLE RECEIPT
☑ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

JGW 4-14-06
SIGNATURE

RELINQUISHED BY:
4/14/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
4-14-06 4:55 DATE / TIME
DATE / TIME
DATE / TIME

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186201

Sampler: D. Herold

Project No.: KF0209

Report To: Doug Herold

Project Name:

Company: AGS, Inc.

Project P.O.:

Telephone: (570) 251-1180X19

Turnaround Time: Standard

Fax: (570) 251-1190

Analysis: HOLD Samples for additional Testing

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	
-47	NGRN-5B	4/13/06 1627*	X				1 Tube				X	
-48	NGRN-6B	4/13/06 1645	X				1				X	
-49	NAir-3B	4/14/06 0908	X				1				X	
-50	NAir-4B	0927	X				1				X	
-51	NAir-5B	0842	X				1				X	
-52	Port-9B	0951	X				1				X	
-53	Port-12B	1528	X				1				X	
-54	Port-13B	1455	X				1				X	
-55	Port-14B	1505	X				1				X	
-56	NISA-1B	1026	X				1				X	
-57	SISA-1B	1114	X				1				X	
-58	SISA-2B	1053	X				1				X	
-59	ALTR-1B	1158	X				1				X	

Notes:
HOLD Samples for additional Testing.
Sample all tubes from bottom.
* Time on label = 1427 JGW 4-14-06

SAMPLE RECEIPT
☐ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:	RECEIVED BY:
4/14/06 DATE / TIME	4-14-06 9:55 DATE / TIME
DATE / TIME	DATE / TIME
DATE / TIME	DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186201

Sampler: D. Herold

Project No.: KF0209

Report To: Doug Herold

Project Name:

Company:

Project P.O.:

Telephone: (510) 251-1180 X19

Turnaround Time: Standard

Fax: (510) 251-1190

Analysis

HOLD for additional Testing

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste		# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	
-60	NGRN - 7B	4/14/06 1359	X				1 Tube				X	
-61	NGRN - 8B	1343	X				1				X	
-62	NGRN - 9B	1320	X				1				X	
-63	NGRN - 10B	* 1242	X				1				X	
-64	NGRN - 11B	1218	X				1				X	
-65	NGRN - 12B	1259	X				1				X	
-66	NLIV - 14B	1431	X				1				X	

Notes:
HOLD for additional Testing.
Sample all tubes from bottom.
* Time on label = 1241 JGW 4-14-06

SAMPLE RECEIPT
☒ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
4/14/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
4-14-06 4:55 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request By: D. Herold Date/Time: 4/25/06 13:40 Initials: SES

Login Review Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186201-034		SFIR-1B	Soil	Add	Pb	5/1
186201-035		SFIR-2B	Soil	Add	Pb	5/1
186201-036		SFIR-3B	Soil	Add	Pb	5/1
186201-037		SFIR-4B	Soil	Add	Pb	5/1
186201-038		SFIR-5B	Soil	Add	Pb	5/1
186201-039		SFIR-6B	Soil	Add	Pb	5/1
186201-040		SFIR-7B	Soil	Add	Pb	5/1
186201-041		SFIR-8B	Soil	Add	Pb	5/1
186201-042		SGRN-7B	Soil	Add	Pb	5/1
186201-043		NGRN-1B	Soil	Add	Pb	5/1
186201-044		NGRN-2B	Soil	Add	Pb	5/1
186201-045		NGRN-3B	Soil	Add	Pb	5/1
186201-046		NGRN-4B	Soil	Add	Pb	5/1
186201-047		NGRN-5B	Soil	Add	Pb	5/1
186201-048		NGRN-6B	Soil	Add	Pb	5/1
186201-049		NAIR-3B	Soil	Add	Pb	5/1
186201-050		NAIR-4B	Soil	Add	Pb	5/1

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request By: D. Herold Date/Time: 4/25/06 13:42 Initials: SES

Login Review Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186201-051		NAIR-5B	Soil	Add	Pb	5/1
186201-052		PORT-9B	Soil	Add	Pb	5/1
186201-053		PORT-12B	Soil	Add	Pb	5/1
186201-054		PORT-13B	Soil	Add	Pb	5/1
186201-055		PORT-14B	Soil	Add	Pb	5/1
186201-056		NISA-1B	Soil	Add	Pb	5/1
186201-057		SISA-1B	Soil	Add	Pb	5/1
186201-058		SISA-2B	Soil	Add	Pb	5/1
186201-059		ALTR-1B	Soil	Add	Pb	5/1
186201-060		NGRN-7B	Soil	Add	Pb	5/1
186201-061		NGRN-8B	Soil	Add	Pb	5/1
186201-062		NGRN-9B	Soil	Add	Pb	5/1
186201-063		NGRN-10B	Soil	Add	Pb	5/1
186201-064		NGRN-11B	Soil	Add	Pb	5/1
186201-065		NGRN-12B	Soil	Add	Pb	5/1
186201-066		NLIV-14B	Soil	Add	Pb	5/1

Steven Stanley

From: "Doug Herold" <dherold@agsinc.com>
To: <steve@ctberk.com>
Sent: Monday, April 24, 2006 10:13 AM
Subject: Additional testing for I-580 samples

Steve,

Please note that I was requested to have the final reports for all the testing include the name of the project as "I-580 EB HOV TMP TOS/ITS Project" as I wrote on the final 2 CoCs Thursday and Friday oof last week. Please make this change on all the previous submissions.

My boss has requested that I request total lead testing (EPA 6010) on all the B samples. Please put this test request into the system.
This applies to the samples listed on CoCs #186002, 186153, 186201, 186299, and the samples I brought in on Friday, 4/21, for which I have not received a lab number on.

Also, be advised that we are expected to run (or have you run) the soluble threshold limit concentration test for lead and the de-ionized water waste extraction lead test on all samples with a total lead at or above 50. Do not discard ANY samples. If your hold period for anything expires, give me a buzz, call or email, and I will come pick them up.

Thank you.

Doug Herold

AGS, Inc.
T: (510) 251-1180 x19
F: (510) 251-1190
M: (415) 342-2515
E: dherold@agsinc.com

Curtis & Tompkins, Ltd.

Lead

Lab #:	186201	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	EPA 3050B
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Basis:	as received
Matrix:	Soil	Received:	04/14/06
Units:	mg/Kg		

Field ID	Type	Lab ID	Result	RL	Diln Fac	Batch#	Sampled	Prepared	Analyzed
SFIR-1A	SAMPLE	186201-001	5.7	0.16	1.000	112529	04/13/06	04/19/06	04/19/06
SFIR-2A	SAMPLE	186201-002	7.1	0.15	1.000	112529	04/13/06	04/19/06	04/19/06
SFIR-3A	SAMPLE	186201-003	11	0.15	1.000	112529	04/13/06	04/19/06	04/19/06
SFIR-4A	SAMPLE	186201-004	5.4	0.15	1.000	112529	04/13/06	04/19/06	04/19/06
SFIR-5A	SAMPLE	186201-005	20	0.15	1.000	112529	04/13/06	04/19/06	04/19/06
SFIR-6A	SAMPLE	186201-006	5.3	0.15	1.000	112529	04/13/06	04/19/06	04/19/06
SFIR-7A	SAMPLE	186201-007	37	0.15	1.000	112529	04/13/06	04/19/06	04/19/06
SGRN-7A	SAMPLE	186201-008	7.9	0.15	1.000	112529	04/13/06	04/19/06	04/19/06
NGRN-1A	SAMPLE	186201-009	17	0.15	1.000	112529	04/13/06	04/19/06	04/19/06
NGRN-2A	SAMPLE	186201-010	5.3	0.15	1.000	112529	04/13/06	04/19/06	04/19/06
NGRN-3A	SAMPLE	186201-011	740	1.7	10.00	112529	04/13/06	04/19/06	04/19/06
NGRN-4A	SAMPLE	186201-012	49	0.15	1.000	112529	04/13/06	04/19/06	04/19/06
NGRN-5A	SAMPLE	186201-013	98	0.15	1.000	112529	04/13/06	04/19/06	04/19/06
NGRN-6A	SAMPLE	186201-014	18	0.15	1.000	112529	04/13/06	04/19/06	04/19/06
SFIR-8A	SAMPLE	186201-015	38	0.16	1.000	112529	04/13/06	04/19/06	04/19/06
NAIR-3A	SAMPLE	186201-016	3.8	0.15	1.000	112529	04/14/06	04/19/06	04/19/06
NAIR-4A	SAMPLE	186201-017	3.9	0.15	1.000	112529	04/14/06	04/19/06	04/19/06
NAIR-5A	SAMPLE	186201-018	22	0.15	1.000	112529	04/14/06	04/19/06	04/19/06
PORT-9A	SAMPLE	186201-019	15	0.15	1.000	112529	04/14/06	04/19/06	04/19/06
PORT-12A	SAMPLE	186201-020	8.7	0.15	1.000	112530	04/14/06	04/19/06	04/19/06
PORT-13A	SAMPLE	186201-021	2.5	0.15	1.000	112530	04/14/06	04/19/06	04/19/06
PORT-14A	SAMPLE	186201-022	4.5	0.15	1.000	112530	04/14/06	04/19/06	04/19/06
NISA-1A	SAMPLE	186201-023	12	0.15	1.000	112530	04/14/06	04/19/06	04/19/06
SISA-1A	SAMPLE	186201-024	8.7	0.15	1.000	112530	04/14/06	04/19/06	04/19/06
SISA-2A	SAMPLE	186201-025	6.1	0.15	1.000	112530	04/14/06	04/19/06	04/19/06
ALTR-1A	SAMPLE	186201-026	5.5	0.15	1.000	112530	04/14/06	04/19/06	04/19/06
NGRN-7A	SAMPLE	186201-027	7.6	0.15	1.000	112530	04/14/06	04/19/06	04/19/06
NGRN-8A	SAMPLE	186201-028	140	0.16	1.000	112530	04/14/06	04/19/06	04/19/06
NGRN-9A	SAMPLE	186201-029	8.7	0.15	1.000	112530	04/14/06	04/19/06	04/19/06
NGRN-10A	SAMPLE	186201-030	15	0.15	1.000	112530	04/14/06	04/19/06	04/19/06
NGRN-11A	SAMPLE	186201-031	8.1	0.15	1.000	112530	04/14/06	04/19/06	04/19/06
NGRN-12A	SAMPLE	186201-032	8.1	0.15	1.000	112530	04/14/06	04/19/06	04/19/06
NLIV-14A	SAMPLE	186201-033	14	0.15	1.000	112530	04/14/06	04/19/06	04/19/06
SFIR-1B	SAMPLE	186201-034	3.7	0.15	1.000	112878	04/13/06	04/29/06	05/01/06
SFIR-2B	SAMPLE	186201-035	3.1	0.15	1.000	112878	04/13/06	04/29/06	05/01/06
SFIR-3B	SAMPLE	186201-036	6.1	0.15	1.000	112878	04/13/06	04/29/06	05/01/06
SFIR-4B	SAMPLE	186201-037	5.9	0.15	1.000	112878	04/13/06	04/29/06	05/01/06
SFIR-5B	SAMPLE	186201-038	6.1	0.15	1.000	112878	04/13/06	04/29/06	05/01/06
SFIR-6B	SAMPLE	186201-039	8.6	0.15	1.000	112878	04/13/06	04/29/06	05/01/06

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Lead

Lab #:	186201	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	EPA 3050B
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Basis:	as received
Matrix:	Soil	Received:	04/14/06
Units:	mg/Kg		

