INFORMATION HANDOUT

For Contract No. 07-1W7204
At 07-LA-134-0.0/R6.1

Identified by
Project ID 0713000051

MATERIALS INFORMATION

Fiber Optic System As-Built Drawings

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

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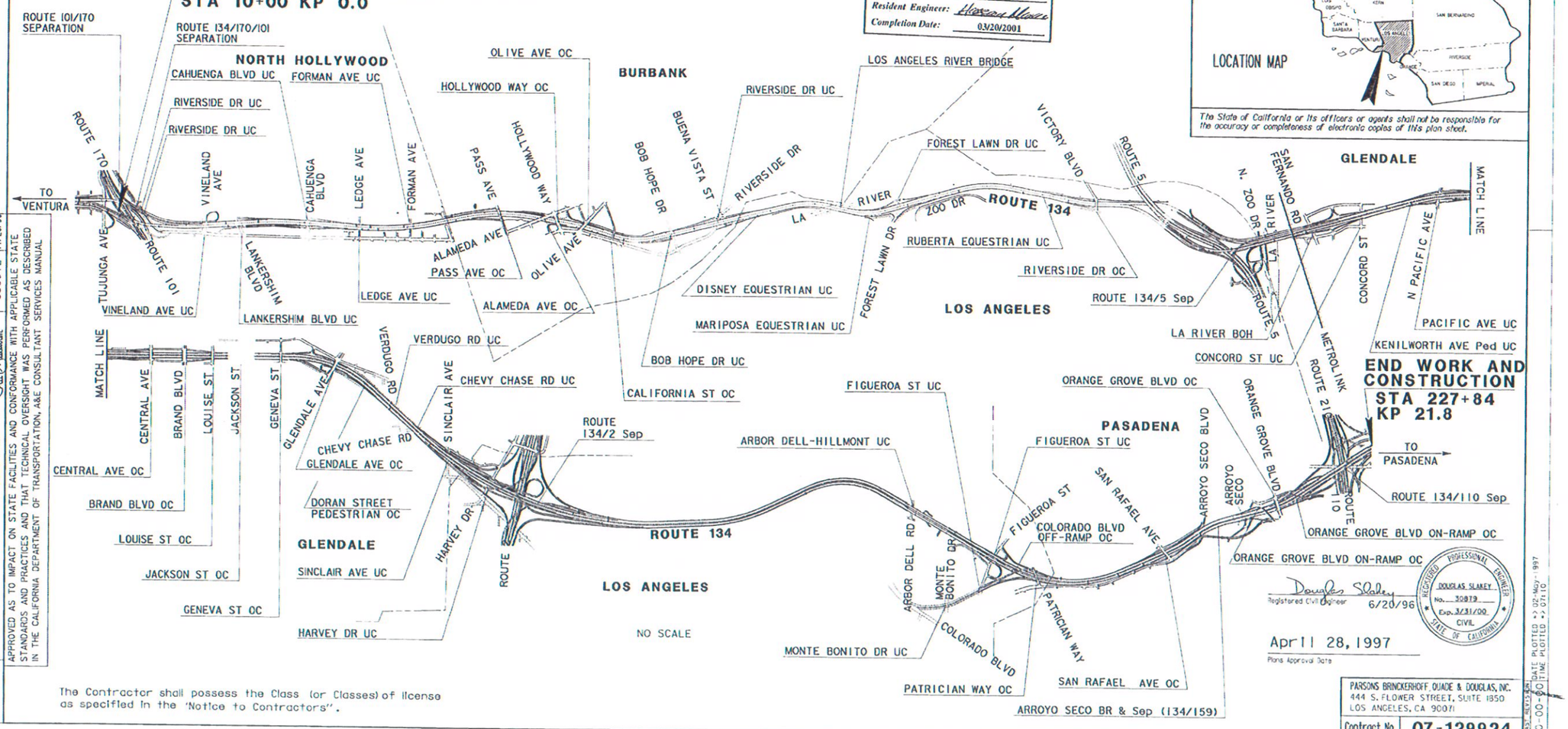
AS-BUILT
Contract No. 07- 129924
Resident Engineer: Hassan Mirza
Completion Date: 03/20/2001

BEGIN WORK AND CONSTRUCTION
STA 10+00 KP 0.0



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

DESIGN OVERSIGHT APPROVAL: PAT SULLIVAN — REGISTRATION NO. C30912 — DATE 11/26/96

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

PROJECT ENGINEER

Douglas Slakey
Registered Civil Engineer 6/20/96

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

April 28, 1997
Plans Approval Date

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

Contract No. 07-129924

FED'N DOCUMENT 999PPF (REV. 3/88)

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

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DGN FILE => (ESC-OE17)2992d01.psf

CU 07396 EA 129921

LAST REVISION 00-00-00 DATE PLOTTED => 02-May-1997 TIME PLOTTED => 07:16

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) IP, 20 A BREAKER (SPARE)
   (1) IP, 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.

