INFORMATION HANDOUT

For Contract No. 07-287204
At 07-LA-134-1.6/2.7

Identified by
Project ID 0700020927

MATERIALS INFORMATION

Lead Investigation Reports

Utilities Variance to Policy

Fiber Optic System As-Built drawings

Lead

LA 134
TO # 07-188500-KR
KP 3.06 - 3.70

PM 1.359 - 2.769
KP 2.187 - 4.456

lib. copy

7K03

LEAD INVESTIGATION REPORT

ROUTE 134 FROM BUENA VISTA STREET TO FORMAN AVENUE LOS ANGELES, CALIFORNIA CONTRACT NO. 43A0012 TASK ORDER NO. 07-188500-KR

GEOCON

GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS

PREPARED FOR

CALIFORNIA DEPARTMENT
OF TRANSPORTATION
DISTRICT 7
LOS ANGELES, CALIFORNIA

PREPARED BY

GEOCON ENVIRONMENTAL CONSULTANTS, INC.
6970 FLANDERS DRIVE
SAN DIEGO, CALIFORNIA 92121
Tel. 858.558.6100
Fax. 858.558.8437
email: environmental@geoconinc.com

AUGUST 2000

SOURCE : 2000 THOMAS BROTHERS MAP
LOS ANGELES COUNTY, CALIFORNIA

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N

NO SCALE

GEOCON
CONSULTANTS, INC.
ENVIRONMENTAL ■ GEOTECHNICAL ■ MATERIALS
6970 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121 - 2974
PHONE 858 558-6100 - FAX 858 558-8437

TWL / AML		DSK / E0000

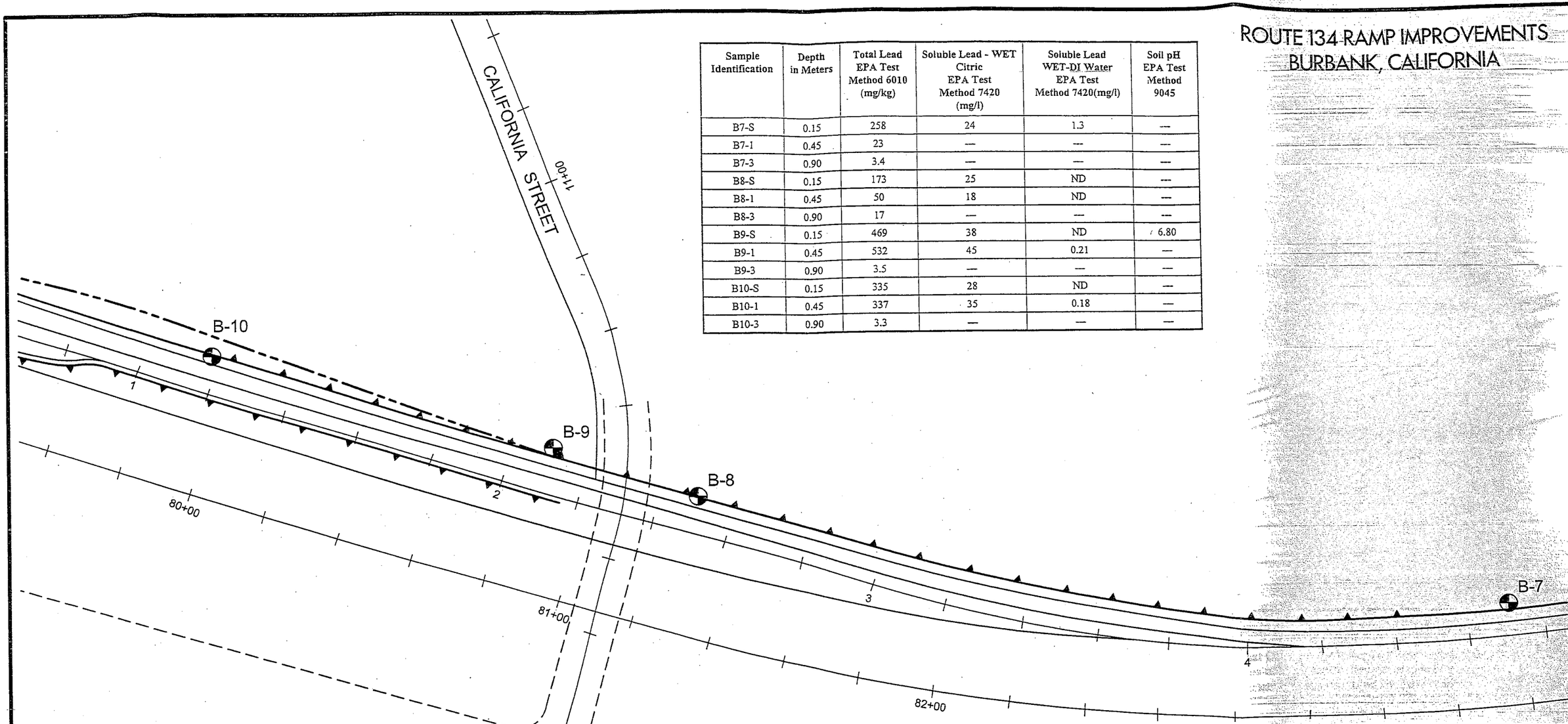
VICINITY MAP

ROUTE 134 RAMP IMPROVEMENTS
BURBANK, CALIFORNIA

DATE	PROJECT NO. 08900 - 06 - 82	FIG. 1

1EVICMAP

ROUTE 134 RAMP IMPROVEMENTS
BURBANK, CALIFORNIA



Sample Identification	Depth in Meters	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead - WET Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420(mg/l)	Soil pH EPA Test Method 9045
B7-S	0.15	258	24	1.3	---
B7-1	0.45	23	---	---	---
B7-3	0.90	3.4	---	---	---
B8-S	0.15	173	25	ND	---
B8-1	0.45	50	18	ND	---
B8-3	0.90	17	---	---	---
B9-S	0.15	469	38	ND	6.80
B9-1	0.45	532	45	0.21	---
B9-3	0.90	3.5	---	---	---
B10-S	0.15	335	28	ND	---
B10-1	0.45	337	35	0.18	---
B10-3	0.90	3.3	---	---	---

RECOMMENDATIONS

Should the excavated soil be disposed, it should be handled as a hazardous material with respect to lead content. Geocon recommends that Caltrans notify the contractors performing the construction activities that hazardous concentrations of lead may be present in on-site soil and that appropriate health and safety measures should be taken to minimize the exposure to lead.