Field ID	Type	Lab ID	Result	RL	Diln Fac	Batch#	Sampled	Prepared	Analyzed
SFIR-7B	SAMPLE	186201-040	5.9	0.15	1.000	112878	04/13/06	04/29/06	05/01/06
SFIR-8B	SAMPLE	186201-041	9.8	0.15	1.000	112878	04/13/06	04/29/06	05/01/06
SGRN-7B	SAMPLE	186201-042	8.1	0.15	1.000	112878	04/13/06	04/29/06	05/01/06
NGRN-1B	SAMPLE	186201-043	160	0.15	1.000	112878	04/13/06	04/29/06	05/01/06
NGRN-2B	SAMPLE	186201-044	510	1.4	10.00	112878	04/13/06	04/29/06	05/01/06
NGRN-3B	SAMPLE	186201-045	380	0.15	1.000	112878	04/13/06	04/29/06	05/01/06
NGRN-4B	SAMPLE	186201-046	24	0.15	1.000	112878	04/13/06	04/29/06	05/01/06
NGRN-5B	SAMPLE	186201-047	16	0.15	1.000	112878	04/13/06	04/29/06	05/01/06
NGRN-6B	SAMPLE	186201-048	2.4	0.15	1.000	112878	04/13/06	04/29/06	05/01/06
NAIR-3B	SAMPLE	186201-049	5.6	0.15	1.000	112878	04/14/06	04/29/06	05/01/06
NAIR-4B	SAMPLE	186201-050	6.1	0.15	1.000	112878	04/14/06	04/29/06	05/01/06
NAIR-5B	SAMPLE	186201-051	4.0	0.15	1.000	112879	04/14/06	04/29/06	05/01/06
PORT-9B	SAMPLE	186201-052	9.0	0.15	1.000	112879	04/14/06	04/29/06	05/01/06
PORT-12B	SAMPLE	186201-053	7.5	0.15	1.000	112879	04/14/06	04/29/06	05/01/06
PORT-13B	SAMPLE	186201-054	4.4	0.15	1.000	112879	04/14/06	04/29/06	05/01/06
PORT-14B	SAMPLE	186201-055	4.5	0.15	1.000	112879	04/14/06	04/29/06	05/01/06
NISA-1B	SAMPLE	186201-056	6.8	0.15	1.000	112879	04/14/06	04/29/06	05/01/06
SISA-1B	SAMPLE	186201-057	6.4	0.15	1.000	112879	04/14/06	04/29/06	05/01/06
SISA-2B	SAMPLE	186201-058	5.2	0.15	1.000	112879	04/14/06	04/29/06	05/01/06
ALTR-1B	SAMPLE	186201-059	5.1	0.15	1.000	112879	04/14/06	04/29/06	05/01/06
NGRN-7B	SAMPLE	186201-060	5.3	0.15	1.000	112879	04/14/06	04/29/06	05/01/06
NGRN-8B	SAMPLE	186201-061	10	0.15	1.000	112879	04/14/06	04/29/06	05/01/06
NGRN-9B	SAMPLE	186201-062	3.5	0.15	1.000	112879	04/14/06	04/29/06	05/01/06
NGRN-10B	SAMPLE	186201-063	6.8	0.15	1.000	112879	04/14/06	04/29/06	05/01/06
NGRN-11B	SAMPLE	186201-064	6.1	0.15	1.000	112879	04/14/06	04/29/06	05/01/06
NGRN-12B	SAMPLE	186201-065	5.8	0.15	1.000	112879	04/14/06	04/29/06	05/01/06
NLIV-14B	SAMPLE	186201-066	10	0.15	1.000	112879	04/14/06	04/29/06	05/01/06
	BLANK	QC336345	ND	0.15	1.000	112529		04/19/06	04/19/06
	BLANK	QC336350	ND	0.15	1.000	112530		04/19/06	04/19/06
	BLANK	QC337765	ND	0.15	1.000	112878		04/29/06	05/01/06
	BLANK	QC337770	ND	0.15	1.000	112879		04/29/06	05/01/06

ND= Not Detected
RL= Reporting Limit

tch QC Report

Lead

ab #:	186201	Location:	I-580 EB HOV TMP TOS/ITS Project
lient:	AGS, Inc.	Prep:	EPA 3050B
roject#:	KF0209	Analysis:	EPA 6010B
nalyte:	Lead	Basis:	as received
atrix:	Soil	Diln Fac:	1.000
nits:	mg/Kg		

Field ID	Type	MSS Lab ID	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Batch#	Sampled	Received	Prepared	Analyzed
	BS		QC336346		100.0	92.30	92	80-120			112529			04/19/06	04/19/06
	BSD		QC336347		100.0	94.00	94	80-120	2	20	112529			04/19/06	04/19/06
FIR-2A	MS	186201-002	QC336348	7.081	84.75	73.77	79	57-120			112529	04/13/06	04/14/06	04/19/06	04/19/06
FIR-2A	MSD	186201-002	QC336349		100.0	96.46	89	57-120	11	20	112529	04/13/06	04/14/06	04/19/06	04/19/06
	BS		QC336351		100.0	95.48	95	80-120			112530			04/19/06	04/19/06
	BSD		QC336352		100.0	92.57	93	80-120	3	20	112530			04/19/06	04/19/06
ZZZZZZZZZ	MS	186076-001	QC336353	1.846	107.5	102.9	94	57-120			112530	04/07/06	04/10/06	04/19/06	04/19/06
ZZZZZZZZZ	MSD	186076-001	QC336354		89.29	83.45	91	57-120	3	20	112530	04/07/06	04/10/06	04/19/06	04/19/06
	BS		QC337766		100.0	89.31	89	80-120			112878			04/29/06	05/01/06
	BSD		QC337767		100.0	91.44	91	80-120	2	20	112878			04/29/06	05/01/06
FIR-1B	MS	186201-034	QC337768	3.698	97.09	88.01	87	57-120			112878	04/13/06	04/14/06	04/29/06	05/01/06
FIR-1B	MSD	186201-034	QC337769		86.96	77.62	85	57-120	2	20	112878	04/13/06	04/14/06	04/29/06	05/01/06
	BS		QC337771		100.0	93.14	93	80-120			112879			04/29/06	05/01/06
	BSD		QC337772		100.0	91.10	91	80-120	2	20	112879			04/29/06	05/01/06
AIR-5B	MS	186201-051	QC337773	3.968	100.0	94.02	90	57-120			112879	04/14/06	04/14/06	04/29/06	05/01/06
AIR-5B	MSD	186201-051	QC337774		94.34	86.13	87	57-120	3	20	112879	04/14/06	04/14/06	04/29/06	05/01/06

D= Relative Percent Difference

3.1

Curtis & Tompkins, Ltd.

AGS

SOLUBLE THRESHOLD LIMIT CONCENTRATION LABORATORY TEST RESULTS

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

AGS, Inc.
364 14th Street
Suite 500
Oakland, CA 94612

Date: 12-MAY-06
Lab Job Number: 186485
Project ID: KF0209
Location: I-580 EB HOV TMP TOS/ITS Project

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

This package may be reproduced only in its entirety.

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	186485
Client:	AGS, Inc.
Project:	KF0209
Location:	I-580 EB HOV TMP TOS/ITS Project
Request Date:	05/01/06
Samples Received:	04/05/06, 04/12/06, 04/14/06, 04/20/06, 04/21/06

This hardcopy data package contains sample and QC results for twenty seven soil samples, requested for the above referenced project on 05/01/06. The samples were received cold and intact.

Metals (EPA 6010B) WET Leachate:
No analytical problems were encountered.

Metals (EPA 6010B) WET DI Leachate:
Lead was detected above the RL in the method blank for batch 113066. No other analytical problems were encountered.

186485

Steven Stanley

From: "Doug Herold" <dherold@agsinc.com>
To: <steve@ctberk.com>
Sent: Friday, April 28, 2006 11:32 AM
Subject: Lab #186002, 186153, 186201, 186299: Additional test requests

Hi Steve,

The lead content indicated on the results for these four lab submissions require that we perform additional testing on these selected samples. The additional testing is for Soluble Threshold Limit Concentration of Lead and Deionized Water Waste Extraction for Lead. (WET Pb & WET DI Pb)

Please perform this additional testing on the samples identified below:

	Lab #186002:			Lab # 186153:			Lab #186201:			Lab #186299:	
-1	PORT-1A	-001	-11	NVAS-1A	-011	-13	NGRN-3A	-011	-17	NFIR-9A	-009
-2	PORT-2A	-002	-12	SVAS-5A	-053	-14	NGRN-4A	-012	-18	NFIR-10A	-010
-3	PORT-3A	-003				-15	NGRN-5A	-013	-19	NFIR-11A	-011
-4	PORT-4A	-004				-16	NGRN-8A	-028	-20	PORT-16A	-016
-5	PORT-5A	-005							-21	PORT-19A	-019
-6	PORT-6A	-006							-22	HOP-7A	-047
-7	PORT-7A	-007									
-8	PORT-8A	-008									
-9	PORT-10A	-009									
-10	PORT-11A	-010									

Please do NOT discard any samples. Please inform me of the expiration of your hold period for any samples, and I will pick them up for continued storage.

Thank you.

Doug Herold
Senior Staff Geologist
AGS, Inc.
T: (510) 251-1180 x19
F: (510) 251-1190
M: (415) 342-2515

186485

Steven Stanley

From: "Doug Herold" <dherold@agsinc.com>
To: "Steve Stanley" <steve@ctberk.com>
Sent: Friday, April 28, 2006 3:52 PM
Subject: RE: KF0209 - C&T Reports (186315) for A samples

Hi Steve,

As with the request I sent this morning, I need the following A samples to be wet tested for STLC-Pb and DI-Pb:

Sample #186315:

-23	AND-1A	-001
-24	SUN-3A	-005
-25	ALCO-1A	-008
-26	ALCO-2A	-009
-27	ALCO-3A	-010

Also, as I will be out in the field the next 2 weeks, please also cc the results to: bkhamenehpour@agsinc.com.

Bahram has asked that I confirm with you that no samples will be disposed of until all testing is completed. I may not be able to arrange a pickup while I am out in the field, so please extend the hold time for at least another 2 weeks.

Thank you.

Doug Herold
Senior Staff Geologist
AGS, Inc.
T: (510) 251-1180 x19
F: (510) 251-1190
M: (415) 342-2515

-----Original Message-----
From: Steve Stanley [mailto:steve@ctberk.com]
Sent: Friday, April 28, 2006 3:26 PM
To: dherold@agsinc.com
Subject: KF0209 - C&T Reports (186315) for A samples

Attached is a PDF version of the hardcopy reports for C&T job 186315.

Email compiled and sent 04/28/06 03:25 PM.

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 18602

Project No.: KF2209
Project Name: 1 556 Pb Sampling
Project P.O.:
Turnaround Time: Standard

Sampler: D. Heald
Report To: D Heald
Company: AGS, Inc
Telephone: (510) 251-1180 x 19
Fax: (510) 251-1190

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	Total Pb (EPA 6010)	Hold for additional Testing
-1	Port-1A	4-5-06 0959	X			1 Tube				X	X	
-2	Port-2A	" 1021	X			1 "				X	X	
-3	Port-3A	" 1043	X			1 "				X	X	
-4	Port-4A	" 1416	X			1 "				X	X	
-5	Port-5A	" 1353	X			1 "				X	X	
-6	Port-6A	" 1130	X			1 "				X	X	
-7	Port-7A	" 1156	X			1 "				X	X	
-8	Port-8A	" 1216	X			1 "				X	X	
-9	Port-10A	" 1336	X			1 "				X	X	
-10	Port-11A	" 1244	X			1 "				X	X	

Notes:
Hold for additional Testing
Sample from bottom of all tubes. (Labels upright)

SAMPLE RECEIPT
☑ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
4/5/06 4:59
DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
4-5-06 5:00 p.m.
DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186602

Sampler: D. Herold

Project No.: KF0209

Report To: D. Herold (dherold@[illegible].com)

Project Name: I580 Pb Sampling

Company: AGS, Inc

Project P.O.:

Telephone: (510) 251-1180x19

Turnaround Time: Standard

Fax: (510) 251-1190

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste		# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE		Soluble threshold Limit Pb	Deionized Water Waste Extraction Limit (Pb)
-11	Port - 1B	4-5-06 1000	X				1				X			
-12	Port - 2B	1030	X				1				X			
-13	Port - 3B	1050	X				1				X			
-14	Port - 4B	1424	X				1				X			
-15	Port - 5B	1406	X				1				X			
-16	Port - 6B	1138	X				1				X			
-17	Port - 7B	1149	X				1				X			
-18	Port - 8B	1224	X				1				X			
-19	Port - 10B	1328	X				1				X			
-20	Port - 11B	1255	X				1				X			

Notes:
Hold for additional Testing
Sample from bottom of Tubes
ATTACH is how we want samples to be ran

SAMPLE RECEIPT
☒ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/5/6 4:59 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
Lavanna C[illegible] 4-5-06 5:00 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

CURTIS & TOMPKINS, LTD. BERKELEY

LOGIN CHANGE FORM

Reason for change: X Client Request By: D.Herold
Login Review Data Review

Date/Time: 4/25/06 12:41 Initials: SES

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186002-011		PORT-1B	Soil	Add	Pb	5/1
186002-012		PORT-2B	Soil	Add	Pb	5/1
186002-013		PORT-3B	Soil	Add	Pb	5/1
186002-014		PORT-4B	Soil	Add	Pb	5/1
186002-015		PORT-5B	Soil	Add	Pb	5/1
186002-016		PORT-6B	Soil	Add	Pb	5/1
186002-017		PORT-7B	Soil	Add	Pb	5/1
186002-018		PORT-8B	Soil	Add	Pb	5/1
186002-019		PORT-10B	Soil	Add	Pb	5/1
186002-020		PORT-11B	Soil	Add	Pb	5/1

Steven Stanley

From: "Doug Herold" <dherold@agsinc.com>
To: <steve@ctberk.com>
Sent: Monday, April 24, 2006 10:13 AM
Subject: Additional testing for I-580 samples

Steve.

Please note that I was requested to have the final reports for all the testing include the name of the project as "I-580 EB HOV TMP TOS/ITS Project" as I wrote on the final 2 CoCs Thursday and Friday oof last week. Please make this change on all the previous submissions.

My boss has requested that I request total lead testing (EPA 6010) on all the B samples. Please put this test request into the system.
This applies to the samples listed on CoCs #186002, 186153, 186201, 186299, and the samples I brought in on Friday, 4/21, for which I have not received a lab number on.

Also, be advised that we are expected to run (or have you run) the soluble threshold limit concentration test for lead and the de-ionized water waste extraction lead test on all samples with a total lead at or above 50. Do not discard ANY samples. If your hold period for anything expires, give me a buzz, call or email, and I will come pick them up.

Thank you.

Doug Herold

AGS, Inc.
T: (510) 251-1180 x19
F: (510) 251-1190
M: (415) 342-2515
E: dherold@agsinc.com

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186153

Sampler: D. Herold

Project No.: KF0209

Report To: D Herold dherold@ags-inc.com

Project Name: I 580/680 Pb Sampling

Company: AGS, Inc.