Caltrans Metric

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. 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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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
6/96 MMS | 6/96 DS
CALCULATED/DESIGNED BY
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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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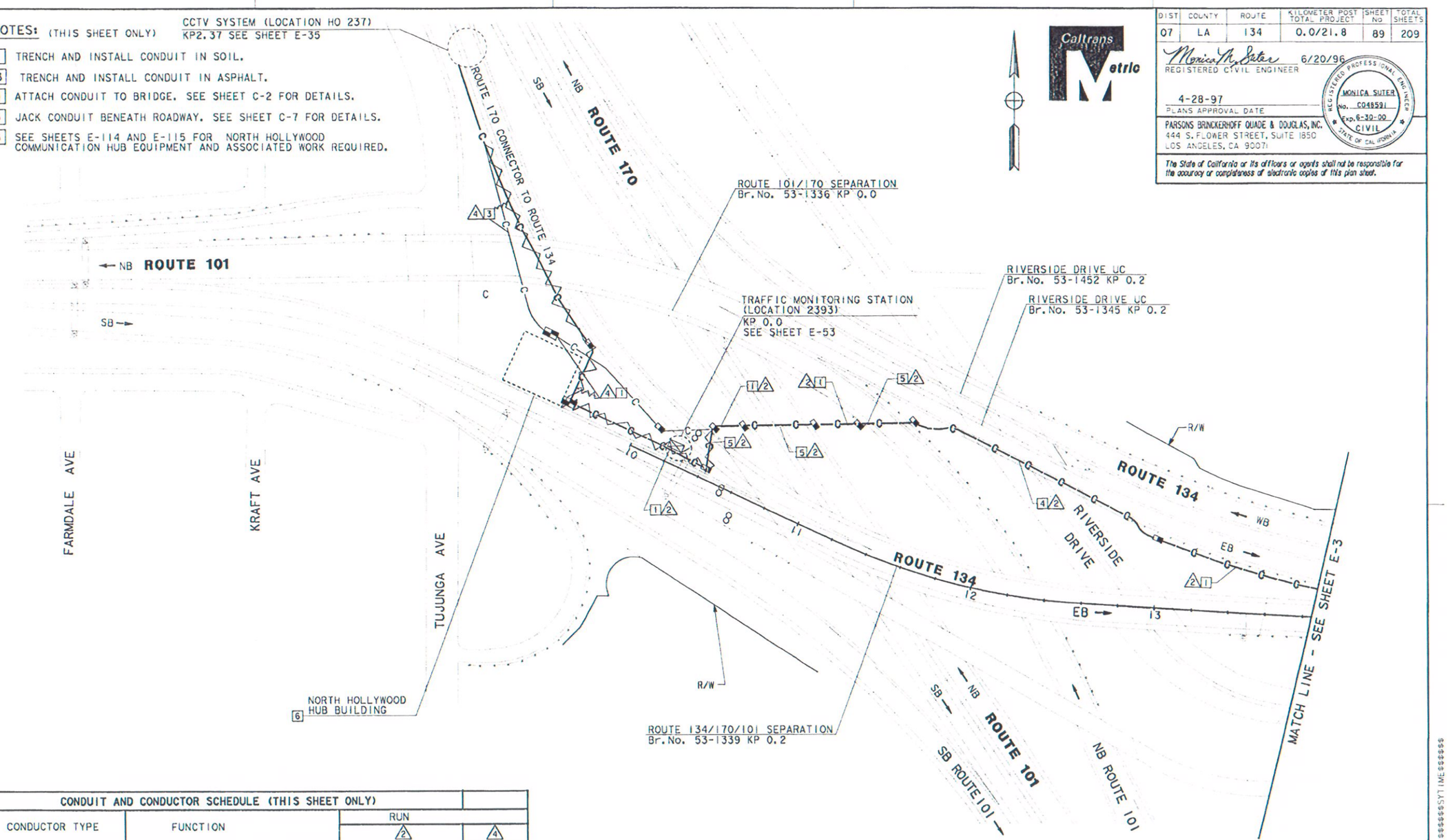
DGN FILE => [ESC-0E]712992u0.psf

CU 07396 | EA 129921

USER ID: HHJvnh@T7NT6044 FILE: f:\projects\129921_ug\ab\712992u02.dgn DATE: Fri Apr 27 2001 TIME: 07:52

NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUIT IN SOIL.
3. TRENCH AND INSTALL CONDUIT IN ASPHALT.
4. ATTACH CONDUIT TO BRIDGE. SEE SHEET C-2 FOR DETAILS.
5. JACK CONDUIT BENEATH ROADWAY. SEE SHEET C-7 FOR DETAILS.
6. SEE SHEETS E-114 AND E-115 FOR NORTH HOLLYWOOD COMMUNICATION HUB EQUIPMENT AND ASSOCIATED WORK REQUIRED.



CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)					
CONDUCTOR TYPE	FUNCTION	RUN 2		RUN 4	
50P22 CABLE	DATA/VOICE	1			
48SMFO CABLE	MULTIPLEXED DATA/VIDEO TO HUB		1		
	SIZE 32 INNERDUCT		1		1
2SMFO B/O CABLE	SHORT HAUL VIDEO				1
6P22	DATA/VOICE			1	
	CONDUIT SIZE	103	103	78	

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

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

COMMUNICATION SYSTEM ROUTING

SCALE: 1:1000

E-2

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	134	0.0/21.8	89	209

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

4-28-97
PLANS APPROVAL DATE

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

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

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

CALCULATED/DESIGNED BY
CHECKED BY

PROJECT ENGINEER
PAT SULLIVAN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

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DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	134	0.0/21.8	90	209