GEOCON LEGEND

.....BORING LOCATION

SITE PLAN

N

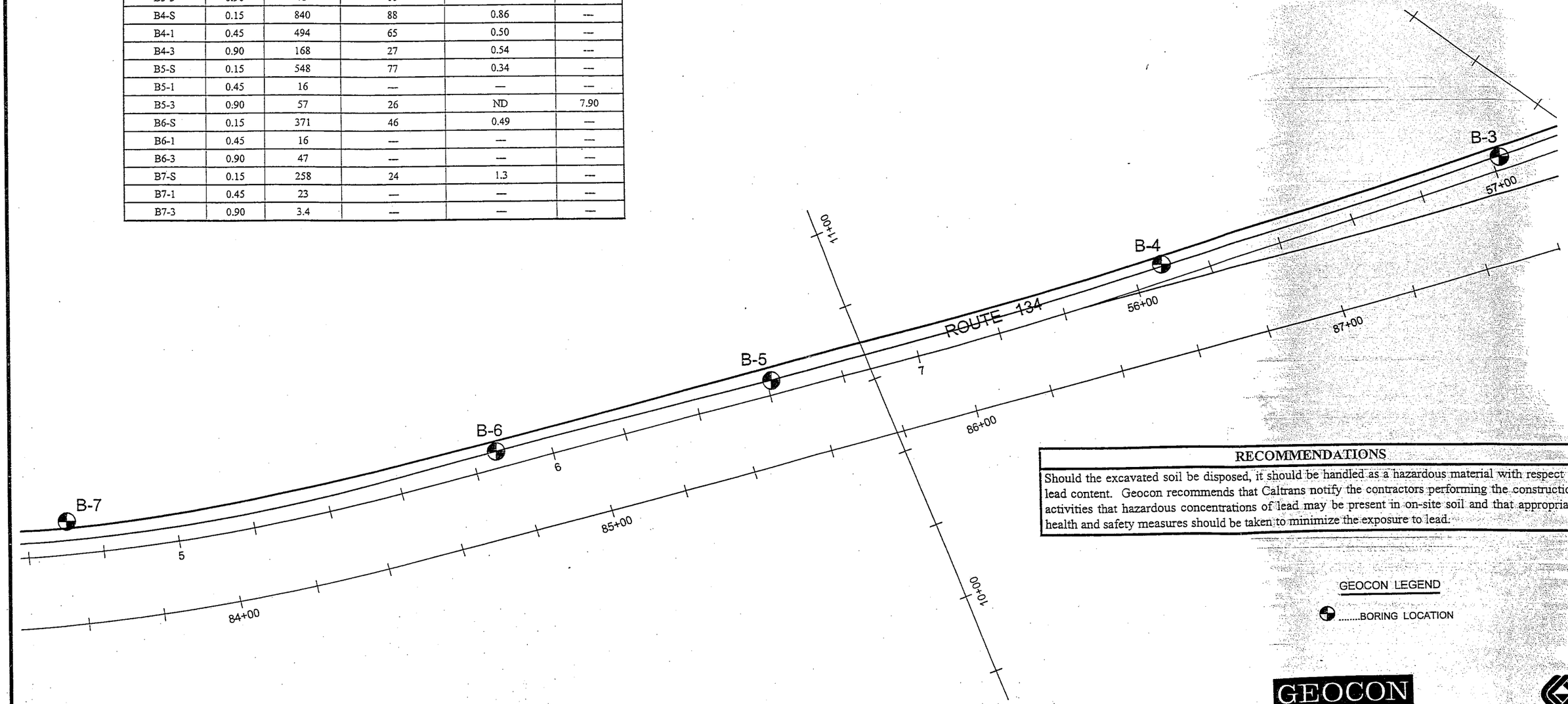
NO SCALE

GEOCON
CONSULTANTS, INC.
ENVIRONMENTAL ■ GEOTECHNICAL ■ MATERIALS
6970 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121 - 2974
PHONE (858) 558-6100 - FAX (858) 558-8437
PROJECT NO. 08900 - 06 - 82
FIGURE 2, PLATE 5
DATE

E/GEOTECH/SITEPLAN/8900/8900TL5/cml

Sample Identification	Depth in Meters	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead - WET Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420(mg/l)	Soil pH EPA Test Method 9045
B3-S	0.15	110	15	ND	---
B3-1	0.45	458	59	0.31	---
B3-3	0.90	75	10	ND	---
B4-S	0.15	840	88	0.86	---
B4-1	0.45	494	65	0.50	---
B4-3	0.90	168	27	0.54	---
B5-S	0.15	548	77	0.34	---
B5-1	0.45	16	---	---	---
B5-3	0.90	57	26	ND	7.90
B6-S	0.15	371	46	0.49	---
B6-1	0.45	16	---	---	---
B6-3	0.90	47	---	---	---
B7-S	0.15	258	24	1.3	---
B7-1	0.45	23	---	---	---
B7-3	0.90	3.4	---	---	---

ROUTE 134 RAMP IMPROVEMENTS
BURBANK, CALIFORNIA



RECOMMENDATIONS

Should the excavated soil be disposed, it should be handled as a hazardous material with respect to lead content. Geocon recommends that Caltrans notify the contractors performing the construction activities that hazardous concentrations of lead may be present in on-site soil and that appropriate health and safety measures should be taken to minimize the exposure to lead.

GEOCON LEGEND

.....BORING LOCATION

SITE PLAN

N

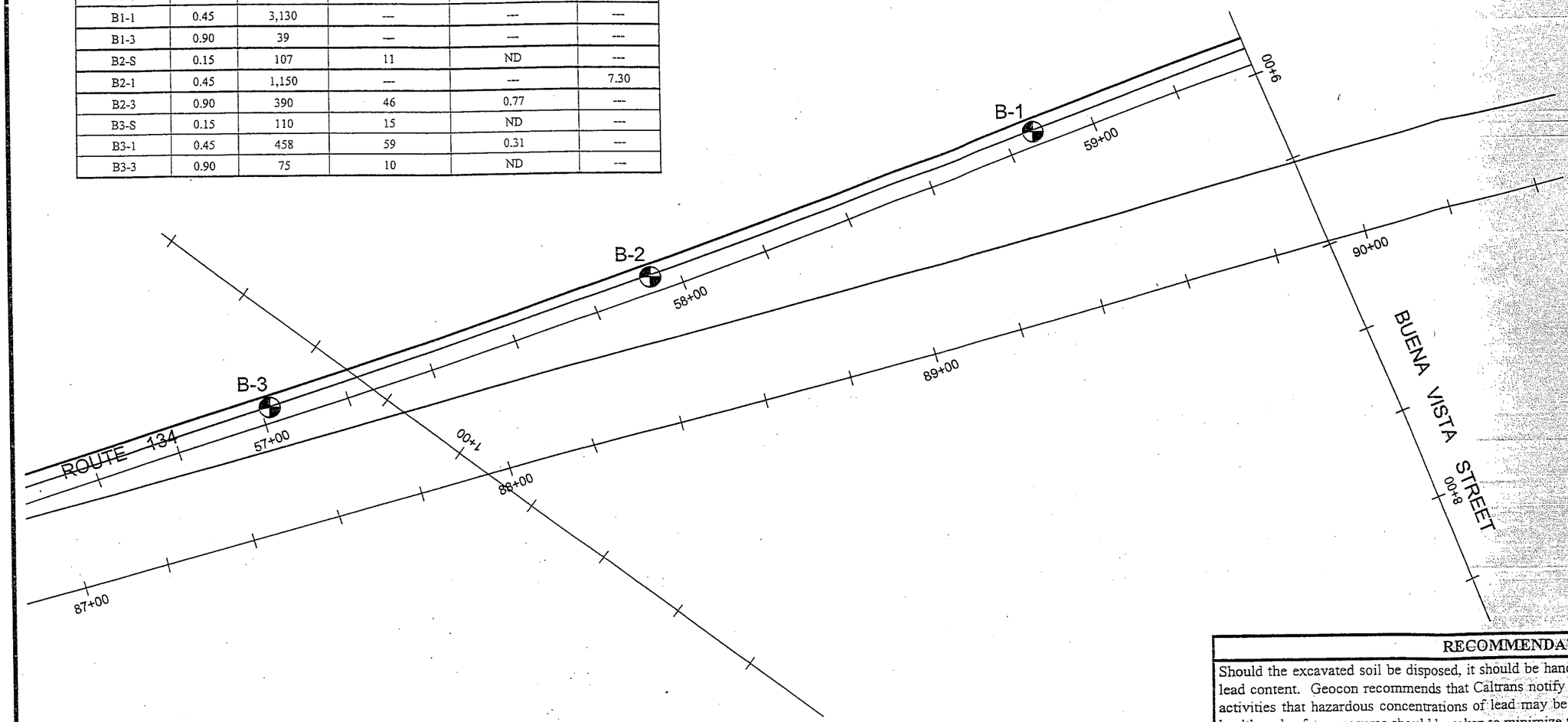
NO SCALE

GEOCON
CONSULTANTS, INC.
ENVIRONMENTAL ■ GEOTECHNICAL ■ MATERIALS
6970 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121 - 2974
PHONE (858) 558-6100 - FAX (858) 558-8437
PROJECT NO. 08900 - 06 - 82
FIGURE 2, PLATE 6
DATE

E/GEOTECH/SITEPLAN/8900/8900TL6/aml

ROUTE 134 RAMP IMPROVEMENTS
BURBANK, CALIFORNIA

Sample Identification	Depth in Meters	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead - WET Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420(mg/l)	Soil pH EPA Test Method 9045
B1-S	0.15	3,820	---	---	---
B1-1	0.45	3,130	---	---	---
B1-3	0.90	39	---	---	---
B2-S	0.15	107	11	ND	---
B2-1	0.45	1,150	---	---	7.30
B2-3	0.90	390	46	0.77	---
B3-S	0.15	110	15	ND	---
B3-1	0.45	458	59	0.31	---
B3-3	0.90	75	10	ND	---



RECOMMENDATIONS

Should the excavated soil be disposed, it should be handled as a hazardous material with respect to lead content. Geocon recommends that Caltrans notify the contractors performing the construction activities that hazardous concentrations of lead may be present in on-site soil and that appropriate health and safety measures should be taken to minimize the exposure to lead.