Project P.O.:

Telephone: (510) 251-1180 x19

Turnaround Time: Standard

Fax: (510) 251-1190

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		Analysis: Total Lead (EPA 6010)	Hold for more testing
-1	NLiv-1A	4/6/6	X				1 Tube				X		X	
-2	NLiv-2A	4/6/6	X				1				X		X	
-3	NLiv-3A		X				1				X		X	
-4	NLiv-4A		X				1				X		X	
-5	NLiv-5A		X				1				X		X	
-6	NLiv-6A		X				1				X		X	
-7	NLiv-7A		X				1				X		X	
-8	NLiv-8A		X				1				X		X	
-9	NLiv-9A		X				1				X		X	
-10	NLiv-10A		X				1				X		X	
-11	NVas-1A	4/7/6 1042	X				1 Tube				X		X	
-12	NVas-3A	" 1226	X				1 Tube				X		X	
-13	NVas-5A	" 1302	X				1 Tube				X		X	

Notes: Hold samples for additional testing. Sample from bottom of all tubes

SAMPLE RECEIPT
☐ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY: 4/12/06 DATE / TIME

DATE / TIME

DATE / TIME

RECEIVED BY: 4-12-06 4:55 p.m. DATE / TIME

DATE / TIME

DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186153

Sampler: D Herold

Project No.: KF0201

Report To: Doug Herold

Project Name: I 580/680 Pb Sampling

Company: AGS, Inc

Project P.O.:

Telephone: (510) 251-1180 x19

Turnaround Time: Standard

Fax: (510) 251-1190

Analysis: Soluble threshold Limit Concentration (Pb); DI water waste Extraction (Pb)

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE
-14	NLiv-1B	4/6/06	X			1 Tube				X
-15	NLiv-2B		X			1				X
-16	NLiv-3B		X			1				X
-17	NLiv-4B		X			1				X
-18	NLiv-5B		X			1				X
-19	NLiv-6B		X			1				X
-20	NLiv-7B		X			1				X
-21	NLiv-8B		X			1				X
-22	NLiv-9B		X			1				X
-23	NLiv-10B		X			1				X
-24	NVas-1B	4/7/06 1050	X			1 Tube				X
-25	NVas-3B	4/7/06 1235	X			1 Tube				X
-26	NVas-5B	4/7/06 1315	X			1 Tube				X

Notes:
Hold for additional Testing.
Sample from bottom of all Tubes.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☒ On Ice ☐ Ambient

Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY: [signature] 4/12/06 DATE / TIME

DATE / TIME

DATE / TIME

RECEIVED BY: [signature] 4-12-06 4:55pm. DATE / TIME

DATE / TIME

DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186153

Sampler: D. Herold

Report To: Doug Herold

Company: AGS Inc

Telephone: (510) 251-1180 x19

Fax: (510) 251-1190

Project No.: KF0269

Project Name: I 580/680 Pb Sampling

Project P.O.:

Turnaround Time: Standard

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		Analysis: Total Lead (EPA 6010)	HOLD for further testing
127	NVas-6A	4/7/06 1112	X				1				X		X	
128	NVas-7A	4/7/06 1146	X				1				X		X	
129	NVas-4A	4/10/06 1610	X				1				X		X	
130	NVas-2A	4/10/06 16	X				1				X		X	
131	NVas-8A	1421	X				1				X		X	
132	NVas-9A	1350	X				1				X		X	
133	NVas-10A	1300	X				1				X		X	
134	NVas-11A	1240	X				1				X		X	
135	NVas-12A	1522	X				1				X		X	
136	NVas-13A	1550	X				1				X		X	
137	NVas-14A	1610	X				1				X		X	

Notes:
HOLD Samples for additional Testing.
Sample from bottom of all tubes.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
4/12/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
4-12-06 4:55pm DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186153

Project No.: KF0209
Project Name: I 580/680 Pb Sampling
Project P.O.:
Turnaround Time: Standard

Sampler: D Herald
Report To: Doug Herald
Company: AGS, Inc.
Telephone: (510) 251-1180 x19
Fax: (510) 251-1190

Analysis

HOLD for Testing
Soluble Threshold Limit Conc. (Pb)
DI Water Waste Extraction (Pb)

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		HOLD for Testing	Soluble Threshold Limit Conc. (Pb)	DI Water Waste Extraction (Pb)
-38	N Vas - 6B	4/7/06 1121	Y				1 Tube				Y				
-39	N Vas - 7B	4/7/06 1159	Y				1				Y				
-40	N Vas - 2B	4/10/06 10	Y				1				Y				
-41	N Vas - 4B	1456	X				1				X				
-42	N Vas - 8B	1429	X				1				X				
-43	N Vas - 9B	1350	X				1				X				
-44	N Vas - 10B	1309	X				1				X				
-45	N Vas - 11B	1249	X				1				X				
-46	N Vas - 12B	1530	X				1				X				
-47	N Vas - 13B	1557	X				1				X				
-48	N Vas - 14B	1618	X				1				X				

Notes:
HOLD Samples for additional testing.
Sample from bottom of all tubes.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
4/12/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
4-12-06 4:55 pm DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186153

Sampler: D. Herold
Report To: Doug Herold
Company: AGS, Inc
Telephone: (510) 251-1180 X 19
Fax: (510) 251-1190

Project No.: KF0209
Project Name: I580/680 Pb Sampling
Project P.O.:
Turnaround Time: Standard

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste		# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE		Total Lead (EPA 6010)	HOLD for more testing
-49	Svas-1A	4/12/06 0838	X				1 Tube				X		X	
-50	Svas-2A	0735	X				1				X		X	
-51	Svas-3A	0754	X				1				X		X	
-52	Svas-4A	0815	X				1				X		X	
-53	Svas-5A	0913	X				1				X		X	
-54	Svas-6A	0958	X				1				X		X	
-55	Svas-7A	0932	X				1				X		X	
-56	SGRN-1A	1230	X				1				X		X	
-57	SGRN-2A	1032	X				1				X		X	
-58	SGRN-3A	1051	X				1				X		X	
-59	SGRN-4A	1158	X				1				X		X	
-60	SGRN-5A	1138	X				1				X		X	
-61	SGRN-6A	1114	X				1				X		X	

Notes:
HOLD for additional testing.
Sample all tubes from bottom.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/12/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 4-12-06 4:55p.m. DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186153

Project No.: KF0209
Project Name: I-580/680 Pb Sampling
Project P.O.:
Turnaround Time: Standard

Sampler: D. Heald
Report To: Doug Heald
Company: AGS, Inc
Telephone: (510) 251-1180 x 19
Fax: (510) 251-1190

Analysis: HOLD for additional Testing; Soluble Threshold Limit Conc. (Pb); DI water waste Extraction (Pb)

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	
-62	SVES-1B	4/12/06 0845	X				1 Tube				X	
-63	SVES-2B	0741	X				1				X	
-64	SVES-3B	0800	X				1				X	
-65	SVES-4B	0822	X				1				X	
-66	SVES-5B	0[illegible]	X				1				X	
-67	SVES-6B	1005	X				1				X	
-68	SVES-7B	07[illegible]	X				1				X	
-69	SGRN-1B	1238	X				1				X	
-70	SGRN-2B	1039	X				1				X	
-71	SGRN-3B	1058	X				1				X	
-72	SGRN-4B	1218	X				1				X	
-73	SGRN-5B	1148	X				1				X	
-74	SGRN-6B	1122	X				1				X	

Notes:
HOLD for additional Testing.
Sample all tubes from bottom

SAMPLE RECEIPT
☐ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/12/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 4-12-06 4:55 p.m. DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186153

Project No.: KF0204
Project Name: I 580/680 Pb Sampling
Project P.O.:
Turnaround Time: Standard

Sampler: D. Heald
Report To: Doug Heald
Company: AGS, Inc.
Telephone: (510) 251-1180 x19
Fax: (510) 251-1190

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		Analysis: Total Lead (EPA 6010)	HOLD for additional Testing	Soluble threshold Limit Conc. (Pb)	DI water Waste Extraction (Pb)
-75	Tesla - 1A	4/12/06 1340	X				1 Tube				X		X			
-76	Tesla - 2A	1405	X				1				X		X			
-77	Tesla - 3A	1440	X				1				X		X			
-78	Tesla - 1B	1352	X				1				X					
-79	Tesla - 2B	1413	X				1				X					
-80	Tesla - 3B	1451	X				1				X					

Notes:
HOLD samples for additional Testing
Sample all tubes from bottom.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/12/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 4-12-06 4:55pm DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request By: D.Herold Date/Time: 4/25/06 12:56 Initials: SES

____ Login Review ____ Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186153-014		NLIV-1B	Soil	Add	Pb	5/1
186153-015		NLIV-2B	Soil	Add	Pb	5/1
186153-016		NLIV-3B	Soil	Add	Pb	5/1
186153-017		NLIV-4B	Soil	Add	Pb	5/1
186153-018		NLIV-5B	Soil	Add	Pb	5/1
186153-019		NLIV-6B	Soil	Add	Pb	5/1
186153-020		NLIV-7B	Soil	Add	Pb	5/1
186153-021		NLIV-8B	Soil	Add	Pb	5/1
186153-022		NLIV-9B	Soil	Add	Pb	5/1
186153-023		NLIV-10B	Soil	Add	Pb	5/1
186153-024		NVAS-1B	Soil	Add	Pb	5/1
186153-025		NVAS-3B	Soil	Add	Pb	5/1
186153-026		NVAS-5B	Soil	Add	Pb	5/1
186153-038		NVAS-6B	Soil	Add	Pb	5/1
186153-039		NVAS-7B	Soil	Add	Pb	5/1
186153-040		NVAS-2B	Soil	Add	Pb	5/1
186153-041		NVAS-4B	Soil	Add	Pb	5/1

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request By: D.Herold Date/Time: 4/25/06 13:00 Initials: SES

Login Review Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186153-042		NVAS-8B	Soil	Add	Pb	5/1
186153-043		NVAS-9B	Soil	Add	Pb	5/1
186153-044		NVAS-10B	Soil	Add	Pb	5/1
186153-045		NVAS-11B	Soil	Add	Pb	5/1
186153-046		NVAS-12B	Soil	Add	Pb	5/1
186153-047		NVAS-13B	Soil	Add	Pb	5/1
186153-048		NVAS-14B	Soil	Add	Pb	5/1
186153-062		SVAS-1B	Soil	Add	Pb	5/1
186153-063		SVAS-2B	Soil	Add	Pb	5/1
186153-064		SVAS-3B	Soil	Add	Pb	5/1
186153-065		SVAS-4B	Soil	Add	Pb	5/1
186153-066		SVAS-5B	Soil	Add	Pb	5/1
186153-067		SVAS-6B	Soil	Add	Pb	5/1
186153-068		SVAS-7B	Soil	Add	Pb	5/1
186153-069		SGRN-1B	Soil	Add	Pb	5/1
186153-070		SGRN-2B	Soil	Add	Pb	5/1
186153-071		SGRN-3B	Soil	Add	Pb	5/1

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request By: D.Herold Date/Time: 4/25/06 13:02 Initials: SES

Login Review Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186153-072		SGRN-4B	Soil	Add	Pb	5/1
186153-073		SGRN-5B	Soil	Add	Pb	5/1
186153-074		SGRN-6B	Soil	Add	Pb	5/1
186153-078		TASK-1B	Soil	Add	Pb	5/1
186153-079		TASK-2B	Soil	Add	Pb	5/1
186153-080		TASK-3B	Soil	Add	Pb	5/1

Steven Stanley

From: "Doug Herold" <dherold@agsinc.com>
To: <steve@ctberk.com>
Sent: Monday, April 24, 2006 10:13 AM
Subject: Additional testing for I-580 samples

Steve.

Please note that I was requested to have the final reports for all the testing include the name of the project as "I-580 EB HOV TMP TOS/ITS Project" as I wrote on the final 2 CoCs Thursday and Friday oof last week. Please make this change on all the previous submissions.

My boss has requested that I request total lead testing (EPA 6010) on all the B samples. Please put this test request into tne system.
This applies to the samples listed on CoCs #186002, 186153, 186201, 186299, and the samples I brought in on Friday, 4/21, for which I have not received a lab number on.

Also, be advised that we are expected to run (or have you run) the soluble threshold limit concentration test for lead and the de-ionized water waste extraction lead test on all samples with a total lead at or above 50. Do not discard ANY samples. If your hold period for anything expires, give me a buzz, call or email, and I will come pick them up.

Thank you.