Monica M. 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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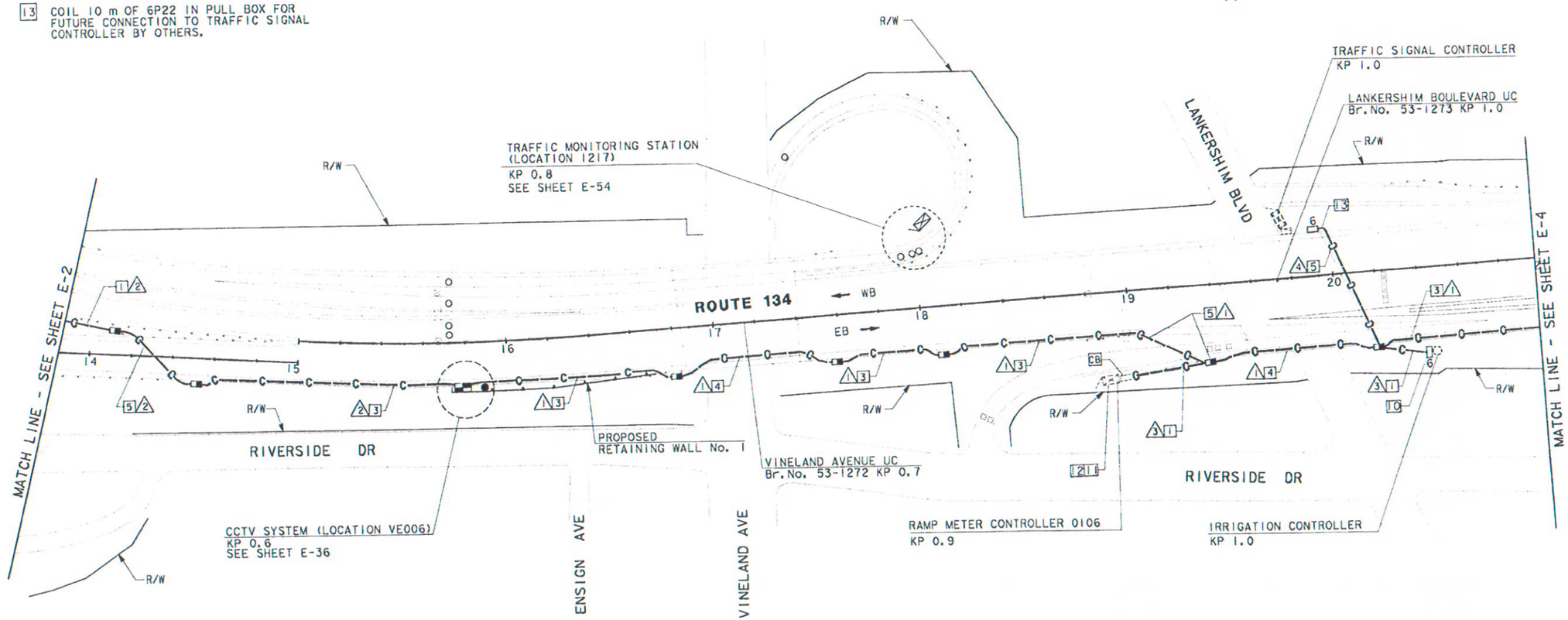
Caltrans Metric

NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUIT IN SOIL.
3. TRENCH AND INSTALL CONDUIT IN ASPHALT.
4. ATTACH CONDUIT TO BRIDGE. SEE SHEET C-2 FOR DETAILS.
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.
11. INSTALL TELEPHONE BRIDGE AND 12 PAIR TERMINAL BLOCK IN EXISTING CABINET. SEE SHEET E-91 FOR DETAILS.
12. CONNECT 6P22 TO BRIDGE. USE EXISTING CONDUIT FROM PULL BOX INTO CABINET.
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	RUN 3	RUN 4
50P22 CABLE	DATA/VOICE	1	1		
6P22 CABLE	DATA/VOICE			1	1
24SMFO CABLE	VIDEO DISTRIBUTION	1			
72 ~~48~~SMFO CABLE	MUTIPLEXED DATA/VIDEO	1	1		
	SIZE 32 INNERDUCT	1 1	1 1		
	CONDUIT SIZE	103 103	103 103	53	78



AS-BUILT
Contract No. 07- 129924
Resident Engineer: MANNAA, H.
Completion Date: 09/20/2001

COMMUNICATION SYSTEM ROUTING

SCALE: 1:1000

E-3

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

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

PROJECT ENGINEER: PAT SULLIVAN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

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DGN FILE => $$$$$$$$$$DGNSPEC$$$$$$$$$$

CU 07396 EA 129921

LAST REVISION TIME PLOTTED => %%%%%SYTIME$$$$$$

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DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	134	0.0/21.8	91	209

Monica M. 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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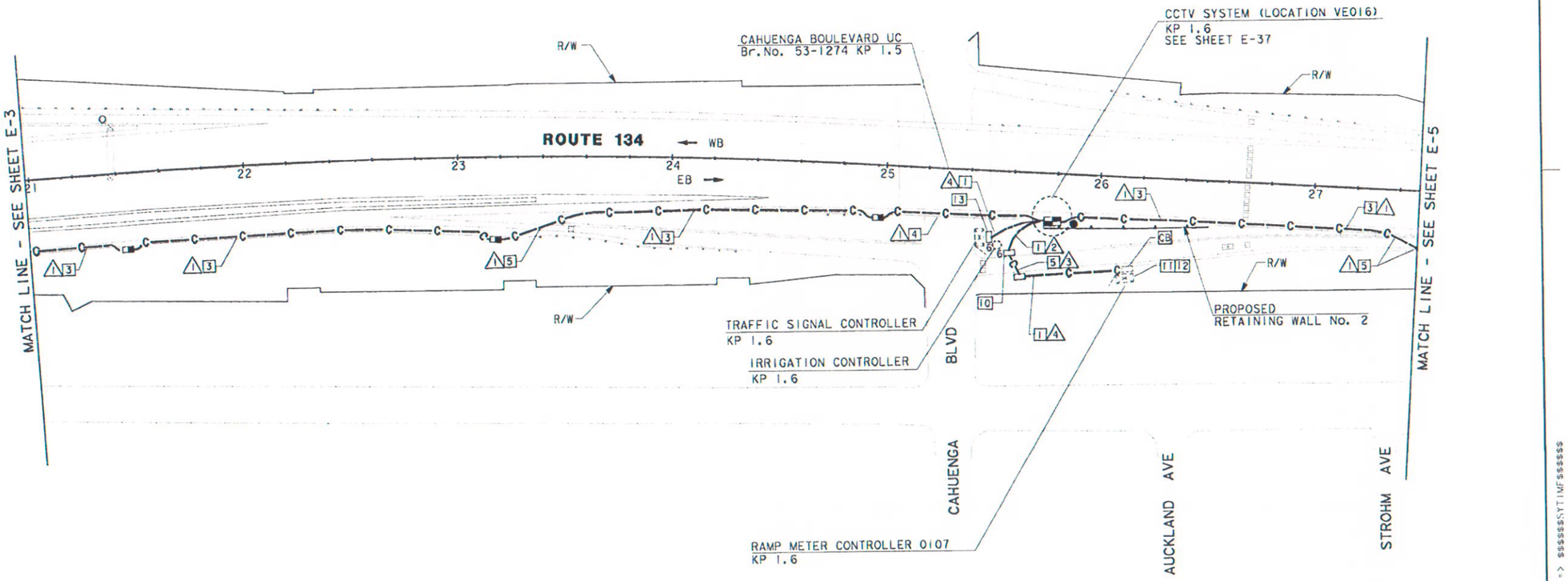
10. COIL 10 m OF 6P22 IN PULL BOX FOR FUTURE CONNECTION TO IRRIGATION CONTROLLER BY OTHERS.
11. INSTALL TELEPHONE BRIDGE AND 12 PAIR TERMINAL BLOCK IN EXISTING CABINET. SEE SHEET E-91 FOR DETAILS.
12. CONNECT 6P22 TO BRIDGE. USE EXISTING CONDUIT FROM PULL BOX INTO CABINET.
13. COIL 10 m OF 6P22 IN PULL BOX FOR FUTURE CONNECTION TO TRAFFIC SIGNAL CONTROLLER BY OTHERS.