GEOCON LEGEND

.....BORING LOCATION

SITE PLAN

N

NO SCALE

GEOCON
CONSULTANTS, INC.
ENVIRONMENTAL ■ GEOTECHNICAL ■ MATERIALS
6970 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121 - 2974
PHONE (858) 558-6100 - FAX (858) 558-8437
PROJECT NO. 08900 - 06 - 82
FIGURE 2, PLATE 7
DATE

E/GEOTECH/SITEPLAN/8900/8900TL7/aml

Lead

LA 134
TO # 07-061741-3J
KP 0.00 - ~~2.10~~ 3.38

Library

7KOT

AERIAL DEPOSITED LEAD SITE INVESTIGATION REPORT

ROUTE 134 – ROUTE 170
NORTH HOLLYWOOD, CALIFORNIA

LA-134 KP 0.0/2.1

CONTRACT 43A0012
TASK ORDER NO. 07-061741-3J

GEOCON

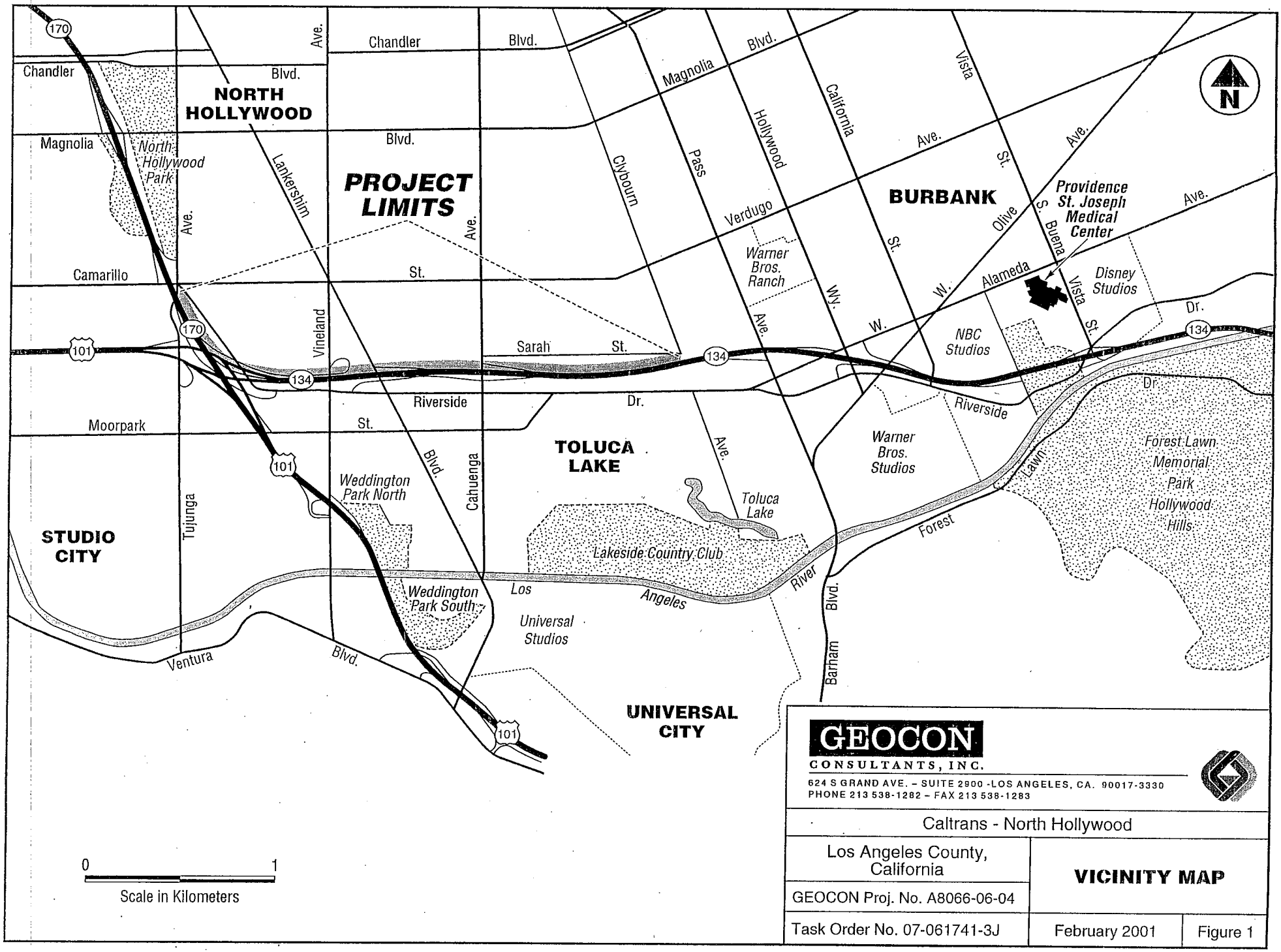
GEOTECHNICAL
&
ENVIRONMENTAL
CONSULTANTS

PREPARED FOR

CALIFORNIA DEPARTMENT OF TRANSPORTATION
DISTRICT 7
LOS ANGELES, CALIFORNIA

GEOCON PROJECT NO. A8066-06-04

FEBRUARY 2001



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

Caltrans - North Hollywood

Los Angeles County, California

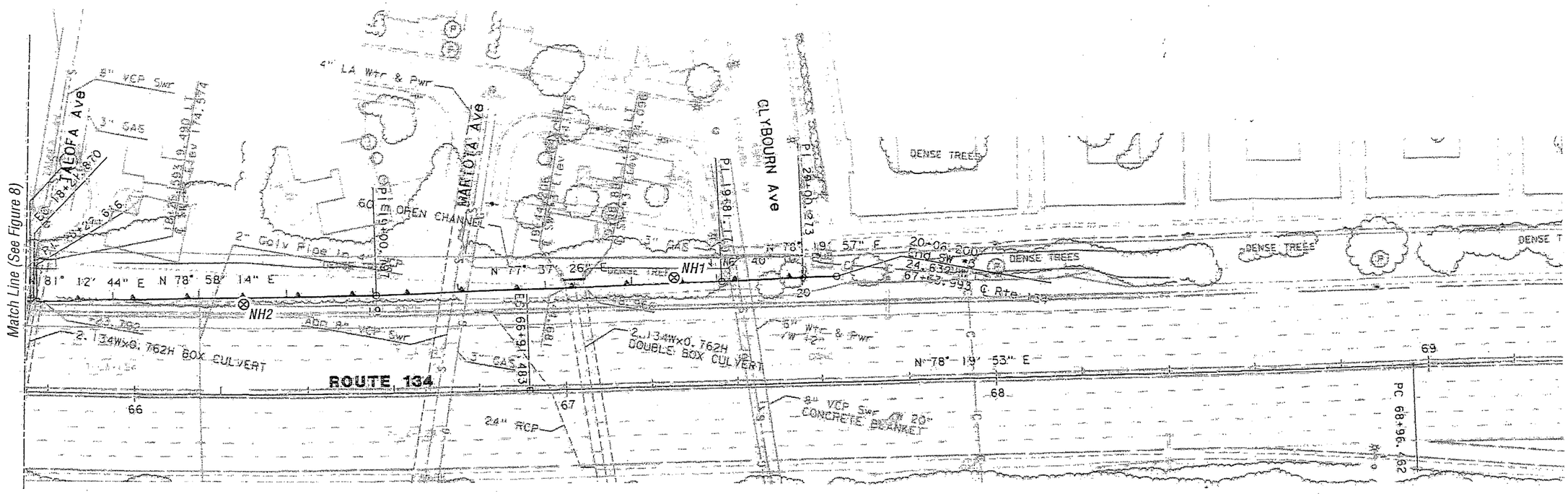
GEOCON Proj. No. A8066-06-04

Task Order No. 07-061741-3J

VICINITY MAP

February 2001

Figure 1



LEGEND:

NH1 ⊗ Approximate Boring Location

0 10 20m

Scale: 1:1,000

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

Caltrans - North Hollywood		
Los Angeles County, California	**SITE PLAN**	
GEOCON Proj. No. A8066-06-04		
Task Order No. 07-061741-3J	February 2001	Figure 9