Doug Herold

AGS, Inc.
T: (510) 251-1180 x19
F: (510) 251-1190
M: (415) 342-2515
E: dherold@agsinc.com

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186291

Project No.: KF0209
Project Name:
Project P.O.:
Turnaround Time: Standard

Sampler: D Herold
Report To: Doug Herold dherold@agsinc.com
Company: AGS, Inc.
Telephone: (510) 251-1180 x19
Fax: (510) 251-1190

Analysis: Total Lead (EPA 6010); HOLD for additional Testing

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		Total Lead (EPA 6010)	HOLD for additional Testing
-1	SFir-1A	4/13/06 0957	X				1 Tube				Y		X	
-2	SFir-2A *	1112	X				1				X		X	
-3	SFir-3A	1138	X				1				X		X	
-4	SFir-4A	1158	X				1				X		X	
-5	SFir-5A	1228	X				1				X		X	
-6	SFir-6A	1250	X				1				X		X	
-7	SFir-7A	1327	X				1				X		X	
-8	SGRN-7A	1414	X				1				X		X	
-9	NGRN-1A	1451	X				1				X		X	
-10	NGRN-2A	1516**	X				1				X		X	
-11	NGRN-3A	1538	X				1				X		X	
-12	NGRN-4A	1558	X				1				X		X	
-13	NGRN-5A	1620***	X				1				X		X	

Notes:
HOLD samples for additional testing
Sample all tubes from bottom
* ID on label = NFir-2A ZHW 4-14-06
** Time on label = 1518
*** Time on label = 1420

SAMPLE RECEIPT: ☐ Intact ☐ Cold ☐ On Ice ☐ Ambient
Preservative Correct? ☐ Yes ☐ No ☐ N/A

RELINQUISHED BY: [signature] 4/14/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY: [signature] 4-14-06 4:55 pm DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186211

Project No.: KF0209
Project Name:
Project P.O.:
Turnaround Time: Standard

Sampler: D. Herold
Report To: Doug Herold
Company: ACS, Inc.
Telephone: (510) 251-1180 x 19
Fax: (510) 251-1190

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste		# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE		Analysis: Total Lead (EPA 6010)	Analysis: HOLD Samples for additional Testing
-14	NGRN-6A	4/13/06 1638	X				1 Tube				X		X	
-15	S Air-8A	4/13/06 1345	X				1				X		X	
-16	N Air-3A	4/14/06 0900	X				1				X		X	
-17	NAir-4A	0919	X				1				X		X	
-18	NAir-5A	0835	X				1				X		X	
-19	Port-9A	0943	X				1				X		X	
-20	Port-12A	1519	X				1				X		X	
-21	Port-13A	1448	X				1				X		X	
-22	Port-14A	1459	X				1				X		X	
-23	NISA-1A	1018	X				1				X		X	
-24	SISA-1A	1109	X				1				X		X	
-25	SISA-2A	1047	X				1				X		X	
-26	ALTR-1A	1150	X				1				X		X	

Notes:
HOLD samples for additional testing
Sample all tubes from bottom.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/14/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 4-14-06 4:55 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186201

Project No.: KF0209
Project Name:
Project P.O.:
Turnaround Time: Standard

Sampler: D Herald
Report To: Doug Herald
Company: AGS, Inc
Telephone: (510) 251-1180 x19
Fax: (510) 251-1190

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		Analysis: Total Lead (EPA 6010)	HOLD for additional Testing
-27	NGRN-7A	4/14/06 1352	X				1 Tube				X		X	
-28	NGRN-8A	1335	X				1				X		X	
-29	NGRN-9A	1311	X				1				X		X	
-30	NGRN-10A	1234	X				1				X		X	
-31	NGRN-11A	1210	X				1				X		X	
-32	NGRN-12A	1249	X				1				X		X	
-33	NLIV-14A	1420	X				1				X		X	

Notes:
HOLD samples for additional testing.
Sample all tubes from bottom.

SAMPLE RECEIPT
☑ Intact ☐ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/14/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 4-14-06 4:55 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186201

Project No.: KF 0209
Project Name:
Project P.O.:
Turnaround Time: Standard

Sampler: D. Herald
Report To: Doug Herald
Company: AGS, Inc
Telephone: (510) 251-1180 x 19
Fax: (510) 251-1140

Analysis: HOLD Samples for additional Testing

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE
-34	S Fir 1B	4/13/06 0904	X				1 Tube				X
-35	S Fir -2B *	1120	X				1				X
-36	S Fir -3B	1147	X				1				X
-37	S Fir -4B	1205	X				1				X
-38	S Fir -5B	1238	X				1				X
-39	S Fir -6B	1259	X				1				X
-40	S Fir -7B	1332	X				1				X
-41	S Fir -8B	1353	X				1				X
-42	S GRN -1B	1425	X				1				X
-43	N GRN -1B	1458	X				1				X
-44	N GRN -2B	1524	X				1				X
-45	N GRN -3B **	1545	X				1				X
-46	N GRN -4B	1605	X				1				X

Notes:
HOLD Samples for additional testing
Sample all tubes from bottom.
* ID on label = N Fir -2B
** ↓ ↓ ↓ ↓ N GRN -3A

SAMPLE RECEIPT
☒ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

JGW 4-14-06
SIGNATURE

RELINQUISHED BY:
4/14/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
4-14-06 4:55 DATE / TIME
DATE / TIME
DATE / TIME

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 136261

Project No.: KF0209
Project Name:
Project P.O.:
Turnaround Time: Standard

Sampler: D. Herald
Report To: Doug Herald
Company: AGS, Inc
Telephone: (510) 251-1150 x19
Fax: (510) 251-1190

Analysis: HOLD Samples for additional Testing

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	
-47	NGRN - 5B	4/13/06 1627*	X				1 Tube				X	
-48	NGRN - 6B	4/13/06 1645	X				1				X	
-49	NAir - 3B	4/14/06 0908	X				1				X	
-50	NAir - 4B	0927	X				1				X	
-51	NAir - 5B	0842	X				1				X	
-52	Perf - 9B	0951	X				1				X	
-53	Perf - 12B	1528	X				1				X	
-54	Perf - 13B	1455	X				1				X	
-55	Perf - 14B	1505	X				1				X	
-56	NISA - 1B	1026	X				1				X	
-57	SISA - 1B	1114	X				1				X	
-58	SISA - 2B	1053	X				1				X	
-59	ALTR - 1B	1158	X				1				X	

Notes:
HOLD Samples for additional Testing.
Sample all tubes from bottom.
* Time on label = 1427 JMW 4-14-06

SAMPLE RECEIPT
☐ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY: [signature] 4/14/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY: [signature] 4-14-06 9:55 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 18621

Sampler: D. Herold

Project No.: KF0209

Report To: Doug Herold

Project Name:

Company:

Project P.O.:

Telephone: (510) 251-1180 x19

Turnaround Time: Standard

Fax: (510) 251-1190

Analysis: HOLD for additional Testing

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	
-60	NGRN - 7B	4/14/06 1359	X				1 Tube				X	
-61	NGRN - 8B	1343	X				1				X	
-62	NGRN - 9B	1320	X				1				X	
-63	NGRN - 10B	* 1242	X				1				X	
-64	NGRN - 11B	1218	X				1				X	
-65	NGRN - 12B	1259	X				1				X	
-66	NLIV - 14B	1431	X				1				X	

Notes:
HOLD for additional Testing.
Sample all tubes from bottom.
* Time on label = 1241 JGW 4-14-06

SAMPLE RECEIPT
☒ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
4/14/06 DATE / TIME
DATE / TIME
DATE / TIME
SIGNATURE

RECEIVED BY:
4-14-06 4:55 DATE / TIME
DATE / TIME
DATE / TIME

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request By: D. Herold Date/Time: 4/25/06 13:40 Initials: SES

Login Review Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186201-034		SFIR-1B	Soil	Add	Pb	5/1
186201-035		SFIR-2B	Soil	Add	Pb	5/1
186201-036		SFIR-3B	Soil	Add	Pb	5/1
186201-037		SFIR-4B	Soil	Add	Pb	5/1
186201-038		SFIR-5B	Soil	Add	Pb	5/1
186201-039		SFIR-6B	Soil	Add	Pb	5/1
186201-040		SFIR-7B	Soil	Add	Pb	5/1
186201-041		SFIR-8B	Soil	Add	Pb	5/1
186201-042		SGRN-7B	Soil	Add	Pb	5/1
186201-043		NGRN-1B	Soil	Add	Pb	5/1
186201-044		NGRN-2B	Soil	Add	Pb	5/1
186201-045		NGRN-3B	Soil	Add	Pb	5/1
186201-046		NGRN-4B	Soil	Add	Pb	5/1
186201-047		NGRN-5B	Soil	Add	Pb	5/1
186201-048		NGRN-6B	Soil	Add	Pb	5/1
186201-049		NAIR-3B	Soil	Add	Pb	5/1
186201-050		NAIR-4B	Soil	Add	Pb	5/1

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request By: D. Herold Date/Time: 4/25/06 13:42 Initials: SES
Login Review Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186201-051		NAIR-5B	Soil	Add	Pb	5/1
186201-052		PORT-9B	Soil	Add	Pb	5/1
186201-053		PORT-12B	Soil	Add	Pb	5/1
186201-054		PORT-13B	Soil	Add	Pb	5/1
186201-055		PORT-14B	Soil	Add	Pb	5/1
186201-056		NISA-1B	Soil	Add	Pb	5/1
186201-057		SISA-1B	Soil	Add	Pb	5/1
186201-058		SISA-2B	Soil	Add	Pb	5/1
186201-059		ALTR-1B	Soil	Add	Pb	5/1
186201-060		NGRN-7B	Soil	Add	Pb	5/1
186201-061		NGRN-8B	Soil	Add	Pb	5/1
186201-062		NGRN-9B	Soil	Add	Pb	5/1
186201-063		NGRN-10B	Soil	Add	Pb	5/1
186201-064		NGRN-11B	Soil	Add	Pb	5/1
186201-065		NGRN-12B	Soil	Add	Pb	5/1
186201-066		NLIV-14B	Soil	Add	Pb	5/1

Steven Stanley

From: "Doug Herold" <dherold@agsinc.com>
To: <steve@ctberk.com>
Sent: Monday, April 24, 2006 10:13 AM
Subject: Additional testing for I-580 samples

Steve.

Please note that I was requested to have the final reports for all the testing include the name of the project as "I-580 EB HOV TMP TOS/ITS Project" as I wrote on the final 2 CoCs Thursday and Friday oof last week. Please make this change on all the previous submissions.

My boss has requested that I request total lead testing (EPA 6010) on all the B samples. Please put this test request into the system.
This applies to the samples listed on CoCs #186002, 186153, 186201, 186299, and the samples I brought in on Friday, 4/21, for which I have not received a lab number on.

Also, be advised that we are expected to run (or have you run) the soluble threshold limit concentration test for lead and the de-ionized water waste extraction lead test on all samples with a total lead at or above 50. Do not discard ANY samples. If your hold period for anything expires, give me a buzz, call or email, and I will come pick them up.

Thank you.

Doug Herold

AGS, Inc.
T: (510) 251-1180 x19
F: (510) 251-1190
M: (415) 342-2515
E: dherold@agsinc.com

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

Page ___ of 10

C & T LOGIN #: 186299

Sampler: [illegible]

Project No.: [illegible]

Report To: [illegible]

Project Name: [illegible]

Company: [illegible]

Project P.O.:

Telephone: [illegible]

Turnaround Time: Standard

Fax: [illegible]

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	Total [illegible]	Hold for Additional [illegible]
-14	NA[illegible]-12A	4/18/06 [illegible]	X			1 [illegible]				X	X	
-15	Port-15A	[illegible] 1436	X			1				X	X	
-16	Port-16A	1437	X			1				X	X	
-17	Port-17A	1450	X			1				X	X	
-18	Port-18A	* 1527	X			1				X	X	
-19	Port-19A	** 1537	X			1				X	X	
-20	Port-20A	1557	X			1				X	X	
-21	NA[illegible]-1A	*** 1623	X			1				X	X	
-22	NA[illegible]-2A	**** 1639	X			1				X	X	
-23	Foot-1A	4/18/06 0814	X			1				X	X	
-24	Foot-2A	0842	X			1				X	X	
-25	Foot-3A	0918	X			1				X	X	
-26	Foot-4A	0946	X			1				X	X	

Notes:

HOLD for additional testing.

Sample all tubes from bottom.

* Label = 1527
** 1537
*** 1639
**** 1623

JGW 4-20-06
SIGNATURE

SAMPLE RECEIPT
☑ Intact ☐ Cold
☑ On Ice ☐ Ambient

Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:

[illegible] 4/20/06
DATE / TIME

DATE / TIME

DATE / TIME

RECEIVED BY:

[illegible] 4-20-06 10:30
DATE / TIME

DATE / TIME

DATE / TIME

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186299

Sampler:

Project No.:

Report To:

Project Name:

Company:

Project P.O.:

Telephone:

Turnaround Time:

Fax:

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste		# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE		Total Lead (EPA 6010) HOLD for additional testing
-27	Int-5A	4/19/06 1322	X				1 Tube				X		X
-28	Int-6A	1057	X				1				X		X
-29	Int-1A	1155	X				1				X		X
-30	Int-2A	1200	X				1				X		X
-31	Int-3A	1224	X				1				X		X
-32	Int-4A	1246	X				1				X		X
-33	Int-2A	1306	X				1				X		X
-34	Int-3A	1320	X				1				X		X
-35	Int-4A	1552	X				1				X		X
-36	Int-5A	1618	X				1				X		X
-37	Int-6A	1640	X				1				X		X
-38	Int-7A	1651	X				1				X		X
-39	Int-1A	4/19/06 1521	X				1				X		X

Notes:
HOLD for additional testing.
Sample all tubes from bottom.