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

CONDUCTOR TYPE	FUNCTION	RUN 1				RUN 2	RUN 3	RUN 4
50P22 CABLE	DATA/VOICE	1						
6P22 CABLE	DATA/VOICE					2	1	1
24SMFO CABLE	VIDEO DISTRIBUTION			1				
72 ~~48~~MFO CABLE	MULTIPLEXED DATA/VIDEO		1					
	SIZE 32 INNERDUCT		1	1				
	CONDUIT SIZE		103		103	53	78	53



COMMUNICATION SYSTEM ROUTING

SCALE: 1:1000

E-4

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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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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

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DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	134	0.0/21.8	92	209

Monica M. 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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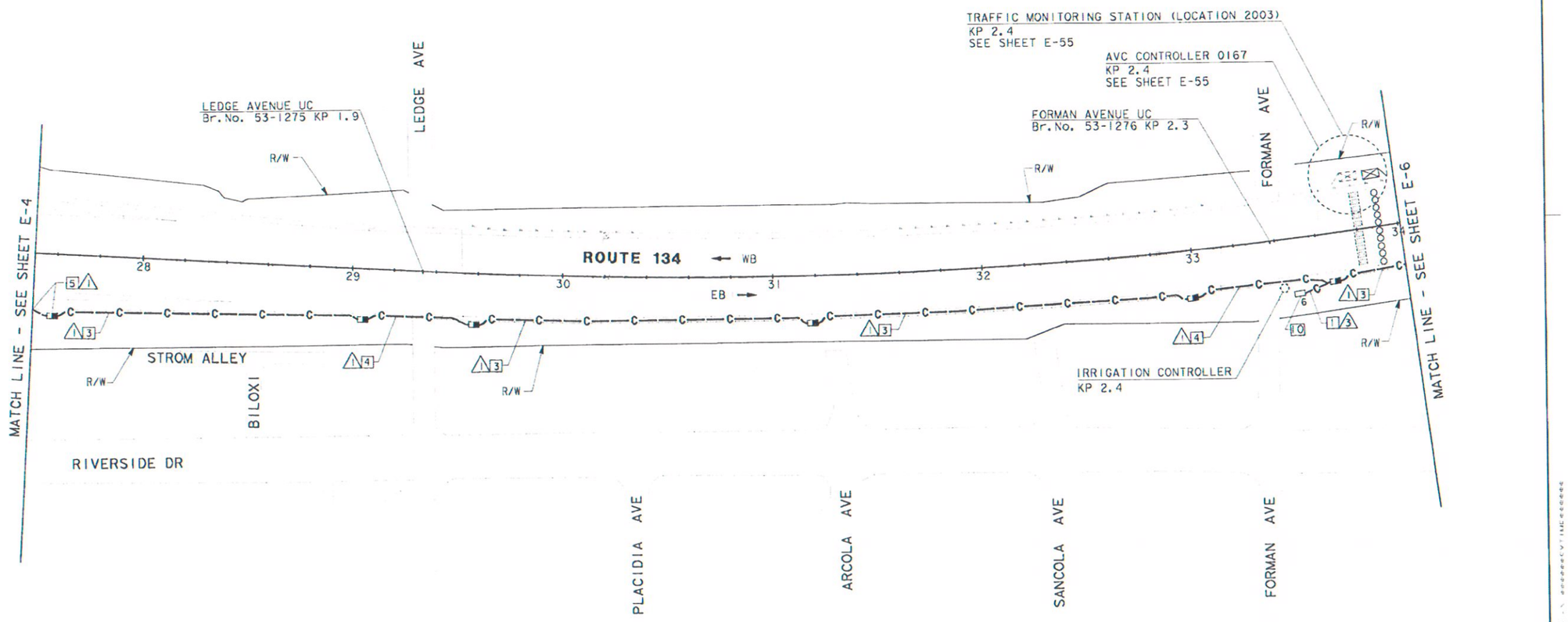
10. COIL 10 m OF 6P22 IN PULL BOX FOR FUTURE CONNECTION TO IRRIGATION CONTROLLER BY OTHERS.