TABLE 1

SUMMARY OF SOIL ANALYTICAL DATA - TOTAL LEAD, SOLUBLE LEAD, AND SOIL pH

ROUTE 134 - ROUTE 170

CALTRANS TASK ORDER NO. 07-061741-3J

NORTH HOLLYWOOD, CALIFORNIA

SAMPLE I.D.	TOTAL LEAD (mg/kg)	WET LEAD (mg/l)	DI-WET LEAD (mg/l)	TCLP LEAD (mg/l)	pH
NH-1-T	195	14	<0.15	---	---
NH-1-2	26	---	---	---	---
NH-1-5	158	5.8	0.19	---	---
NH-2-T	158	59	0.76	---	---
NH-2-2	628	---	---	---	---
NH-2-5	263	26	0.59	---	---
NH-3-T	4,350	---	---	7.3	---
NH-3-2	65	4.4	---	---	---
NH-3-5	11	---	---	---	---
NH-4-T	3,530	---	---	3.5	---
NH-4-2	66	2.2	---	---	---
NH-4-5	581/*620	---	---	---	---
NH-5-A-Surf	1100	---	---	---	---
NH-5-A-1	1000	---	---	---	---
NH-5-A-2	26	---	---	---	---
NH-5-A-3	88	---	---	---	---
NH-5-A-5	220	---	---	---	---
NH-5-T	4,100	---	---	3.7	---
NH-5-2	2,590	---	---	4.3	---
NH-5-5	5,510/*3,500	---	---	9.3	---
NH-5-Conf-Surf	1000	---	---	---	---
NH-5-Conf-1	1400	---	---	---	---
NH-5-Conf-2	430	---	---	---	---
NH-5-Conf-3	<5	---	---	---	---
NH-5-Conf-5	86	---	---	---	---
NH-5-B-Surf	820	---	---	---	---
NH-5-B-1	1100	---	---	---	---
NH-5-B-2	660	---	---	---	---
NH-5-B-3	870	---	---	---	---
NH-5-B-5	130	---	---	---	---
NH-6-T	1,000	---	---	2.9	---
NH-6-2	156	9.8	0.26	---	---
NH-6-5	46	---	---	---	---

State of California
DEPARTMENT OF TRANSPORTATION

California State Transportation Agency

Memorandum

Flex your power!
Be energy efficient!

To: CELINA AVILES - 07
Senior Transportation Engineer
District 07, Division of Design
Office of Design A, Utilities Engineering

Date: February 25, 2014

File: 07-287201
Project ID 0700020927
07-LA-134, PM 1.6/2.7
617

From: LINDA FONG, Chief
Encroachment Exceptions
Division of Design
MS 28

Subject: **REQUEST FOR EXCEPTION – VARIANCE TO "POLICY ON HIGH AND LOW RISK UNDERGROUND FACILITIES WITHIN HIGHWAY RIGHTS OF WAY"**

Your request for a variance to policy dated February 10, 2014 (received February 14, 2014), to allow for the locating of existing utilities concurrent with construction, is conditionally approved.

This $2.9 million Transportation Enhancement project is located in the city of Burbank from Clybourn Avenue to Bob Hope Drive. Work includes slope stabilization and erosion control achieved by planting trees, shrubs, ground cover and repairing-installing an irrigation system. Excavation depths are not expected to exceed 12-inches.

Current policy requires that existing utilities be included on the project plans. The proposed plans do not include the presentation of any utilities.

No utility conflicts were indentified from as-built plans, permit records or other sources. The scope of work is flexible: in the event that any utility conflict is discovered, the excavation and placement of improvements can be set where no utility conflict exists. No adverse operational, or maintenance issues are introduced with the proposed work.

Conditions of approval:

1. This approval shall not set any precedents.
2. This approval is a variance to the policy requiring the presentation of existing utilities on the plans and does not remove other requirements of the "Policy on High and Low Risk Underground Facilities Within Highway Rights of Way."
3. The plan sheets must include the note, "EXISTING UTILITY FACILITIES HAVE NOT BEEN INCLUDED ON THESE PLANS."
4. A copy of this variance must be provided to the Resident Engineer.
5. Paragraph 8 of the nonstandard special provision 5-1.36D (attached) must be provided to the Office Engineer and incorporated with the contract plans.

Attachment

cc: PJDickinson – HQ Maintenance
LBrownell – HQ R/W
TFranklin – HQ Traffic Operations
RWeaver – HQ Environmental
KDreher – HQ Design
LFong
LKrichevsky
Design Files

LFong/PReilly

Section 5-1.36D. Use if utilities are to be relocated during construction or if utilities are involved with pile driving, drilling, or substructure construction.

Add to section 5-1.36D:

1. Use if the date of relocation is known. Identify each utility and relocation date.

The utility owner will relocate a utility shown in the following table before the corresponding date shown:

Utility Relocation and Date of the Relocation

Utility	Location	Date

2. Use if the Department has arranged the relocation schedule with the utility owner. Identify each utility and number of days for its relocation.

During the progress of the work under this Contract, the utility owner will relocate a utility shown in the following table within the corresponding number of days shown. Notify the Engineer before you work near a utility shown. The days start on the notification date.

Utility Relocation and Department-Arranged Time for the Relocation

Utility	Location	Days

3. Use if the Contractor is to arrange the relocation schedule with the utility owner. Identify each utility and number of days for its relocation.

Installation of the utilities shown in the following table requires coordination with your activities. Make the necessary arrangements with the utility company through the Engineer and submit a schedule:

1. Verified by a representative of the utility company
2. Allowing at least the time shown for the utility owner to complete its work

Utility Relocation and Contractor-Arranged Time for the Relocation

Utility	Utility address	Location	Days

4. Use if utilities are being rearranged to permit pile driving, drilling activities, or substructure construction. Identify each utility and its location.

To allow pile driving, drilling activities, or substructure construction, the utility owner will rearrange the utilities shown in the following table during construction activities. No other utility will be rearranged or temporarily deactivated before or during construction activities for this purpose unless you make arrangements with the utility owner. Notify the Engineer at least 30 days before the interfering utilities are to be rearranged. The Engineer notifies the utility owners.

Utility Rearrangement for Pile Driving, Drilling Activities, or Substructure Construction

Utility	Location

5. Use if utilities are not being rearranged to permit pile driving, drilling activities, or substructure construction. Identify each utility and its location.

The utilities shown in the following table will not be rearranged. The utilities may interfere with pile driving, drilling activities, or substructure construction. If you want any of them rearranged or temporarily deactivated, make arrangements with the utility owner.

Utilities Not Rearranged for Pile Driving, Drilling Activities, or Substructure Construction

Utility	Location

6. Use if utilities are to be exposed or protected in place during construction. Obtain a variance to policy from the Division of Design chief before using this paragraph. Identify each utility and its location.

The utilities shown in the following table may interfere with the work and must be exposed or protected in place. Make arrangements with the utility owner (1) to conduct or witness all exposures or (2) if you want any of them temporarily deactivated.

Utilities To Be Exposed or Protected in Place Construction

Utility	Location

###LK

7. Use if utility location information on the project plans is incomplete. Obtain a variance to policy from the Division of Design chief before using this paragraph. Identify each utility and its location.

Appropriate plan sheets must include the note " EXISTING UTILITY FACILITY INFORMATION IS INCOMPLETE."

If this note is used, include in Information Handout the reason utility information is incomplete.

Utility information shown is incomplete. Utility location activities must be concurrent with construction activities for the utilities shown in the following table. Make arrangements with the utility owners to coordinate utility location activities.

Utilities To Be Located During Construction

Utility	Location

8. Use this paragraph if the limits of excavation are flexible. Improvements may either be placed away from existing facilities, the Resident Engineer may introduce an appropriate mitigation to remedy the conflict, or the improvement can be deleted from the project. All existing facilities must be located concurrent with construction activities (e.g., street lighting, traffic signal and ramp metering, landscaping, MBGR, thrie beam and end treatments).

Obtain an exception (variance to policy) from the Division of Design, Chief before using this paragraph. When this paragraph is used, include a copy of the variance in the "Information Handout" and provide a copy of the variance to the Resident Engineer.

Appropriate plan sheets must include the note: "EXISTING UTILITY FACILITIES HAVE NOT BEEN INCLUDED ON THESE PLANS."

Utility information is not shown. Utility location activities must be concurrent with construction activities. Make arrangements with the utility owners to coordinate utility location activities. Mechanically actuated excavation must not be performed within 24 inches horizontally of the exterior surface of the subsurface facilities.