SAMPLE RECEIPT
☑ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
4/20/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
Lavanna Curtis 4-20-06 10:30 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 180419

Project No.: KF0209
Project Name: I-580
Project P.O.:
Turnaround Time: standard

Sampler: D. Herold
Report To: Doug Herold
Company: AGS, Inc.
Telephone: (510) 251-1180 x 19
Fax: (510) 251-1190

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	Total Lead (EPA 6010) HOLD for additional Testing
-40	Int - 8A	4/19/06 0824	X			1 Tube				X	X
-41	Hop - 1A	0850	X			1				X	X
-42	Hop - 2A	0924	X			1				X	X
-43	Hop - 3A	0948	X			1				X	X
-44	Hop - 4A	1004	X			1				X	X
-45	Hop - 5A	1023	X			1				X	X
-46	Hop - 6A	1047	X			1				X	X
-47	Hop - 7A	1154	X			1				X	X
-48	TASS - 1A	1100	X			1				X	X
-49	FALL - 1A	1257	X			1				X	X
-50	FALL - 2A	1300	X			1				X	X
-51	FALL - 3A	1328	X			1				X	X
-52	FALL - 4A	1347	X			1				X	X

Notes:
HOLD for additional testing.
Sample all tubes from bottom.

SAMPLE RECEIPT
☑ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:	RECEIVED BY:
[signature] 4/20/06 DATE / TIME	[signature] 4.20.06 10:30 DATE / TIME
DATE / TIME	DATE / TIME
DATE / TIME	DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186.299

Project No.: KF 0209
Project Name: I-580
Project P.O.:
Turnaround Time: Standard

Sampler: D. Herold
Report To: Doug Herold
Company: AGS, Inc.
Telephone: (510) 251-1180 X19
Fax: (510) 251-1190

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste		# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE		Total Lead (EPA 6010) HOLD for additional Testing
-53	Fall - 5A	4/19/06 1412	X				1 Tube				X		
-54	Sher - 1A	1615	X				1				X		
-55	Sher - 2A	1632	X				1				X		
-56	Sher - 3A	1653	X				1				X		

Notes:
HOLD all samples for additional testing.
Sample all tubes from bottom.

SAMPLE RECEIPT
☒ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/20/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 4-20-06 10:30 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 136299

Sampler: [illegible] Harold

Project No.: KF0209

Report To: [illegible] Harold

Project Name: [illegible]

Company: [illegible]

Project P.O.:

Telephone: (510) 25[illegible]

Turnaround Time: [illegible]

Fax: (510) [illegible]

Analysis

HOLD for Additional Testing

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste		# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	
-57	NFir-1B	4/17/06 1013	X				1 Tube				X	
-58	NFir-2B	1028	X				1				X	
-59	NFir-3B	0954	X				1				X	
-60	NFir-4B	* 0940	X				1				X	
-61	NFir-5B	0910	X				1				X	
-62	NFir-6B	1052	X				1				X	
-63	NFir-7B	1103	X				1				X	
-64	NFir-8B	1128	X				1				X	
-65	NFir-9B	1150	X				1				X	
-66	NFir-10B	1207	X				1				X	
-67	NFir-11B	1227	X				1				X	
-68	NLiv-11B	1256	X				1				X	
-69	NLiv-12B	1336	X				1				X	

Notes:
HOLD for Additional Testing
Sample from BOTTOM of all tubes.
* Label = 0930 [illegible] 4-20-06

SAMPLE RECEIPT
☒ Intact ☐ Cold
☒ On Ice ☐ Ambient

Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/20/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 4-20-06 10:30 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186787

Sampler: [illegible]

Project No.: RF0209

Report To: Wong Harold

Project Name: L-SBA

Company: ACS, Inc.

Project P.O.:

Telephone: (510) 251-1130 x 19

Turnaround Time: Standard

Fax: (510) 251-[illegible]

Analysis: Hold for additional tests

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	
-70	NLIV-1CE	4/12/06 1315	X				1 Tube				X	
-71	Port-15B *	1424	X				1				X	
-72	Port-16B	1433	X				1				X	
-73	Port-17B **	1454	X				1				X	
-74	Port-18B	1530	X				1				X	
-75	Port-19B	1544	X				1				X	
-76	Port-20B	1607	X				1				X	
-77	NAIR-1B	1650	X				1				X	
-78	NAIR-2B	1630	X				1				X	
-79	Foot-1B	4/18/06 0820	X				1				X	
-80	Foot-2B	0850	X				1				X	
-81	Foot-3B	0925	X				1				X	
-82	Foot-4B	0957	X				1				X	

Notes:
HOLD for additional Tests.
Sample all tubes from bottom.
* Label = Port-15A (id by time)
** Port-17A

SAMPLE RECEIPT: ☐ Intact ☐ Cold ☐ On Ice ☐ Ambient
Preservative Correct? ☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/20/06 DATE / TIME
DATE / TIME
DATE / TIME
SIGNATURE JHU 4-20-06

RECEIVED BY:
[signature] 4-20-06 10:30 DATE / TIME
DATE / TIME
DATE / TIME

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186-249

Project No.: KF0249
Project Name: I-580
Project P.O.:
Turnaround Time: Standard

Sampler: D. Herald
Report To: Doug Herald
Company: ACS Inc.
Telephone: (510) 251-1180 x19
Fax: (510) 251-1190

Analysis: HOLD for further testing

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE
-83	Foot-5B	4/18/06 1030	X				1 Tube				X
-84	Foot-6B	1105	X				1				X
-85	Foot-7B	1144	X				1				X
-86	Foot-8B	1210	X				1				X
-87	Foot-9B	1230	X				1				X
-88	SRam-1B	1250	X				1				X
-89	Int-2B	1314	X				1				X
-90	Int-3B	* 1530	X				1				X
-91	Int-4B	1600	X				1				X
-92	Int-5B	1624	X				1				X
-93	Int-6B	1648	X				1				X
-94	Int-7B	1659	X				1				X
-95	Int-1B	4/19/06 1530	X				1				X

Notes:
HOLD for additional testing.
Sample all tubes from bottom.
* Label = 1520 JAW 4-20-06

SAMPLE RECEIPT: ☑ Intact ☐ Cold ☑ On Ice ☐ Ambient
Preservative Correct? ☐ Yes ☐ No ☐ N/A

RELINQUISHED BY: 4/20/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY: 4-20-06 10:50 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 106299

Sampler: D Herold

Project No.: KF0209

Report To: Doug Herold

Project Name: I-580

Company: AGS, Inc.

Project P.O.:

Telephone: (510) 251-1180 X19

Turnaround Time: Standard

Fax: (510) 251-1190

Analysis: HOLD samples for additional Testing

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	
-96	Int-8B	4/19/06 0830	X				1 Tube				X	
-97	Hop-1B	0857	X				1				X	
-98	Hop-2B	0931	X				1				X	
-99	Hop-3B	0954	X				1				X	
-100	Hop-4B	1011	X				1				X	
-101	Hop-5B	1029	X				1				X	
-102	Hop-6B	1052	X				1				X	
-103	Hop-7B	1503	X				1				X	
-104	Tass-1B	1109	X				1				X	
-105	Fall-1B	1144	X				1				X	
-106	Fall-2B	1312	X				1				X	
-107	Fall-3B	1337	X				1				X	
-108	Fall-4B	1358	X				1				X	

Notes:
HOLD all samples for additional testing
Sample all tubes from bottom.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/20/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 4-20-06 10:30 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #:

Sampler: D. Herold

Project No.: KF0204

Report To: Doug Herold

Project Name: I-580

Company: AGS, Inc.

Project P.O.:

Telephone: (510) 251-1180 x19

Turnaround Time: Standard

Fax: (510) 251-1190

Analysis: HOLD samples for additional Testing

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	
-109	Fall-5B	4/19/06 1719	X				1 Tube				X	
-110	Sher-1B	1625	X				1				X	
-111	Sher-2B	1642	X				1				X	
-112	Sher-3B	1700	X				1				X	

Notes:
HOLD all Tubes for additional testing.
Sample all tubes from bottom.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
4/20/06 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
4-20-06 10:30 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request By: D.Herold Date/Time: 4/25/06 17:19 Initials: SES

Login Review Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186299-057		NFIR-1B	Soil	Add	Pb	5/1
186299-058		NFIR-2B	Soil	Add	Pb	5/1
186299-059		NFIR-3B	Soil	Add	Pb	5/1
186299-060		NFIR-4B	Soil	Add	Pb	5/1
186299-061		NFIR-5B	Soil	Add	Pb	5/1
186299-062		NFIR-6B	Soil	Add	Pb	5/1
186299-063		NFIR-7B	Soil	Add	Pb	5/1
186299-064		NFIR-8B	Soil	Add	Pb	5/1
186299-065		NFIR-9B	Soil	Add	Pb	5/1
186299-066		NFIR-10B	Soil	Add	Pb	5/1
186299-067		NFIR-11B	Soil	Add	Pb	5/1
186299-068		NLIV-11B	Soil	Add	Pb	5/1
186299-069		NLIV-12B	Soil	Add	Pb	5/1
186299-070		NLIV-13B	Soil	Add	Pb	5/1
186299-071		PORT-15B	Soil	Add	Pb	5/1
186299-072		PORT-16B	Soil	Add	Pb	5/1
186299-073		PORT-17B	Soil	Add	Pb	5/1

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request By: D.Herold Date/Time: 4/25/06 17:22 Initials: SES

Login Review Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186299-074		PORT-18B	Soil	Add	Pb	5/1
186299-075		PORT-19B	Soil	Add	Pb	5/1
186299-076		PORT-20B	Soil	Add	Pb	5/1
186299-077		NAIR-1B	Soil	Add	Pb	5/1
186299-078		NAIR-2B	Soil	Add	Pb	5/1
186299-079		FOOT-1B	Soil	Add	Pb	5/1
186299-080		FOOT-2B	Soil	Add	Pb	5/1
186299-081		FOOT-3B	Soil	Add	Pb	5/1
186299-082		FOOT-4B	Soil	Add	Pb	5/1
186299-083		FOOT-5B	Soil	Add	Pb	5/1
186299-084		FOOT-6B	Soil	Add	Pb	5/1
186299-085		FOOT-7B	Soil	Add	Pb	5/1
186299-086		FOOT-8B	Soil	Add	Pb	5/1
186299-087		FOOT-9B	Soil	Add	Pb	5/1
186299-088		SRAM-1B	Soil	Add	Pb	5/1
186299-089		INT-2B	Soil	Add	Pb	5/1
186299-090		INT-3B	Soil	Add	Pb	5/1

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request By: D.Herold Date/Time: 4/25/06 17:24 Initials: SES

Login Review Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186299-091		INT-4B	Soil	Add	Pb	5/1
186299-092		INT-5B	Soil	Add	Pb	5/1
186299-093		INT-6B	Soil	Add	Pb	5/1
186299-094		INT-7B	Soil	Add	Pb	5/1
186299-095		INT-1B	Soil	Add	Pb	5/1
186299-096		INT-8B	Soil	Add	Pb	5/1
186299-097		HOP-1B	Soil	Add	Pb	5/1
186299-098		HOP-2B	Soil	Add	Pb	5/1
186299-099		HOP-3B	Soil	Add	Pb	5/1
186299-100		HOP-4B	Soil	Add	Pb	5/1
186299-101		HOP-5B	Soil	Add	Pb	5/1
186299-102		HOP-6B	Soil	Add	Pb	5/1
186299-103		HOP-7B	Soil	Add	Pb	5/1
186299-104		TASS-1B	Soil	Add	Pb	5/1
186299-105		FALL-1B	Soil	Add	Pb	5/1
186299-106		FALL-2B	Soil	Add	Pb	5/1
186299-107		FALL-3B	Soil	Add	Pb	5/1

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request By: D.Herold Date/Time: 4/25/06 17:25 Initials: SES

Login Review Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186299-108		FALL-4B	Soil	Add	Pb	5/1
186299-109		FALL-5B	Soil	Add	Pb	5/1
186299-110		SHER-1B	Soil	Add	Pb	5/1
186299-111		SHER-2B	Soil	Add	Pb	5/1
186299-112		SHER-3B	Soil	Add	Pb	5/1

Steven Stanley

From: "Doug Herold" <dherold@agsinc.com>
To: <steve@ctberk.com>
Sent: Monday, April 24, 2006 10:13 AM
Subject: Additional testing for I-580 samples

Steve,

Please note that I was requested to have the final reports for all the testing include the name of the project as "I-580 EB HOV TMP TOS/ITS Project" as I wrote on the final 2 CoCs Thursday and Friday oof last week. Please make this change on all the previous submissions.

My boss has requested that I request total lead testing (EPA 6010) on all the B samples. Please put this test request into the system.
This applies to the samples listed on CoCs #186002, 186153, 186201, 186299, and the samples I brought in on Friday, 4/21, for which I have not received a lab number on.

Also, be advised that we are expected to run (or have you run) the soluble threshold limit concentration test for lead and the de-ionized water waste extraction lead test on all samples with a total lead at or above 50. Do not discard ANY samples. If your hold period for anything expires, give me a buzz, call or email, and I will come pick them up.

Thank you.