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

CONDUCTOR TYPE	FUNCTION	RUN 1				3
50P22 CABLE	DATA/VOICE	1				
6P22 CABLE	DATA/VOICE					1
24SMFO CABLE	VIDEO DISTRIBUTION			1		
48SMFO CABLE	MULTIPLEXED 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-5

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

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

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CU 07396 EA 129921

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

PROJECT ENGINEER PAT SULLIVAN

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

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

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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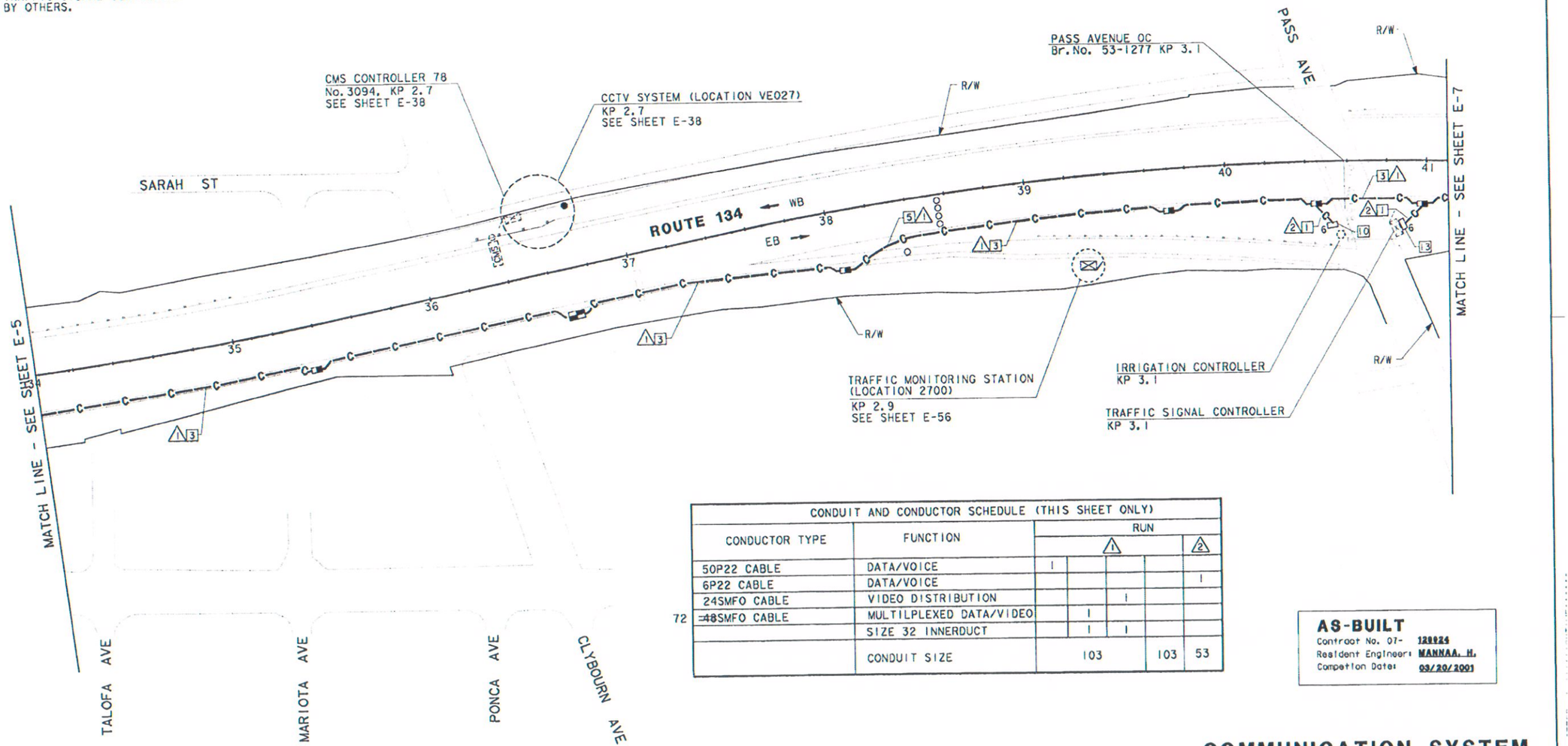

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

CONDUCTOR TYPE	FUNCTION	RUN ⚠1				RUN ⚠2
50P22 CABLE	DATA/VOICE	1				
6P22 CABLE	DATA/VOICE					1
24SMFO CABLE	VIDEO DISTRIBUTION			1		
72 =48SMFO 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

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

E-6

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

PROJECT ENGINEER: PAT SULLIVAN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

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CU 07396 EA 129921

LAST REVISION

USER ID: HHuynh@T7NT6044 FILE: f:\projects\129921_ua\ab\712992u07.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	94	209

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

4-28-97
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — MONICA SUTER — No. CO48591 — Exp. 6-30-00 — CIVIL — STATE OF CALIFORNIA

PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.
444 S. FLOWER STREET, SUITE 850
LOS ANGELES, CA 90071