Sheet Number	INDEX OF SHEETS
1	Title and Location Map
2-3	Standard Plans List
4	Key Map and Line Index
5-22	Layouts
23-35	Construction Details
36-69	Utility Plans
70-76	Traffic Handling Plans
77-78	Construction Area Signs
79-80	Summary of Quantities
81	Sign Details
82-87	Retaining Wall Plans
88-202	Electrical Plans
203-209	Revised and New Standard Plans

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY IN LOS ANGELES COUNTY IN LOS ANGELES, BURBANK AND GLENDALE FROM ROUTE 101 TO ROUTE 210

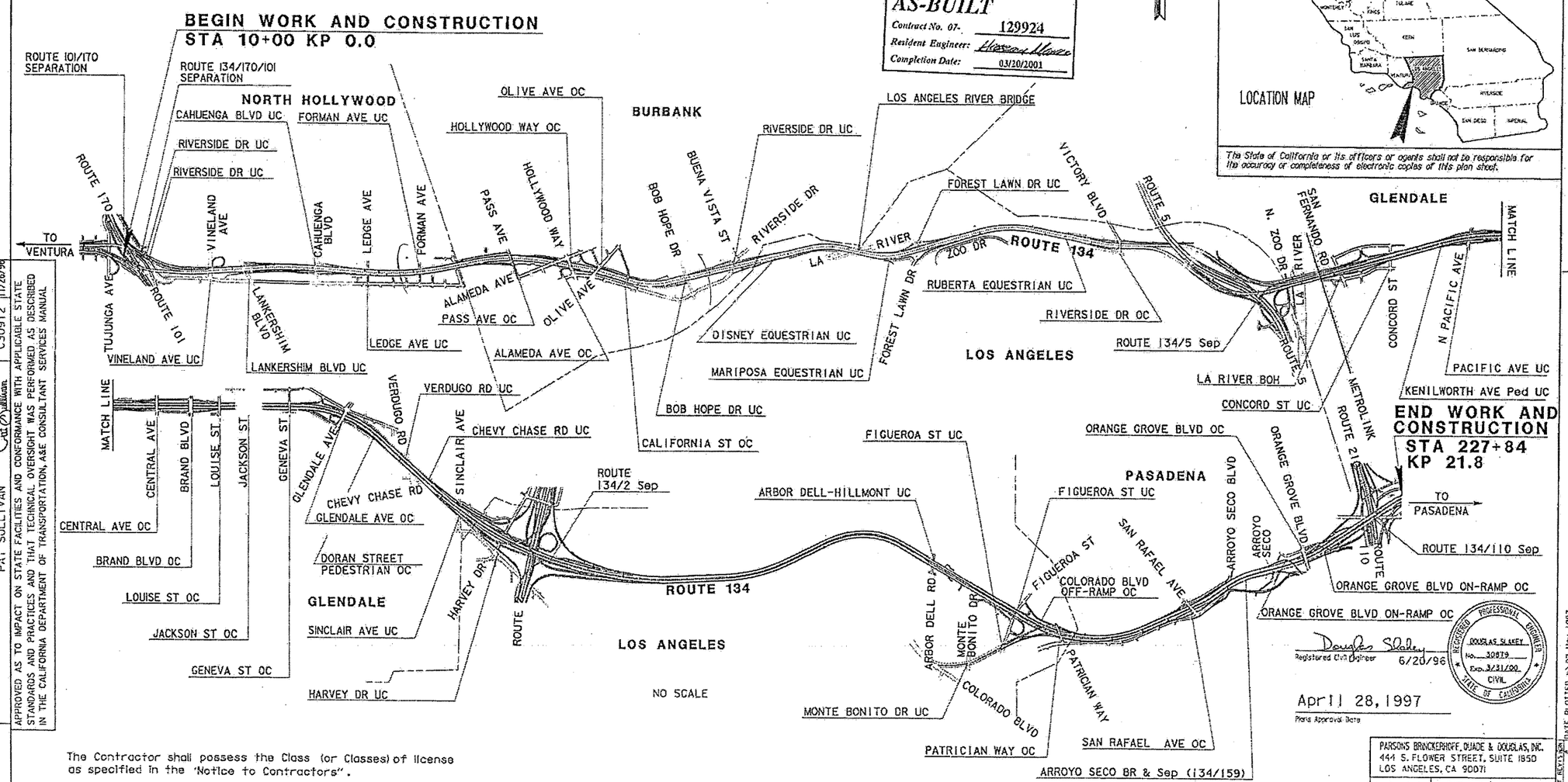
To be supplemented by Standard Plans dated July, 1995

Caltrans Metric

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	134	0.0/21.8	1	209

AS-BUILT
Contract No. 07- 129924
Resident Engineer: [illegible]
Completion Date: 03/20/2001

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.



The Contractor shall possess the Class (or Classes) of license as specified in the "Notice to Contractors".

Registered Civil Engineer 6/20/96

April 28, 1997
Plans Approval Date

REGISTERED PROFESSIONAL ENGINEER DOUGLAS SLAKEY No. 30879 Exp. 3/31/00 CIVIL STATE OF CALIFORNIA

PARSONS BRINCKERHOFF, QUADE & DOUGLAS, INC.
444 S. FLOWER STREET, SUITE 1850
LOS ANGELES, CA 90071

Contract No. 07-129924

APPROVED AS TO IMPACT ON STATE FACILITIES AND CONFORMANCE WITH APPLICABLE STATE STANDARDS AND PRACTICES AND THAT TECHNICAL OVERSIGHT WAS PERFORMED AS DESCRIBED IN THE CALIFORNIA DEPARTMENT OF TRANSPORTATION, A&E CONSULTANT SERVICES MANUAL

OFFICE OVERSIGHT APPROVAL: PAT SULLIVAN
REGISTRATION NO: C30912
DATE: 11/26/96
PROJECT PASADENA

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

USERNAME => trmikesl
DGN FILE => IESC-0E3712932201.pst

CU 07396
EA 129921

LAST REVISION 00-00-00
DATE PLOTTED => 02-May-1997
TIME PLOTTED => 07:10

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	134	0.0/21.8	88	209

Monica M. Suter 6/20/96
REGISTERED CIVIL ENGINEER

4-28-97
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MONICA SUTER No. C045591 Exp. 6-30-00 CIVIL STATE OF CALIFORNIA

PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.
444 S. FLOWER STREET, SUITE 1650
LOS ANGELES, CA 90071

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

GENERAL NOTES:

1. REFER TO SHEETS E-97 AND E-98 FOR A LISTING OF ROUTE 134 ELEMENTS.
2. ALL IRRIGATION CONTROLLERS ARE EXISTING UNLESS OTHERWISE NOTED ON THE PLANS.
3. ALL CONDUIT CONTAINING FIBER OPTIC CABLE SHALL ENTER PULL BOXES ON THE SHORT SIDE ONLY.
4. ALL PULL BOXES AND SPLICE VAULTS SHALL BE INSTALLED IN THE UNPAVED AREA IMMEDIATELY ADJACENT TO THE PAVED SHOULDER OR BEHIND MBGR. CONDUIT SHALL BE DIRECTED FROM THE SHOULDER TO THE BOXES WITH 22 ½ DEGREE BENDS.
5. REFER TO CONDUCTOR SCHEDULES ON PLANS FOR CONDUIT SIZES AND CONDUCTOR TYPES.
6. ALL NEW SERVICE EQUIPMENT ENCLOSURES SHALL ALSO HAVE:
   (1) 1P, 20 A BREAKER (SPARE)
   (1) 1P, 30 A BREAKER (SPARE)
   (1) 2P, (SPACE FOR FUTURE)
7. SIZE 103 CONDUITS TO BE INSTALLED IN PAVEMENT MAINTAINING 100 mm MINIMUM DISTANCE FROM EDGE OF TRAVELED WAY UNLESS OTHERWISE NOTED.
8. BEFORE REMOVING OR MODIFYING ANY EXISTING ELECTRICAL FACILITIES, THE CONTRACTOR SHALL GIVE 72 HOURS ADVANCE NOTICE IN WRITING TO THE ENGINEER.
9. SERVICE EQUIPMENT ENCLOSURE SHALL BE LOCATED 5 m MINIMUM FROM THE POWER POLE OR VAULT.
10. ELECTRICAL SERVICE INSTALLATION SHALL MEET THE REQUIREMENTS OF EITHER SOUTHERN CALIFORNIA EDISON COMPANY (SCE) OR LOS ANGELES DEPARTMENT OF WATER AND POWER (DWP).
11. CONDUCTORS FROM POWER POLE (OR VAULT) TO SERVICE ENCLOSURE WILL BE INSTALLED BY UTILITY COMPANY.
12. TRENCH FOR CONDUIT INSTALLATION BETWEEN POWER POLE (OR VAULT) AND SERVICE ENCLOSURE SHALL BE LEFT OPEN FOR INSPECTION AND APPROVAL BY SCE OR DWP INSPECTOR BEFORE BACKFILL.
13. STATIONS GIVEN ARE APPROXIMATE, EXACT EQUIPMENT AND POLE LOCATIONS TO BE DETERMINED BY ENGINEER.