Doug Herold

AGS, Inc.
T: (510) 251-1180 x19
F: (510) 251-1190
M: (415) 342-2515
E: dherold@agsinc.com

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186299

Sampler: [illegible]

Project No.: [illegible]

Report To: [illegible] (dherold@aysinc.com)

Project Name: [illegible]

Company: [illegible]

Project P.O.:

Telephone: (510) [illegible]

Turnaround Time: [illegible]

Fax: [illegible]

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste		# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE		Total Lead (TPA [illegible])	HOLD [illegible]
-1	NF[illegible]-1A	4/17/06 1004	X				1 Tube				X		X	
-2	NF[illegible]-2A	1021	X				1				X		X	
-3	NF[illegible]-3A	0940	X				1				X		X	
-4	NF[illegible]-4A	0930	X				1				X		X	
-5	NF[illegible]-5A	0905	X				1				X		X	
-6	NF[illegible]-6A	1045	X				1				X		X	
-7	NF[illegible]-7A	1058	X				1				X		X	
-8	NF[illegible]-8A	1121	X				1				X		X	
-9	NF[illegible]-9A	1143	X				1				X		X	
-10	NF[illegible]-10A	1200	X				1				X		X	
-11	NF[illegible]-11A	1220	X				1				X		X	
-12	NLiv-11A	1250	X				1				X		X	
-13	NLiv-12A	1300	X				1				X		X	

Notes:
HOLD for additional testing.
Sample from Bottom of tubes.

SAMPLE RECEIPT
☒ Intact ☐ Cold
☒ On Ice ☐ Ambient

Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:

[signature] 4/20/06 DATE / TIME

DATE / TIME

DATE / TIME

RECEIVED BY:

Lavanna Cortis 4/20/06 10:30 DATE / TIME

DATE / TIME

DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 146315

Sampler: P. Hanna

Report To: Doug Heald dheald@aes...

Company: AES, Inc.

Telephone: (510) 251-1160x19

Fax: (510) 251-4110

Project No.:

Project Name: 1-530 EB HOV TMP TOS/IT. project

Project P.O.:

Turnaround Time: Standard

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	Analysis: Total Lead (EPA Conc.)	Analysis: HOLD for additional Testing
-1	AND - 1A	4/20/06 1205	X			1 Tube				X	X	
-2	AND - 2A	1147	X			1				X	X	
-3	SUN - 1A	1304	X			1				X	X	
-4	SUN - 2A	1321	X			1				X	X	
-5	SUN - 3A	1344	X			1				X	X	
-6	SUN - 4A	1410	X			1				X	X	
-7	SUN - 5A	1750	X			1				X	X	
-8	ALCO - 1A	1610	X			1				X	X	
-9	ALCO - 2A	1714	X			1				X	X	
-10	ALCO - 3A	1641	X			1				X	X	

Notes:
HOLD for additional Testing.
Sample from bottom of all tubes.

SAMPLE RECEIPT
☑ Intact ☑ Cold
☐ On Ice ☐ Ambient

Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:

[signature] 4/20 0930
DATE / TIME

DATE / TIME

DATE / TIME

RECEIVED BY:

[signature] 4-21-06 9:30
DATE / TIME

DATE / TIME

DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

Page ____ of ____

C & T LOGIN #: 186315

Sampler: [illegible]

Project No.: [illegible]

Report To: [illegible]

Project Name: [illegible] Project

Company: [illegible]

Project P.O.:

Telephone: (510) 251-1180 x19

Turnaround Time: [illegible]

Fax: (510) 251-1190

Analysis

HOLD for additional testing

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste		# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	
-11	AND - 1B	4/20/06 1210	X				1 Tube				X	
-12	AND - 2B	1[illegible]	X				1				X	
-13	SUN - 1B	1310	X				1				X	
-14	SUN - 2B	1328	X				1				X	
-15	SUN - 3B	1352	X				1				X	
-16	SUN - 4B	1430	X				1				X	
-17	ALCO - 1B	1622 ~~[illegible]~~	X				1				X	
-18	ALCO - 2B	1722	X				1				X	
-19	ALCO - 3B	1659	X				1				X	
-20	SUN 5B	1757	X				1				X	

Notes:
HOLD for additional testing
Sample from bottom of all tubes.

SAMPLE RECEIPT
☑ Intact ☑ Cold
☐ On Ice ☐ Ambient

Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:

[signature] 4/21/06 0930
DATE / TIME

DATE / TIME

DATE / TIME

RECEIVED BY:

[signature] 4-21-06 09:30
DATE / TIME

DATE / TIME

DATE / TIME

SIGNATURE

Steven Stanley

From: "Doug Herold" <dherold@agsinc.com>
To: <steve@ctberk.com>
Sent: Monday, April 24, 2006 10:13 AM
Subject: Additional testing for I-580 samples

Steve,

Please note that I was requested to have the final reports for all the testing include the name of the project as "I-580 EB HOV TMP TOS/ITS Project" as I wrote on the final 2 CoCs Thursday and Friday oof last week. Please make this change on all the previous submissions.

My boss has requested that I request total lead testing (EPA 6010) on all the B samples. Please put this test request into the system.
This applies to the samples listed on CoCs #186002, 186153, 186201, 186299, and the samples I brought in on Friday, 4/21, for which I have not received a lab number on.

Also, be advised that we are expected to run (or have you run) the soluble threshold limit concentration test for lead and the de-ionized water waste extraction lead test on all samples with a total lead at or above 50. Do not discard ANY samples. If your hold period for anything expires, give me a buzz, call or email, and I will come pick them up.

Thank you.

Doug Herold

AGS, Inc.
T: (510) 251-1180 x19
F: (510) 251-1190
M: (415) 342-2515
E: dherold@agsinc.com

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request By: D. Herold Date/Time: 4/25/06 11:39 Initials: SES

Login Review Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186315-011		AND-1B	Soil	Add	PB	5/1
186315-012		AND-2B	Soil	Add	PB	5/1
186315-013		SUN-1B	Soil	Add	PB	5/1
186315-014		SUN-2B	Soil	Add	PB	5/1
186315-015		SUN-3B	Soil	Add	PB	5/1
186315-016		SUN-4B	Soil	Add	PB	5/1
186315-017		ALCO-1B	Soil	Add	PB	5/1
186315-018		ALCO-2B	Soil	Add	PB	5/1
186315-019		ALCO-3B	Soil	Add	PB	5/1
186315-020		SUN-5B	Soil	Add	PB	5/1

Curtis & Tompkins, Ltd.

Lead

Lab #:	186485	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	WET
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	10.00
Matrix:	WET Leachate	Prepared:	05/05/06
Units:	ug/L	Analyzed:	05/05/06

Field ID	Type	Lab ID	Result	RL	Batch#	Sampled	Received
PORT-1A	SAMPLE	186485-001	2,400	150	113107	04/05/06	04/05/06
PORT-2A	SAMPLE	186485-002	14,000	150	113107	04/05/06	04/05/06
PORT-3A	SAMPLE	186485-003	990	150	113107	04/05/06	04/05/06
PORT-4A	SAMPLE	186485-004	15,000	150	113107	04/05/06	04/05/06
PORT-5A	SAMPLE	186485-005	2,300	150	113107	04/05/06	04/05/06
PORT-6A	SAMPLE	186485-006	12,000	150	113107	04/05/06	04/05/06
PORT-7A	SAMPLE	186485-007	21,000	150	113107	04/05/06	04/05/06
PORT-8A	SAMPLE	186485-008	21,000	150	113107	04/05/06	04/05/06
PORT-10A	SAMPLE	186485-009	90,000	150	113107	04/05/06	04/05/06
PORT-11A	SAMPLE	186485-010	3,900	150	113107	04/05/06	04/05/06
NVAS-1A	SAMPLE	186485-011	1,900	150	113107	04/07/06	04/12/06
SVAS-5A	SAMPLE	186485-012	1,400	150	113107	04/12/06	04/12/06
NGRN-3A	SAMPLE	186485-013	30,000	150	113107	04/13/06	04/14/06
NGRN-4A	SAMPLE	186485-014	80,000	150	113107	04/13/06	04/14/06
NGRN-5A	SAMPLE	186485-015	15,000	150	113107	04/13/06	04/14/06
NGRN-8A	SAMPLE	186485-016	1,300	150	113107	04/14/06	04/14/06
NFIR-9A	SAMPLE	186485-017	9,700	150	113107	04/17/06	04/20/06
NFIR-10A	SAMPLE	186485-018	19,000	150	113107	04/17/06	04/20/06
NFIR-11A	SAMPLE	186485-019	5,600	150	113107	04/17/06	04/20/06
PORT-16A	SAMPLE	186485-020	3,600	150	113107	04/17/06	04/20/06
PORT-19A	SAMPLE	186485-021	6,900	150	113093	04/17/06	04/20/06
HOP-7A	SAMPLE	186485-022	1,100	150	113093	04/19/06	04/20/06
AND-1A	SAMPLE	186485-023	14,000	150	113093	04/20/06	04/21/06
SUN-3A	SAMPLE	186485-024	2,000	150	113093	04/20/06	04/21/06
ALCO-1A	SAMPLE	186485-025	2,600	150	113093	04/20/06	04/21/06
ALCO-2A	SAMPLE	186485-026	6,200	150	113093	04/20/06	04/21/06
ALCO-3A	SAMPLE	186485-027	20,000	150	113093	04/20/06	04/21/06
	BLANK	QC338629	ND	150	113093		
	BLANK	QC338696	ND	150	113107		

ND= Not Detected
RL= Reporting Limit

4.0

Batch QC Report

Lead

Lab #:	186485	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	WET
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Prepared:	05/05/06
Matrix:	WET Leachate	Analyzed:	05/05/06
Units:	ug/L		

Field ID	Type	MSS Lab ID	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim	Diln Fac	Batch#	Sampled	Received
	BS		QC338630		2,000	1,881		94	80-120			1.000	113093		
	BSD		QC338631		2,000	1,904		95	80-120	1	20	1.000	113093		
ZZZZZZZZZZ	SDUP	186470-001	QC338632	6,379		6,137	150.0			4	20	10.00	113093	04/07/06	04/10/06
ZZZZZZZZZZ	SSPIKE	186470-001	QC338633	6,379	10,000	16,310		99	70-120			10.00	113093	04/07/06	04/10/06
	BS		QC338697		2,000	1,949		97	80-120			1.000	113107		
	BSD		QC338698		2,000	1,810		91	80-120	7	20	1.000	113107		
PORT-1A	SDUP	186485-001	QC338699	2,387		2,478	150.0			4	20	10.00	113107	04/05/06	04/05/06
PORT-1A	SSPIKE	186485-001	QC338700	2,387	10,000	12,070		97	70-120			10.00	113107	04/05/06	04/05/06

RL= Reporting Limit
RPD= Relative Percent Difference

5.0

Curtis & Tompkins, Ltd.

Curtis & Tompkins, Ltd.

Lead

Lab #:	186485	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	WET DI
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Units:	ug/L
Matrix:	WET DI Leachate	Diln Fac:	1.000

Field ID	Type	Lab ID	Result	RL	Batch#	Sampled	Received	Prepared	Analyzed
PORT-1A	SAMPLE	186485-001	140	3.0	113066	04/05/06	04/05/06	05/04/06	05/04/06
PORT-2A	SAMPLE	186485-002	ND	3.0	113066	04/05/06	04/05/06	05/04/06	05/04/06
PORT-3A	SAMPLE	186485-003	ND	3.0	113066	04/05/06	04/05/06	05/04/06	05/04/06
PORT-4A	SAMPLE	186485-004	13 b	3.0	113066	04/05/06	04/05/06	05/04/06	05/04/06
PORT-5A	SAMPLE	186485-005	4.9 b	3.0	113066	04/05/06	04/05/06	05/04/06	05/04/06
PORT-6A	SAMPLE	186485-006	3.9 b	3.0	113066	04/05/06	04/05/06	05/04/06	05/04/06
PORT-7A	SAMPLE	186485-007	7.1 b	3.0	113066	04/05/06	04/05/06	05/04/06	05/04/06
PORT-8A	SAMPLE	186485-008	44 b	3.0	113066	04/05/06	04/05/06	05/04/06	05/04/06
PORT-10A	SAMPLE	186485-009	ND	3.0	113066	04/05/06	04/05/06	05/04/06	05/04/06
PORT-11A	SAMPLE	186485-010	54 b	3.0	113066	04/05/06	04/05/06	05/04/06	05/04/06
NVAS-1A	SAMPLE	186485-011	ND	3.0	113066	04/07/06	04/12/06	05/04/06	05/04/06
SVAS-5A	SAMPLE	186485-012	4.2 b	3.0	113066	04/12/06	04/12/06	05/04/06	05/04/06
NGRN-3A	SAMPLE	186485-013	ND	3.0	113066	04/13/06	04/14/06	05/04/06	05/04/06
NGRN-4A	SAMPLE	186485-014	160	3.0	113066	04/13/06	04/14/06	05/04/06	05/04/06
NGRN-5A	SAMPLE	186485-015	22 b	3.0	113066	04/13/06	04/14/06	05/04/06	05/04/06
NGRN-8A	SAMPLE	186485-016	ND	3.0	113066	04/14/06	04/14/06	05/04/06	05/04/06
NFIR-9A	SAMPLE	186485-017	ND	3.0	113066	04/17/06	04/20/06	05/04/06	05/04/06
NFIR-10A	SAMPLE	186485-018	22 b	3.0	113066	04/17/06	04/20/06	05/04/06	05/04/06
NFIR-11A	SAMPLE	186485-019	ND	3.0	113066	04/17/06	04/20/06	05/04/06	05/04/06
PORT-16A	SAMPLE	186485-020	6.3 b	3.0	113066	04/17/06	04/20/06	05/04/06	05/04/06
PORT-19A	SAMPLE	186485-021	ND	3.0	113067	04/17/06	04/20/06	05/04/06	05/04/06
HOP-7A	SAMPLE	186485-022	3.7	3.0	113095	04/19/06	04/20/06	05/05/06	05/05/06
AND-1A	SAMPLE	186485-023	4.7	3.0	113067	04/20/06	04/21/06	05/04/06	05/04/06
SUN-3A	SAMPLE	186485-024	ND	3.0	113067	04/20/06	04/21/06	05/04/06	05/04/06
ALCO-1A	SAMPLE	186485-025	3.3	3.0	113067	04/20/06	04/21/06	05/04/06	05/04/06
ALCO-2A	SAMPLE	186485-026	23	3.0	113067	04/20/06	04/21/06	05/04/06	05/04/06
ALCO-3A	SAMPLE	186485-027	73	3.0	113067	04/20/06	04/21/06	05/04/06	05/04/06
	BLANK	QC338527	5.9	3.0	113066			05/04/06	05/04/06
	BLANK	QC338532	ND	3.0	113067			05/04/06	05/04/06
	BLANK	QC338637	ND	3.0	113095			05/05/06	05/05/06

b= See narrative
D= Not Detected
L= Reporting Limit

Batch QC Report

Lead

Lab #:	186485	Location:	I-580 EB HOV TMP TOS/
Client:	AGS, Inc.	Prep:	WET DI
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Units:	ug/L
Matrix:	WET DI Leachate	Diln Fac:	1.000