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

CALCULATED/DESIGNED BY
CHECKED BY

PROJECT ENGINEER
PAT SULLIVAN

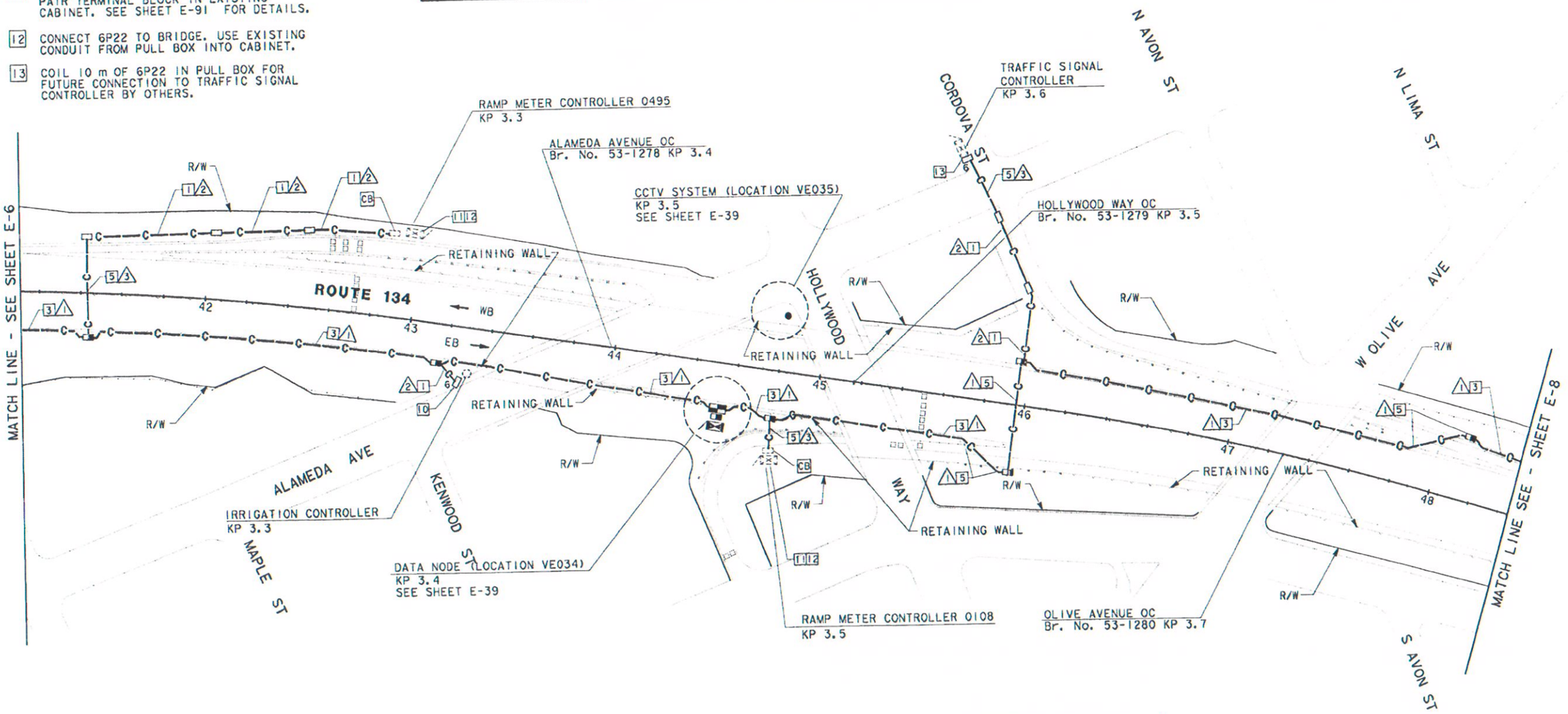
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

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.
11. INSTALL TELEPHONE BRIDGE AND 12 PAIR TERMINAL BLOCK IN EXISTING CABINET. SEE SHEET E-91 FOR DETAILS.
12. CONNECT 6P22 TO BRIDGE. USE EXISTING CONDUIT FROM PULL BOX INTO CABINET.
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 48SMFO CABLE	MULTIPLEXED DATA/VIDEO		1			
	SIZE 32 INNERDUCT		1	1		
	CONDUIT SIZE	103		103	53	78



AS-BUILT
Contract No. 07- 129924
Resident Engineer: MANNAA, 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.

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

USERNAME => $$$$$$USER$$$$$$
DGN FILE => $$$$$$$$$$DGNSPEC$$$$$$$$$$

CU 07396 EA 129921

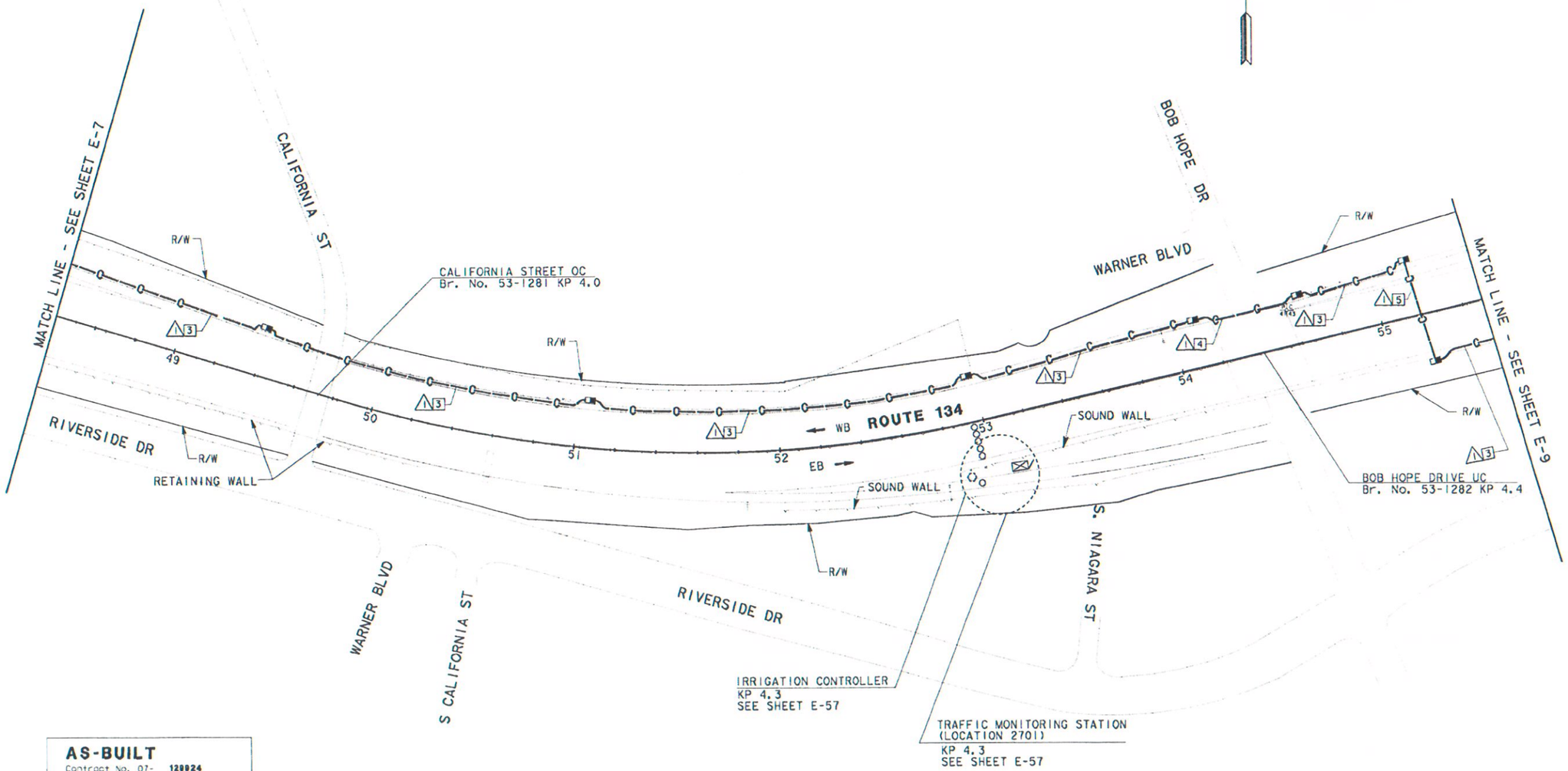
USER ID: HHuynh@T7NT6044 FILE: f:\projects\129921_ua\ab\712992u07.dgn DATE: Fri Apr 27 2001 TIME: 09:53