AS-BUILT
Contract No. 07- 129924
Resident Engineer: MANNAA, H.
Completion Date: 03/20/2001

LEGEND: (NOT LISTED IN CALTRANS STANDARD PLANS)

- SPLICE VAULT
- DATA, VIDEO OR CABLE NODE TYPE 334-TV CABINET
- TYPE 334 - TV CABINET
- COMMUNICATION PULL BOX
- CCTV CAMERA ASSEMBLY AND POLE
- EXISTING CCTV CAMERA ASSEMBLY AND POLE
- EXISTING VAULT
- EXISTING SPLICE VAULT
- —E—E ELECTRICAL SERVICE CONDUIT(S)
- —C— COMMUNICATION CONDUIT(S)
- —e—e EXISTING ELECTRICAL SERVICE CONDUIT(S)
- EXISTING PIEZOELECTRIC OR AVC SENSORS
- OPTICAL FIBER CABLE

ABBREVIATIONS: (NOT LISTED IN CALTRANS STANDARD PLANS)

#	-	NUMBER
AVC	-	AUTOMATIC VEHICLE CLASSIFICATION SYSTEM
AWG	-	AMERICAN WIRE GAUGE
B/O	-	BREAKOUT
BOH	-	BRIDGE AND OVERHEAD
BPSD	-	BURBANK POWER SERVICES DEPARTMENT
CCR	-	CAMERA CONTROL RECEIVER
CIA	-	CONTROLLER INTERFACE ASSEMBLY
COAX	-	COAXIAL
COMM	-	COMMUNICATION
CTRL	-	CONTROLLER
DACCS	-	DIGITAL ACCESS AND CROSS CONNECTION SYSTEM
DEMARC	-	DEMARCATION
DEMUX	-	DEMULTIPLEX
DWP	-	LA DEPARTMENT OF WATER AND POWER
E/O	-	EAST OF
FDF	-	FIBER DISTRIBUTION FRAME
FDU	-	FIBER DISTRIBUTION UNIT
GPSD	-	GLENDALE POWER SERVICES DEPARTMENT
GTE	-	GENERAL TELEPHONE AND ELECTRIC
JKFD	-	JACKFIELD
KP	-	KILOMETER POST
LA	-	LOS ANGELES
MUX	-	MULTIPLEX
NHD	-	NORTH HOLLYWOOD
N/O	-	NORTH OF
OW	-	ORDER WIRE (MULTIPLE VOICE CIRCUIT)
P	-	PAIR
P22	-	PAIR 22 AMERICAN WIRE GAUGE
PAC BELL	-	PACIFIC BELL TELEPHONE COMPANY
PCMS	-	PASADENA CITY MUNICIPAL SERVICES
PDA	-	POWER DISTRIBUTION ASSEMBLY
PR	-	PAIR
RCVR	-	RECEIVER
RMC	-	RAMP METER CONTROLLER
RMS	-	RAMP METERING SYSTEM
RX	-	RECEIVE
SCE	-	SOUTHERN CALIFORNIA EDISON
SCGAS	-	SOUTHERN CALIFORNIA GAS COMPANY
SCWC	-	SOUTHERN CALIFORNIA WATER COMPANY
SMFO	-	SINGLEMODE FIBER OPTIC
S/O	-	SOUTH OF
TMS	-	TRAFFIC MONITORING STATION
TWP	-	TWISTED WIRE PAIR
TX	-	TRANSMIT
VE	-	VENTURA FREEWAY
VMX	-	VIDEO MULTIPLEXER
W/O	-	WEST OF
XCVR	-	TRANSCEIVER
XFMR	-	TRANSFORMER
XMTR	-	TRANSMITTER

TABLE 1 - CCTV CONTROL CABLE

CONDUCTOR TYPE	FUNCTION	QUANTITY
9P18 AWG CABLE	PAN/TILT CONTROL CABLE	1
12P18 AWG CABLE	CAMERA CONTROL CABLE	1
RG-6A/U COAX CABLE	CAMERA VIDEO INTERFACE CABLE	1

TABLE 2 - CMS CONTROL CABLE

CONDUCTOR TYPE	FUNCTION	QUANTITY
24P18 AWG CABLE *	CMS CONTROL CABLE *	1
6P18 AWG CABLE *	CMS CONTROL CABLE *	1

* STATE-FURNISHED CABLES.

CCTV AND COMMUNICATION SYSTEM (LEGEND AND NOTES)

NO SCALE

E-1

DATE	REVISED BY	DATE	REVISED BY
6/96	MMS	6/96	DS

DATE REVISED

CALCULATED/DESIGNED BY MMS
CHECKED BY DS

PROJECT ENGINEER PAT SULLIVAN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
TIME PLOTTED => 07-May-1997 09:04

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DGN FILE => [ESC-DE]712992U01.dgn

CU 07396 EA 129921

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	134	0.0/21.8	93	209

Monica M. Suter 6/20/96
REGISTERED CIVIL ENGINEER

4-28-97
PLANS APPROVAL DATE

PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.
444 S. FLOWER STREET, SUITE 1850
LOS ANGELES, CA 90071

REGISTERED PROFESSIONAL ENGINEER MONICA SUTER No. C048591 Exp. 6-30-00 CIVIL STATE OF CALIFORNIA

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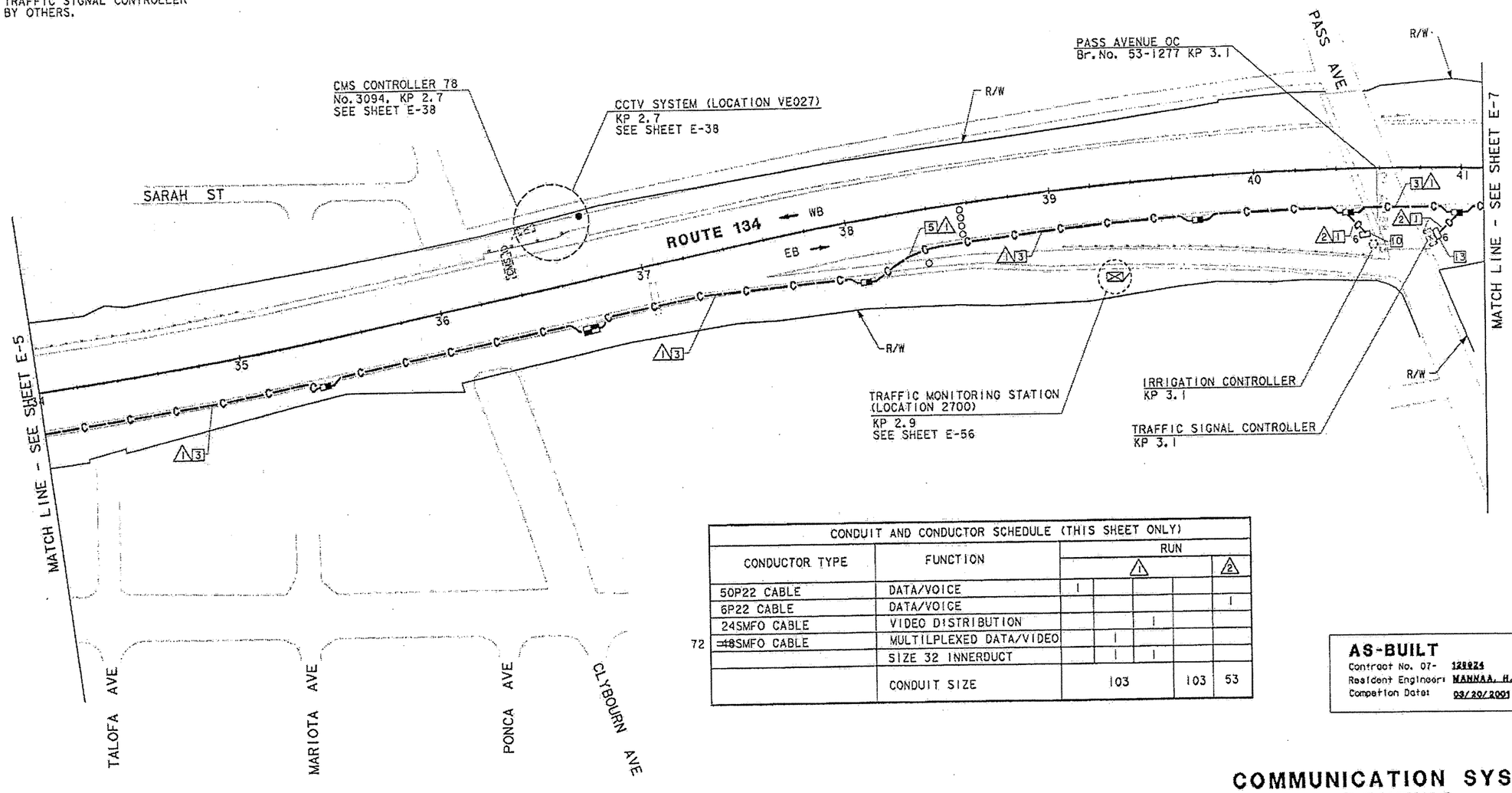
NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUIT IN SOIL.
3. TRENCH AND INSTALL CONDUIT IN ASPHALT.
5. JACK CONDUIT BENEATH ROADWAY. SEE SHEET C-7 FOR DETAILS.
10. COIL 10 m OF 6P22 IN PULL BOX FOR FUTURE CONNECTION TO IRRIGATION CONTROLLER BY OTHERS.
13. COIL 10 m OF 6P22 IN PULL BOX FOR FUTURE CONNECTION TO TRAFFIC SIGNAL CONTROLLER BY OTHERS.



CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)						
CONDUCTOR TYPE	FUNCTION	RUN 1				RUN 2
50P22 CABLE	DATA/VOICE	1				
6P22 CABLE	DATA/VOICE					1
24SMFO CABLE	VIDEO DISTRIBUTION			1		
72 ~~48~~SMFO CABLE	MULTILPLEXED DATA/VIDEO		1			
	SIZE 32 INNERDUCT		1	1		
	CONDUIT SIZE	103			103	53

AS-BUILT
Contract No. 07- 129924
Resident Engineer: MANNAA, H.
Completion Date: 03/20/2001

COMMUNICATION SYSTEM ROUTING

SCALE: 1:1000

E-6

NOTE: THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.
SEE SHEET E-1 FOR LEGEND AND PROJECT NOTES.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

PROJECT ENGINEER: PAT SULLIVAN
CALCULATED/DESIGNED BY: MM DATE 6/96
CHECKED BY: MMS 6/96
REVISED BY
DATE REVISED

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CU 07396 EA 129921

LAST REVISION

USER: HHuynh@T7NT6044 FILE: I:\projects\129921_ua\ab\712992u06.dgn DATE: Fri Apr 27 2001 TIME: 09:54

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	134	0.0/21.8	94	209

Monica R. Suter 6/20/96
REGISTERED CIVIL ENGINEER

4-28-97
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MONICA SUTER No. C048591 EXP. 6-30-00 CIVIL STATE OF CALIFORNIA

PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.
444 S. FLOWER STREET, SUITE 1850
LOS ANGELES, CA 90071

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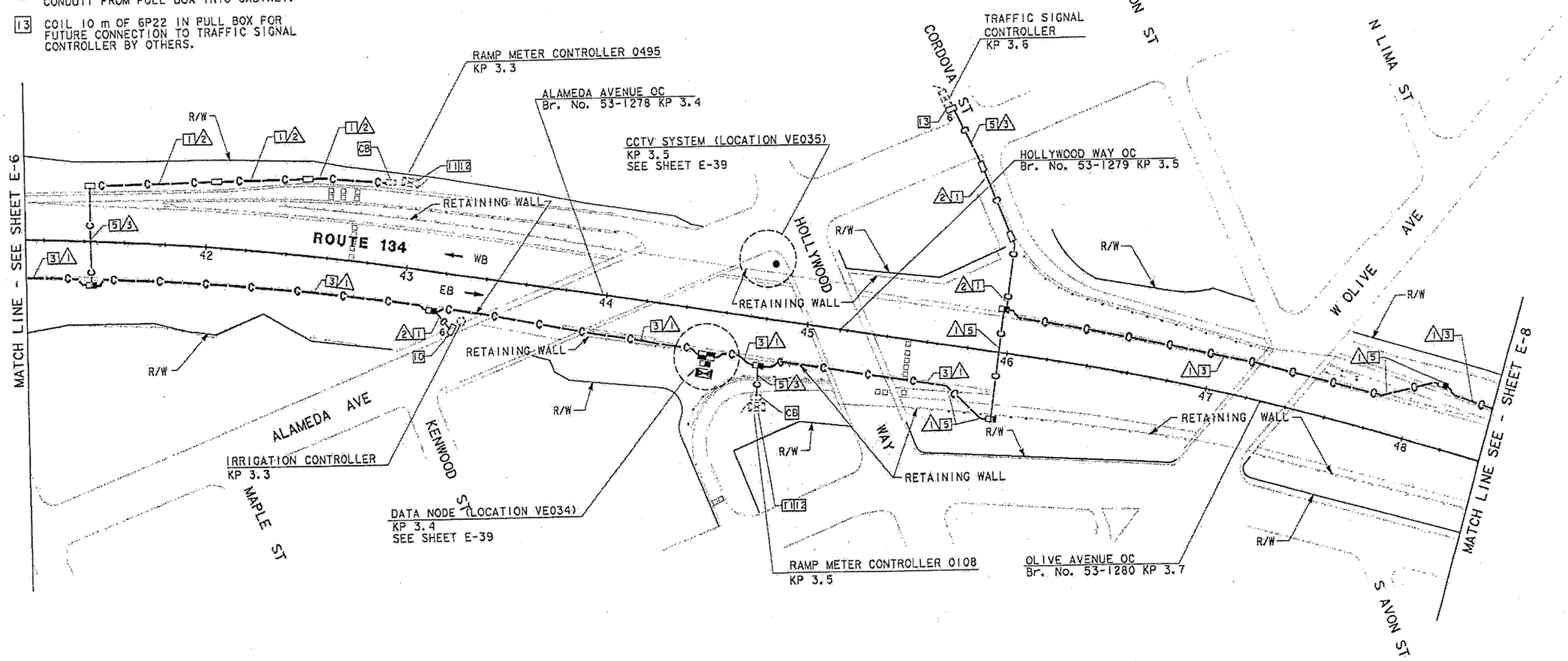
13. COIL 10 m OF 6P22 IN PULL BOX FOR FUTURE CONNECTION TO TRAFFIC SIGNAL CONTROLLER BY OTHERS.

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

CONDUCTOR TYPE	FUNCTION	RUN 1				2	3
50P22 CABLE	DATA/VOICE	1					
6P22 CABLE	DATA/VOICE					1	1
24SMFO CABLE	VIDEO DISTRIBUTION			1			
72 ~~48~~SMFO CABLE	MULTIPLEXED DATA/VIDEO		1				
	SIZE 32 INNERDUCT		1	1			
	CONDUIT SIZE	103			103	53	78



AS-BUILT
Contract No. 07- 129924
Resident Engineer: NANNAA, H.
Completion Date: 03/20/2001

COMMUNICATION SYSTEM ROUTING

SCALE: 1:1000

E-7

NOTE: THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.
SEE SHEET E-1 FOR LEGEND AND PROJECT NOTES.

DATE	REVISED BY	DATE	REVISED BY
6/96	MM	6/96	MMS

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CHECKED BY MMS

PROJECT ENGINEER PAT SULLIVAN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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DGN FILE => $$$$$$$$$$DGNSPEC$$$$$$$$$$

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USERID: HMuvnn@T7NT6044 FILE: f:\projects\129921_ua\ab\712992u08.dgn DATE: Fri Apr 27 2001 TIME: 09:53

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	134	0.0/21.8	95	209

Monica M. Suter 6/20/96
REGISTERED CIVIL ENGINEER

4-28-97
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MONICA SUTER No. C046591 Exp. 6-30-00 CIVIL STATE OF CALIFORNIA

PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.
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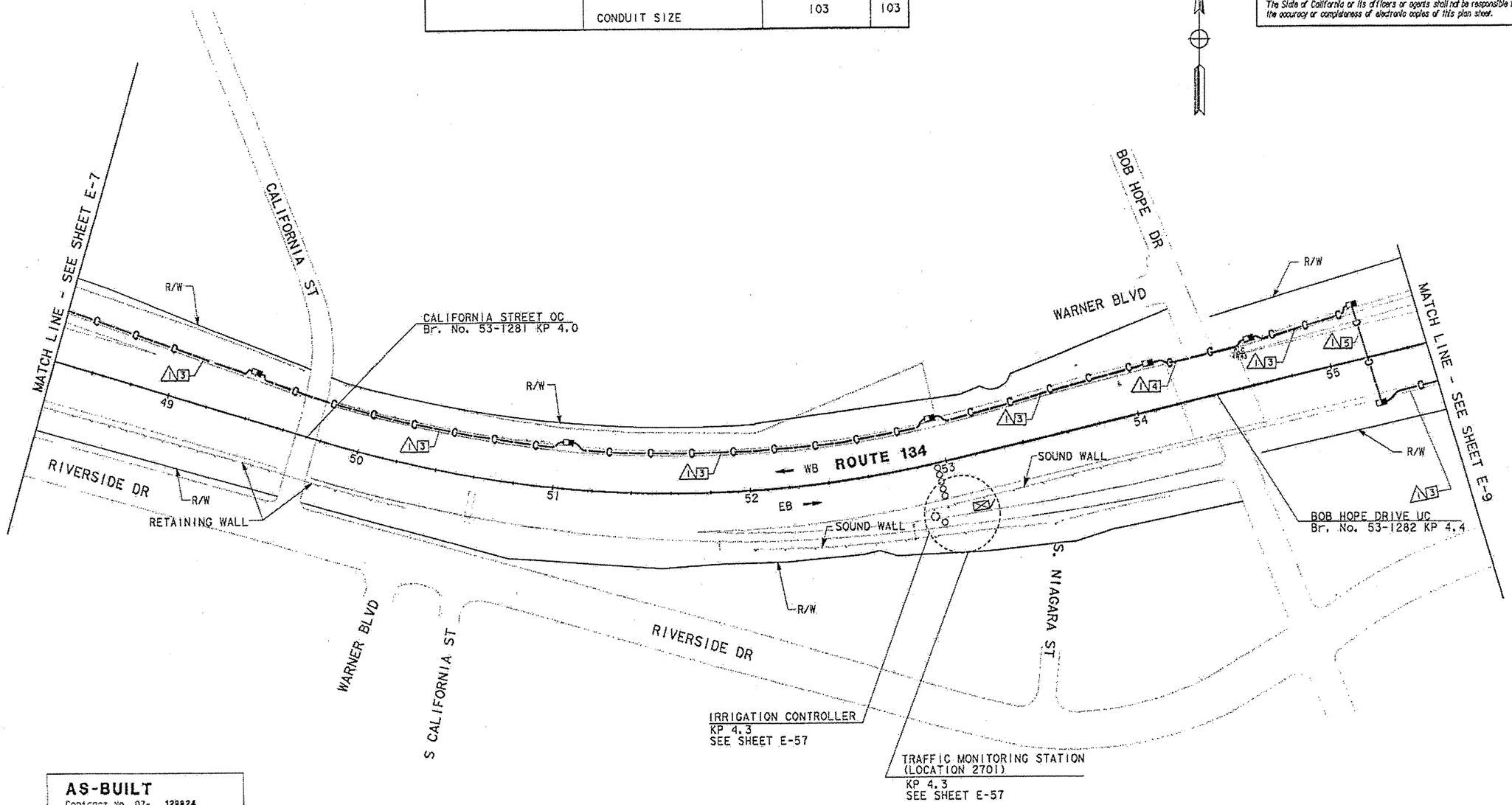
CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

CONDUCTOR TYPE	FUNCTION	RUN △1			
50P22 CABLE	DATA/VOICE	1			
24SMFO CABLE	VIDEO DISTRIBUTION			1	
72 ~~48~~SMFO CABLE	MULTIPLEXED DATA/VIDEO		1		
	SIZE 32 INNERDUCT		1	1	
	CONDUIT SIZE		103		103



AS-BUILT
Contract No. 07- 129924
Resident Engineer: MANNAA, H.
Completion Date: 03/20/2001

COMMUNICATION SYSTEM ROUTING

SCALE: 1:1000

NOTE: THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.
SEE SHEET E-1 FOR LEGEND AND PROJECT NOTES.

E-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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PROJECT ENGINEER: PAT SULLIVAN

CALCULATED/DESIGNED BY	MM	DATE 6/96	REVISED BY
CHECKED BY	MMS	6/96	DATE REVISED

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USERNAME => $$$$$$USER$$$$$$
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CU 07396 EA 129921

USERID: HMuvnn@T7NT6044 FILE: f:\projects\129921_ua\ab\712992u08.dgn DATE: Fri Apr 27 2001 TIME: 09:53

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	134	0.0/21.8	96	209

Monica Suter 6/20/96
REGISTERED CIVIL ENGINEER

4-28-97
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MONICA SUTER No. C048591 Exp. 6-30-00 CIVIL STATE OF CALIFORNIA

PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.
444 S. FLOWER STREET, SUITE 1850
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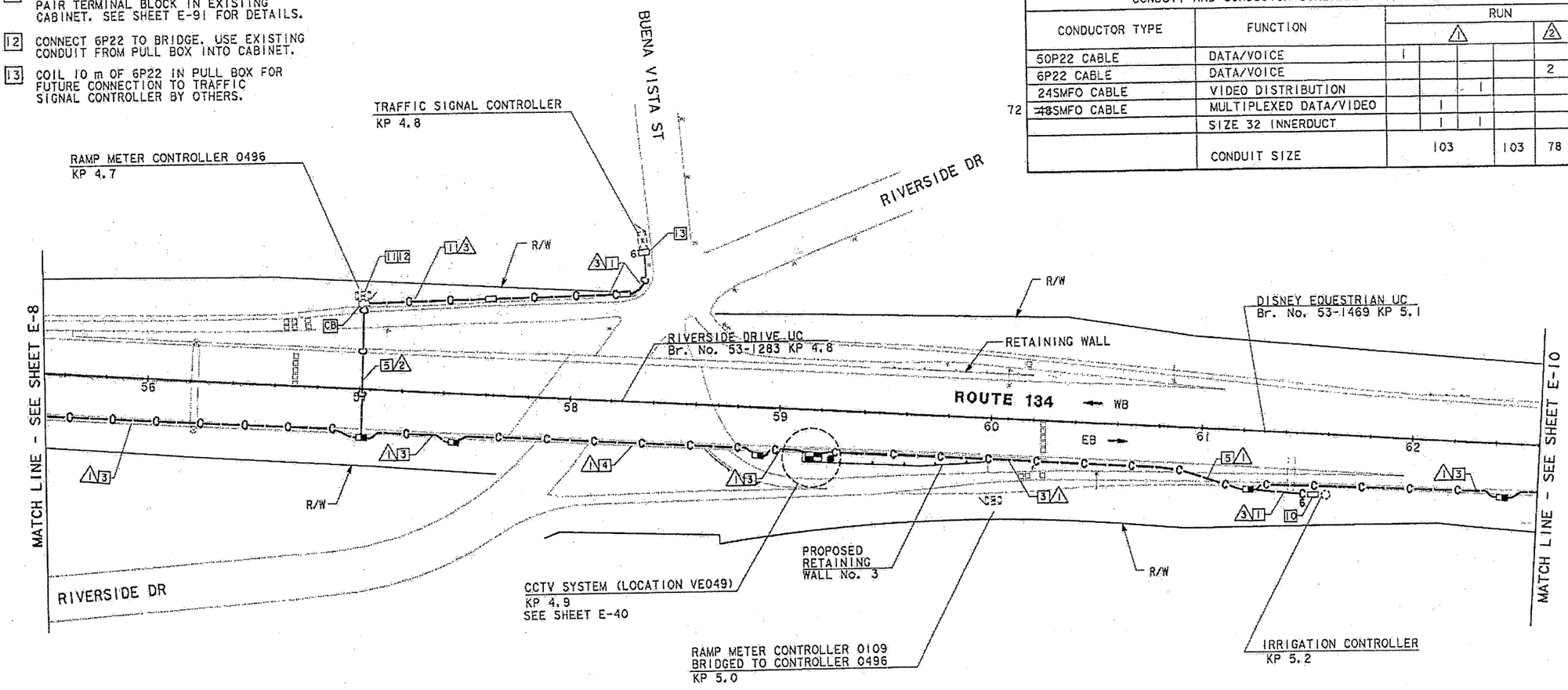
CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

CONDUCTOR TYPE	FUNCTION	RUN 1				RUN 2	RUN 3
50P22 CABLE	DATA/VOICE	1					
6P22 CABLE	DATA/VOICE					2	1
24SMFO CABLE	VIDEO DISTRIBUTION			1			
72 ~~48~~SMFO CABLE	MULTIPLEXED DATA/VIDEO		1				
	SIZE 32 INNERDUCT		1	1			
	CONDUIT SIZE	103			103	78	53



AS-BUILT
Contract No. 07- 129224
Resident Engineer: MANNAA, H.
Completion Date: 03/20/2001

COMMUNICATION SYSTEM ROUTING

SCALE: 1:1000

NOTE: THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.
SEE SHEET E-1 FOR LEGEND AND PROJECT NOTES.

E-9

DATE	REVISED BY	DATE	REVISED
6/96	MM	6/96	MMS

CALCULATED/DESIGNED BY MM
CHECKED BY MMS

PROJECT ENGINEER PAT SULLIVAN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
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