Field ID	Type	MSS Lab ID	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim	Batch#	Sampled	Received	Prepared	Analyzed
	BS		QC338528		2,000	1,949		97	80-120			113066			05/04/06	05/04/06
	BSD		QC338529		2,000	1,916		96	80-120	2	20	113066			05/04/06	05/04/06
PORT-1A	SDUP	186485-001	QC338530	136.7		137.4	3.000			1	20	113066	04/05/06	04/05/06	05/04/06	05/04/06
PORT-1A	SSPIKE	186485-001	QC338531	136.7	2,000	2,019		94	70-120			113066	04/05/06	04/05/06	05/04/06	05/04/06
	BS		QC338533		2,000	1,966		98	80-120			113067			05/04/06	05/04/06
	BSD		QC338534		2,000	1,882		94	80-120	4	20	113067			05/04/06	05/04/06
PORT-19A	SDUP	186485-021	QC338535	<3.000		ND	3.000			NC	20	113067	04/17/06	04/20/06	05/04/06	05/04/06
PORT-19A	SSPIKE	186485-021	QC338536	<0.5698	2,000	1,879		94	70-120			113067	04/17/06	04/20/06	05/04/06	05/04/06
	BS		QC338638		2,000	1,806		90	80-120			113095			05/05/06	05/05/06
	BSD		QC338639		2,000	1,872		94	80-120	4	20	113095			05/05/06	05/05/06
HOP-7A	SDUP	186485-022	QC338640	3.684		3.981	3.000			8	20	113095	04/19/06	04/20/06	05/05/06	05/05/06
HOP-7A	SSPIKE	186485-022	QC338641	3.684	2,000	1,791		89	70-120			113095	04/19/06	04/20/06	05/05/06	05/05/06

NC= Not Calculated
ND= Not Detected
RL= Reporting Limit
RPD= Relative Percent Difference

3.0

Curtis & Tompkins, Ltd.

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

AGS, Inc.
364 14th Street
Suite 500
Oakland, CA 94612

Date: 18-MAY-06
Lab Job Number: 186644
Project ID: KF0209
Location: I-580 EB HOV TMP TOS/ITS Project

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

This package may be reproduced only in its entirety.

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	186644
Client:	AGS, Inc.
Project:	KF0209
Location:	I-580 EB HOV TMP TOS/ITS Project
Request Date:	05/05/06
Samples Received:	04/12/06, 04/14/06, 04/20/06

This hardcopy data package contains sample and QC results for seven soil samples, requested for the above referenced project on 05/05/06. The samples were received cold and intact.

Metals (EPA 6010B) WET Leachate:
No analytical problems were encountered.

Metals (EPA 6010B) WET DI Leachate:
No analytical problems were encountered.

186644

Steven Stanley

From: "Doug Herold" <dherold@agsinc.com>
To: <steve@ctberk.com>
Cc: <bkhamenehpour@agsinc.com>
Sent: Friday, May 05, 2006 2:29 PM
Subject: Additional Testing Job #KF0209

Hi Steve,

I just received the results you emailed Tuesday and Wednesday on most of the B samples. Based on these results, the following B samples are to be subjected to BOTH the wet prep methods for STLC-Pb and DI-Pb:

Lab # 186153

-1 SVAS-1B -062

Lab # 186201

-2 NGRN-1B -043
-3 NGRN-2B -044
-4 NGRN-3B -045

Lab # 186299

-5 NFIR-3B -059
-6 NFIR-5B -061
-7 PORT-15B -071

As of this request, I am still waiting on the results for the B samples of Lab #186315. After reviewing those results, the test requests for these samples should be concluded. Please alert me as to the status of the hold request period for all these samples. My supervisor is requesting that I confirm with you that no samples are to be disposed of without prior notification. Please cc all correspondence to: bkhamenehpour@agsinc.com as my field work is continuing for the next several weeks and I do not know when I shall be able to check email.

Thank you.

Doug Herold
Senior Staff Geologist
AGS, Inc.
T: (510) 251-1180 x19
F: (510) 251-1190
M: (415) 342-2515

Curtis & Tompkins, Ltd.

Lead

Lab #:	186644	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	WET
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	113290
Matrix:	WET Leachate	Prepared:	05/11/06
Units:	ug/L	Analyzed:	05/11/06
Diln Fac:	10.00		

Field ID	Type	Lab ID	Result	RL	Sampled	Received
SVAS-1B	SAMPLE	186644-001	630	150	04/12/06	04/12/06
NGRN-1B	SAMPLE	186644-002	13,000	150	04/13/06	04/14/06
NGRN-2B	SAMPLE	186644-003	7,100	150	04/13/06	04/14/06
NGRN-3B	SAMPLE	186644-004	33,000	150	04/13/06	04/14/06
NFIR-3B	SAMPLE	186644-005	260	150	04/17/06	04/20/06
NFIR-5B	SAMPLE	186644-006	5,800	150	04/17/06	04/20/06
PORT-15B	SAMPLE	186644-007	930	150	04/17/06	04/20/06
	BLANK	QC339440	ND	150		

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.

Batch QC Report

Lead

Lab #:	186644	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	WET
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	113290
Field ID:	SVAS-1B	Sampled:	04/12/06
MSS Lab ID:	186644-001	Received:	04/12/06
Matrix:	WET Leachate	Prepared:	05/11/06
Units:	ug/L	Analyzed:	05/11/06

Type	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim	Diln Fac
BS	QC339441		2,000	1,914		96	80-120			1.000
BSD	QC339442		2,000	2,078		104	80-120	8	20	1.000
SDUP	QC339443	626.9		541.0	150.0			15	20	10.00
SSPIKE	QC339444	626.9	10,000	10,670		100	70-120			10.00

RL= Reporting Limit
RPD= Relative Percent Difference

3.0

Curtis & Tompkins, Ltd.

Lead

Lab #:	186644	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	WET DI
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	113291
Matrix:	WET DI Leachate	Prepared:	05/11/06
Units:	ug/L	Analyzed:	05/11/06
Diln Fac:	1.000		

Field ID	Type	Lab ID	Result	RL	Sampled	Received
SVAS-1B	SAMPLE	186644-001	ND	15	04/12/06	04/12/06
NGRN-1B	SAMPLE	186644-002	300	15	04/13/06	04/14/06
NGRN-2B	SAMPLE	186644-003	110	15	04/13/06	04/14/06
NGRN-3B	SAMPLE	186644-004	450	15	04/13/06	04/14/06
NFIR-3B	SAMPLE	186644-005	ND	15	04/17/06	04/20/06
NFIR-5B	SAMPLE	186644-006	26	15	04/17/06	04/20/06
PORT-15B	SAMPLE	186644-007	ND	15	04/17/06	04/20/06
	BLANK	QC339445	ND	15		

ND= Not Detected
RL= Reporting Limit

4.0

Curtis & Tompkins, Ltd.

Batch QC Report

Lead

Lab #:	186644	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	WET DI
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	113291
Field ID:	SVAS-1B	Sampled:	04/12/06
MSS Lab ID:	186644-001	Received:	04/12/06
Matrix:	WET DI Leachate	Prepared:	05/11/06
Units:	ug/L	Analyzed:	05/11/06
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim
BS	QC339446		2,000	1,982		99	80-120		
BSD	QC339447		2,000	2,002		100	80-120	1	20
SDUP	QC339448	<15.00		ND	15.00			NC	20
SSPIKE	QC339449	7.945	10,000	9,933		99	70-120		

NC= Not Calculated
ND= Not Detected
RL= Reporting Limit
RPD= Relative Percent Difference

5.0

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

AGS, Inc.
364 14th Street
Suite 500
Oakland, CA 94612

Date: 23-MAY-06
Lab Job Number: 186686
Project ID: KF0209
Location: I-580 EB HOV TMP TOS/ITS Project

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

This package may be reproduced only in its entirety.

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**186686**
Client:	**AGS, Inc.**
Project:	**KF0209**
Location:	**I-580 EB HOV TMP TOS/ITS Project**
Request Date:	**05/09/06**
Samples Received:	**04/21/06**

This hardcopy data package contains sample and QC results for two soil samples, requested for the above referenced project on 05/09/06. The samples were received cold and intact.

Metals (EPA 6010B) WET Leachate:
No analytical problems were encountered.

Metals (EPA 6010B) WET DI Leachate:
No analytical problems were encountered.

186686

Steven Stanley

From: "Doug Herold" <dherold@agsinc.com>
To: <steve@ctberk.com>
Cc: <bkhamenehpour@agsinc.com>
Sent: Tuesday, May 09, 2006 12:32 PM
Subject: Additional Testing for #186315

Steve,

Reviewing the final test results of Total Lead for #186315, I need to request additional testing for two samples based on the total lead levels detected.

The following 2 samples need to be tested for WET STLC Pb and WET DI Pb:

Lab #186315

-1 SUN-4B -016
-2 ALCO-3B -019

Thank you.

Doug Herold
Senior Staff Geologist
AGS, Inc.
T: (510) 251-1180 x19
F: (510) 251-1190
M: (415) 342-2515

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 186315

Sampler: P. Hanna

Project No.: [illegible]

Report To: Doug Heald dheald@aecs.com

Project Name: 1-580 EB HOV TMP TOS/IT. Project

Company: AECS, Inc.

Project P.O.:

Telephone: (510) 251-1160x19

Turnaround Time: Standard

Fax: (510) 251-1110

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste		# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE		Total Lead (EPA Code)	HOLD for additional Testing
-1	AND - 1A	4/20/06 1205	X				1 Tube				X		X	
-2	AND - 2A	1147	X				1				X		X	
-3	SUN - 1A	1304	X				1				X		X	
-4	SUN - 2A	1321	X				1				X		X	
-5	SUN - 3A	1344	X				1				X		X	
-6	SUN - 4A	1410	X				1				X		X	
-7	SUN - 5A	1450	X				1				X		X	
-8	ALCO - 1A	1610	X				1				X		X	
-9	ALCO - 2A	1714	X				1				X		X	
-10	ALCO - 3A	1641	X				1				X		X	

Notes:
HOLD for additional Testing.
Sample from bottom of all tube.

SAMPLE RECEIPT
☑ Intact ☑ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/20/06 0930 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 4-21-06 9:30 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

Page ____ of ____

C & T LOGIN #: 186315

Sampler: [illegible]

Project No.: [illegible]

Report To: [illegible]

Project Name: [illegible] /ITS Project

Company: [illegible]

Project P.O.:

Telephone: (510) 251-11[illegible] x 1[illegible]

Turnaround Time: [illegible]

Fax: (510) 251-1192

Analysis

HOLD for additional testing

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste		# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	
-11	AND - 1B	4/20/06 1210	X				1 Tube				X	
-12	AND - 2B	1[illegible]	X				1				X	
-13	SUN - 1B	1310	X				1				X	
-14	SUN - 2B	1328	X				1				X	
-15	SUN - 3B	1352	X				1				X	
-16	SUN - 4B	1430	X				1				X	
-17	ALCO - 1B	1622 ~~[illegible]~~	X				1				X	
-18	ALCO - 2B	1722	X				1				X	
-19	ALCO - 3B	1659	X				1				X	
-20	SUN 5B	1757	X				1				X	

Notes:
HOLD for additional testing
Sample from bottom of all tubes.

SAMPLE RECEIPT
☑ Intact ☑ Cold
☐ On Ice ☐ Ambient

Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:

[signature] 4/21/06 0930
DATE / TIME

DATE / TIME

DATE / TIME

RECEIVED BY:

[signature] 4-21-06 09:30
DATE / TIME

DATE / TIME

DATE / TIME

SIGNATURE

Steven Stanley

From: "Doug Herold" <dherold@agsinc.com>
To: <steve@ctberk.com>
Sent: Monday, April 24, 2006 10:13 AM
Subject: Additional testing for I-580 samples

Steve,

Please note that I was requested to have the final reports for all the testing include the name of the project as "I-580 EB HOV TMP TOS/ITS Project" as I wrote on the final 2 CoCs Thursday and Friday oof last week. Please make this change on all the previous submissions.