USER ID: HHuynh@T7NT6044 FILE: f:\projects\129921_ug\ab\712992u08.dgn DATE: Fri Apr 27 2001 TIME: 09:53

NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUIT IN SOIL.
3. TRENCH AND INSTALL CONDUIT IN ASPHALT.
4. ATTACH CONDUIT TO BRIDGE. SEE SHEET C-2 FOR DETAILS.
5. JACK CONDUIT BENEATH ROADWAY. SEE SHEET C-7 FOR DETAILS.

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: 09/20/2001

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

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. 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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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

PROJECT ENGINEER: PAT SULLIVAN

DATE REVISED	BY	DATE REVISED	BY
6/96	MM	6/96	NMS

CALCULATED/DESIGNED BY
CHECKED BY

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

USERNAME => $$$$$$USER$$$$$$
DGN FILE => $$$$$$$$$$DGNSPEC$$$$$$$$$$

CU 07396 EA 129921

LAST REVISION TIME PLOTTED => $$$$$CYTIME$$$$$

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

Monica M. 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

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

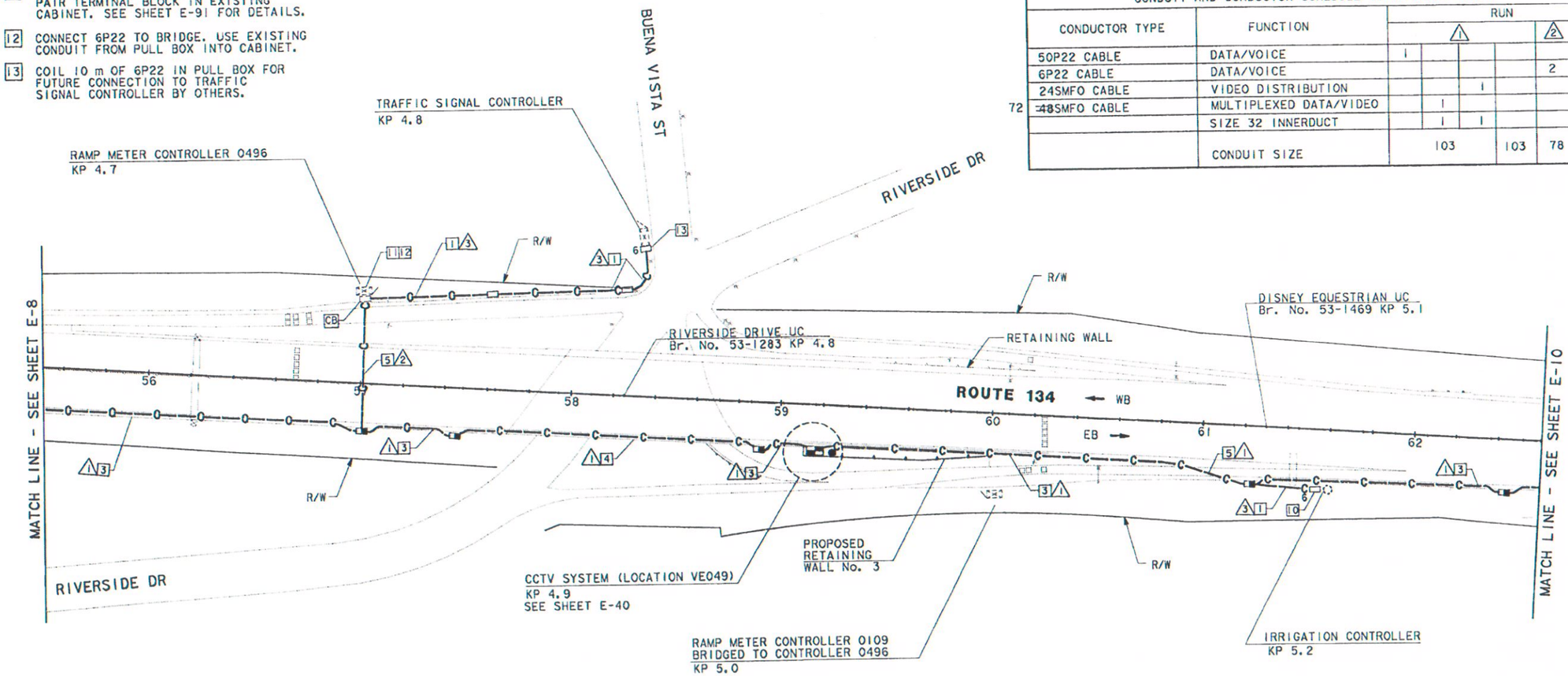
NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUIT IN SOIL.
3. TRENCH AND INSTALL CONDUIT IN ASPHALT.
4. ATTACH CONDUIT TO BRIDGE. SEE SHEET C-2 FOR DETAILS.
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.
11. INSTALL TELEPHONE BRIDGE AND 12 PAIR TERMINAL BLOCK IN EXISTING CABINET. SEE SHEET E-91 FOR DETAILS.
12. CONNECT 6P22 TO BRIDGE. USE EXISTING CONDUIT FROM PULL BOX INTO CABINET.
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	RUN 3
50P22 CABLE	DATA/VOICE	1					
6P22 CABLE	DATA/VOICE					2	1
24SMFO CABLE	VIDEO DISTRIBUTION			1			
48SMFO CABLE	MULTIPLEXED DATA/VIDEO		1				
	SIZE 32 INNERDUCT		1	1			
	CONDUIT SIZE	103			103	78	53