My boss has requested that I request total lead testing (EPA 6010) on all the B samples. Please put this test request into the system.
This applies to the samples listed on CoCs #186002, 186153, 186201, 186299, and the samples I brought in on Friday, 4/21, for which I have not received a lab number on.

Also, be advised that we are expected to run (or have you run) the soluble threshold limit concentration test for lead and the de-ionized water waste extraction lead test on all samples with a total lead at or above 50. Do not discard ANY samples. If your hold period for anything expires, give me a buzz, call or email, and I will come pick them up.

Thank you.

Doug Herold

AGS, Inc.
T: (510) 251-1180 x19
F: (510) 251-1190
M: (415) 342-2515
E: dherold@agsinc.com

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request By: D. Herold Date/Time: 4/25/06 11:39 Initials: SES

Login Review Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186315-011		AND-1B	Soil	Add	PB	5/1
186315-012		AND-2B	Soil	Add	PB	5/1
186315-013		SUN-1B	Soil	Add	PB	5/1
186315-014		SUN-2B	Soil	Add	PB	5/1
186315-015		SUN-3B	Soil	Add	PB	5/1
186315-016		SUN-4B	Soil	Add	PB	5/1
186315-017		ALCO-1B	Soil	Add	PB	5/1
186315-018		ALCO-2B	Soil	Add	PB	5/1
186315-019		ALCO-3B	Soil	Add	PB	5/1
186315-020		SUN-5B	Soil	Add	PB	5/1

Curtis & Tompkins, Ltd.

Lead

Lab #:	186686	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	WET
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Sampled:	04/20/06
Matrix:	WET Leachate	Received:	04/21/06
Units:	ug/L	Prepared:	05/12/06
Diln Fac:	10.00	Analyzed:	05/12/06
Batch#:	113383		

Field ID	Type	Lab ID	Result	RL
SUN-4B	SAMPLE	186686-001	7,900	150
ALCO-3B	SAMPLE	186686-002	200	150
	BLANK	QC339814	ND	150

ND= Not Detected
RL= Reporting Limit

4.0

Curtis & Tompkins, Ltd.

Batch QC Report

Lead

Lab #:	186686	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	WET
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	113383
Field ID:	ZZZZZZZZZZ	Sampled:	04/25/06
MSS Lab ID:	186680-001	Received:	04/25/06
Matrix:	WET Leachate	Prepared:	05/12/06
Units:	ug/L	Analyzed:	05/12/06

Type	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim	Diln Fac
BS	QC339815		2,000	1,789		89	80-120			1.000
BSD	QC339816		2,000	1,840		92	80-120	3	20	1.000
SDUP	QC339817	2,811		2,783	150.0			1	20	10.00
SSPIKE	QC339818	2,811	10,000	12,200		94	70-120			10.00

RL= Reporting Limit
RPD= Relative Percent Difference

5.0

Curtis & Tompkins, Ltd.

Lead

Lab #:	186686	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	WET
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Sampled:	04/20/06
Matrix:	WET DI Leachate	Received:	04/21/06
Units:	ug/L	Prepared:	05/12/06
Diln Fac:	1.000	Analyzed:	05/12/06
Batch#:	113376		

Field ID	Type	Lab ID	Result	RL
SUN-4B	SAMPLE	186686-001	14	3.0
ALCO-3B	SAMPLE	186686-002	3.1	3.0
	BLANK	QC339781	ND	3.0

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.

Batch QC Report

Lead

Lab #:	186686	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	WET
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	113376
Field ID:	SUN-4B	Sampled:	04/20/06
MSS Lab ID:	186686-001	Received:	04/21/06
Matrix:	WET DI Leachate	Prepared:	05/12/06
Units:	ug/L	Analyzed:	05/12/06
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim
BS	QC339782		2,000	1,961		98	80-120		
BSD	QC339783		2,000	2,113		106	80-120	7	20
SDUP	QC339784	13.92		14.06	3.000			1	20
SSPIKE	QC339785	13.92	2,000	2,101		104	70-120		

RL= Reporting Limit
RPD= Relative Percent Difference

3.0

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

AGS, Inc.
364 14th Street
Suite 500
Oakland, CA 94612

Date: 30-MAY-06
Lab Job Number: 186846
Project ID: KF0209
Location: I-580 EB HOV TMP TOS/ITS Project

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

This package may be reproduced only in its entirety.

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**186846**
Client:	**AGS, Inc.**
Project:	**KF0209**
Location:	**I-580 EB HOV TMP TOS/ITS Project**
Request Date:	**05/16/06**
Samples Received:	**04/21/06**

This hardcopy data package contains sample and QC results for one soil sample, requested for the above referenced project on 05/16/06. The sample was received cold and intact.

Metals (EPA 6010B) WET Leachate:
High recovery was observed for lead in the matrix spike for batch 113655; the parent sample was not a project sample, and the BS/BSD were within limits. No other analytical problems were encountered.

Metals (EPA 6010B) WET DI Leachate:
No analytical problems were encountered.

6.0

186846

Steven Stanley

From: "Doug Herold" <dherold@agsinc.com>
To: "Steve Stanley" <steve@ctberk.com>
Sent: Tuesday, May 16, 2006 2:35 PM
Subject: RE: KF0209 - C&T Reports (186686)

Hi Steve,

-1 In entering the data from this report, I discovered that I mis-requested the second test sample. The request for ALCO-3B should have been for ALCO-2B.

-018

Please get this test going ASAP.

Thanks,

Doug

-----Original Message-----
From: Steve Stanley [mailto:steve@ctberk.com]
Sent: Tuesday, May 16, 2006 1:15 PM
To: dherold@agsinc.com
Subject: KF0209 - C&T Reports (186686)

Attached is a PDF version of the hardcopy reports for C&T job 186686.

Email compiled and sent 05/16/06 01:15 PM.

186686

Steven Stanley

From: "Doug Herold" <dherold@agsinc.com>
To: <steve@ctberk.com>
Cc: <bkhamenehpour@agsinc.com>
Sent: Tuesday, May 09, 2006 12:32 PM
Subject: Additional Testing for #186315

Steve,

Reviewing the final test results of Total Lead for #186315, I need to request additional testing for two samples based on the total lead levels detected.

The following 2 samples need to be tested for WET STLC Pb and WET DI Pb:

Lab #186315

1 SUN-4B -016
2 ALCO-3B -019

Thank you.

Doug Herold
Senior Staff Geologist
AGS, Inc.
T: (510) 251-1180 x19
F: (510) 251-1190
M: (415) 342-2515

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 410 315

Analysis

Sampler: [illegible]

Project No.: [illegible]

Report To: [illegible]

Project Name: [illegible] Hor TMP
TDS/TT.. in feet

Company: [illegible]

Project P.O.:

Telephone: (510) 25[illegible] 31 60x.4

Turnaround Time: Standard

Fax: (510) 25[illegible]-4410

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		Total Lead (EPA [illegible])	HOLD for additional [illegible]
-1	AND - 1A	4/20/06 1205	X				1 Tube				X		X	
-2	AND - 2A	1147	X				1				X		X	
-3	SUN - 1A	1304	X				1				X		X	
-4	SUN - 2A	1221	X				1				X		X	
-5	SUN - 3A	1347	X				1				X		X	
-6	SUN - 4A	1410	X				1				X		X	
-7	SUN - 5A	1350	X				1				X		X	
-8	ALCO - 1A	1610	X				1				X		X	
-9	ALCO - 2A	1714	X				1				X		X	
-10	ALCO - 3A	1641	X				1				X		X	

Notes:
HOLD for additional Testing.
Sample from bottom of all tubes.

SAMPLE RECEIPT
☑ Intact ☑ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 4/20 0930 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 4-21-06 9:30 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

Page of

Analysis

C & T LOGIN #: 186312

Sampler:

Project No.:

Report To:

Project Name:

Company:

Project P.O.:

Telephone:

Turnaround Time:

Fax:

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste		# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	
-11	AND - 1B	4/20/06 1210	X				1 Tube				X	
-12	AND - 2B	1219	X				1				X	
-13	SUN - 1B	1310	X				1				X	
-14	SUN - 2B	1328	X				1				X	
-15	SUN 3B	1352	X				1				X	
-16	SUN - 4B	1430	X				1				X	
-17	ALCO - 1B	1622 ~~[illegible]~~	X				1				X	
-18	ALCO - 2B	1722	X				1				X	
-19	ALCO - 3B	1659	X				1				X	
-20	SUN 5B	1757	X				1				X	

HOLD [illegible]

Notes:
HOLD for additional testing
Sample from bottom of all tubes.

SAMPLE RECEIPT
☑ Intact ☑ Cold
☐ On Ice ☐ Ambient

Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:

4/21/06 0930
DATE / TIME

DATE / TIME

DATE / TIME

RECEIVED BY:

4-21-06 09:30
DATE / TIME

DATE / TIME

DATE / TIME

SIGNATURE

Steven Stanley

From: "Doug Herold" <dherold@agsinc.com>
To: <steve@ctberk.com>
Sent: Monday, April 24, 2006 10:13 AM
Subject: Additional testing for I-580 samples

Steve,

Please note that I was requested to have the final reports for all the testing include the name of the project as "I-580 EB HOV TMP TOS/ITS Project" as I wrote on the final 2 CoCs Thursday and Friday oof last week. Please make this change on all the previous submissions.

My boss has requested that I request total lead testing (EPA 6010) on all the B samples. Please put this test request into the system.
This applies to the samples listed on CoCs #186002, 186153, 186201, 186299, and the samples I brought in on Friday, 4/21, for which I have not received a lab number on.

Also, be advised that we are expected to run (or have you run) the soluble threshold limit concentration test for lead and the de-ionized water waste extraction lead test on all samples with a total lead at or above 50. Do not discard ANY samples. If your hold period for anything expires, give me a buzz, call or email, and I will come pick them up.

Thank you.

Doug Herold

AGS, Inc.
T: (510) 251-1180 x19
F: (510) 251-1190
M: (415) 342-2515
E: dherold@agsinc.com

CURTIS & TOMPKINS, LTD. BERKELEY

LOGIN CHANGE FORM

Reason for change: X Client Request ___ Login Review

By: D. Herold ___ Data Review

Date/Time: 4/25/06 11:39

Initials: SES

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
186315-011		AND-1B	Soil	Add	PB	5/1
186315-012		AND-2B	Soil	Add	PB	5/1
186315-013		SUN-1B	Soil	Add	PB	5/1
186315-014		SUN-2B	Soil	Add	PB	5/1
186315-015		SUN-3B	Soil	Add	PB	5/1
186315-016		SUN-4B	Soil	Add	PB	5/1
186315-017		ALCO-1B	Soil	Add	PB	5/1
186315-018		ALCO-2B	Soil	Add	PB	5/1
186315-019		ALCO-3B	Soil	Add	PB	5/1
186315-020		SUN-5B	Soil	Add	PB	5/1

Curtis & Tompkins, Ltd.

Lead

Lab #:	186846	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	WET
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	113655
Field ID:	ALCO-2B	Sampled:	04/20/06
Matrix:	WET Leachate	Received:	04/21/06
Units:	ug/L	Prepared:	05/22/06
Diln Fac:	10.00	Analyzed:	05/22/06

Type	Lab ID	Result	RL
SAMPLE	186846-001	7,600	150
BLANK	QC340905	ND	150
BLANK	QC340906	ND	150
BLANK	QC340907	ND	150

ND= Not Detected
RL= Reporting Limit

4.0

Curtis & Tompkins, Ltd.

Batch QC Report

Lead

Lab #:	186846	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	WET
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	113655
Field ID:	ZZZZZZZZZZ	Sampled:	05/12/06
MSS Lab ID:	186780-001	Received:	05/12/06
Matrix:	WET Leachate	Prepared:	05/22/06
Units:	ug/L	Analyzed:	05/22/06

Type	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim	Diln Fac
BS	QC340908		2,000	1,936		97	80-120			1.000
BSD	QC340909		2,000	1,795		90	80-120	8	20	1.000
SDUP	QC340910	15,660		17,740	150.0			12	20	10.00
SSPIKE	QC340911	15,660	10,000	27,740		121 *	70-120			10.00

*= Value outside of QC limits; see narrative
RL= Reporting Limit
PD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Lead

Lab #:	186846	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	WET DI
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	113654
Field ID:	ALCO-2B	Sampled:	04/20/06
Matrix:	WET DI Leachate	Received:	04/21/06
Units:	ug/L	Prepared:	05/22/06
Diln Fac:	1.000	Analyzed:	05/22/06

Type	Lab ID	Result	RL
SAMPLE	186846-001	7.3	3.0
BLANK	QC340900	ND	3.0

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.

Batch QC Report

Lead

Lab #:	186846	Location:	I-580 EB HOV TMP TOS/ITS Project
Client:	AGS, Inc.	Prep:	WET DI
Project#:	KF0209	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	113654
Field ID:	ALCO-2B	Sampled:	04/20/06
MSS Lab ID:	186846-001	Received:	04/21/06
Matrix:	WET DI Leachate	Prepared:	05/22/06
Units:	ug/L	Analyzed:	05/22/06
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim
BS	QC340901		2,000	1,939		97	80-120		
BSD	QC340902		2,000	1,854		93	80-120	4	20
SDUP	QC340903	7.276		6.177	3.000			16	20
SSPIKE	QC340904	7.276	2,000	1,960		98	70-120		

RL= Reporting Limit
RPD= Relative Percent Difference