72



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

COMMUNICATION SYSTEM ROUTING

SCALE: 1:1000

E-9

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

CALCULATED/ DESIGNED BY	CHECKED BY	PROJECT ENGINEER
MM	MMS	PAT SULLIVAN

REVISED BY	DATE	DATE REVISED
	6/96	6/96

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

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

USERNAME => $$$$$$USER$$$$$$
DGN FILE => $$$$$$$$$$DGNSPEC$$$$$$$$$$

CU 07396 EA 129921

LAST REVISION 00-00-00 TIME PLOTTED => $$$$$$$SYTIME$$$$$$$

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USER ID HHuynh@T7NT6044 FILE f:\projects\129921_ua\ab\712992u10.dgn DATE Fri Apr 27 2001 TIME 09:52

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	134	0.0/21.8	97	209

Monica M. 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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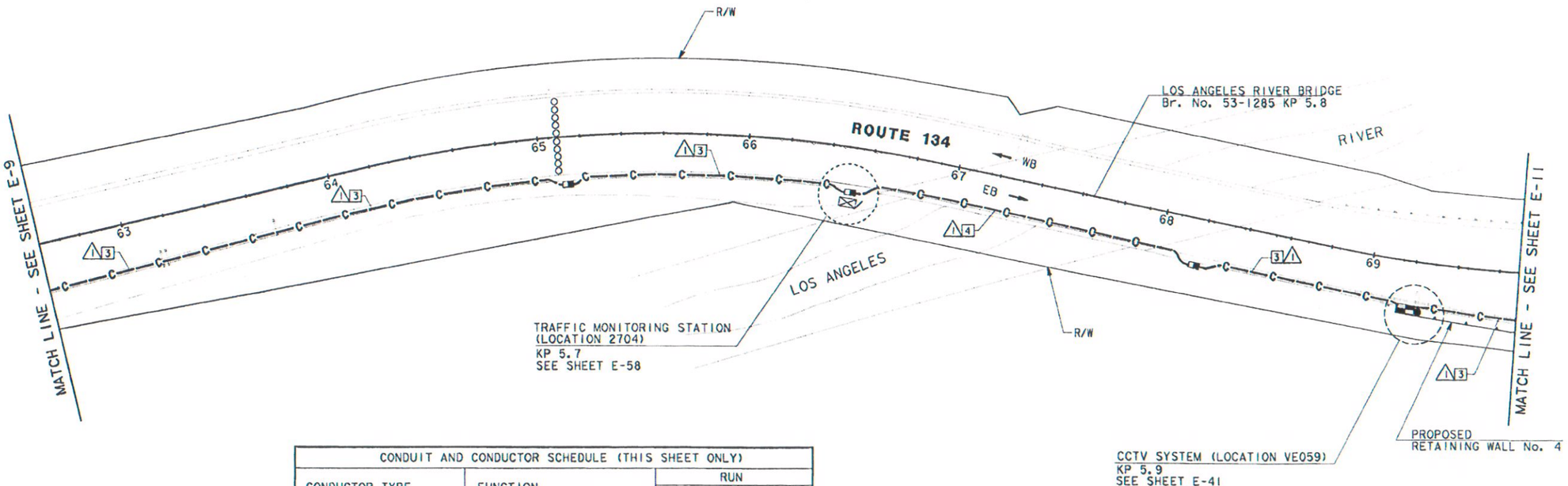
Caltrans Metric

NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUIT IN SOIL.
3. TRENCH AND INSTALL CONDUIT IN ASPHALT.
4. ATTACH CONDUIT TO BRIDGE. SEE SHEET C-2 FOR DETAILS.
5. JACK CONDUIT BENEATH ROADWAY. SEE SHEET C-7 FOR DETAILS.



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-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

PROJECT ENGINEER: PAT SULLIVAN

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

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

USERNAME => $$$$$$USER$$$$$$
DGN FILE => $$$$$$$$$$DGNSPEC$$$$$$$$$$

CU 07396 EA 129921

NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUIT IN SOIL.
3. TRENCH AND INSTALL CONDUIT IN ASPHALT.
4. ATTACH CONDUIT TO BRIDGE. SEE SHEET C-2 FOR DETAILS.
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.
11. INSTALL TELEPHONE BRIDGE AND 12 PAIR TERMINAL BLOCK IN EXISTING CABINET. SEE SHEET E-91 FOR DETAILS.
12. CONNECT 6P22 TO BRIDGE. USE EXISTING CONDUIT FROM PULL BOX INTO CABINET.
18. CONNECT 2-6P22 TO BRIDGE. USE EXISTING CONDUIT FROM PULL BOX INTO CABINET.

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

CONDUCTOR TYPE	FUNCTION	RUN 1	2	3	4	5
50P22 CABLE	DATA/VOICE	1				
6P22 CABLE	DATA/VOICE		1	1	3	3
24SMFO CABLE	VIDEO DISTRIBUTION	1				
72 48SMFO CABLE	MUTIPLEXED DATA/VIDEO	1				
	SIZE 32 INNERDUCT	1	1			
	CONDUIT SIZE	103	103	78	53	53	78

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	134	0.0/21.8	98	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.
444 S. FLOWER STREET, SUITE 1850
LOS ANGELES, CA 90071

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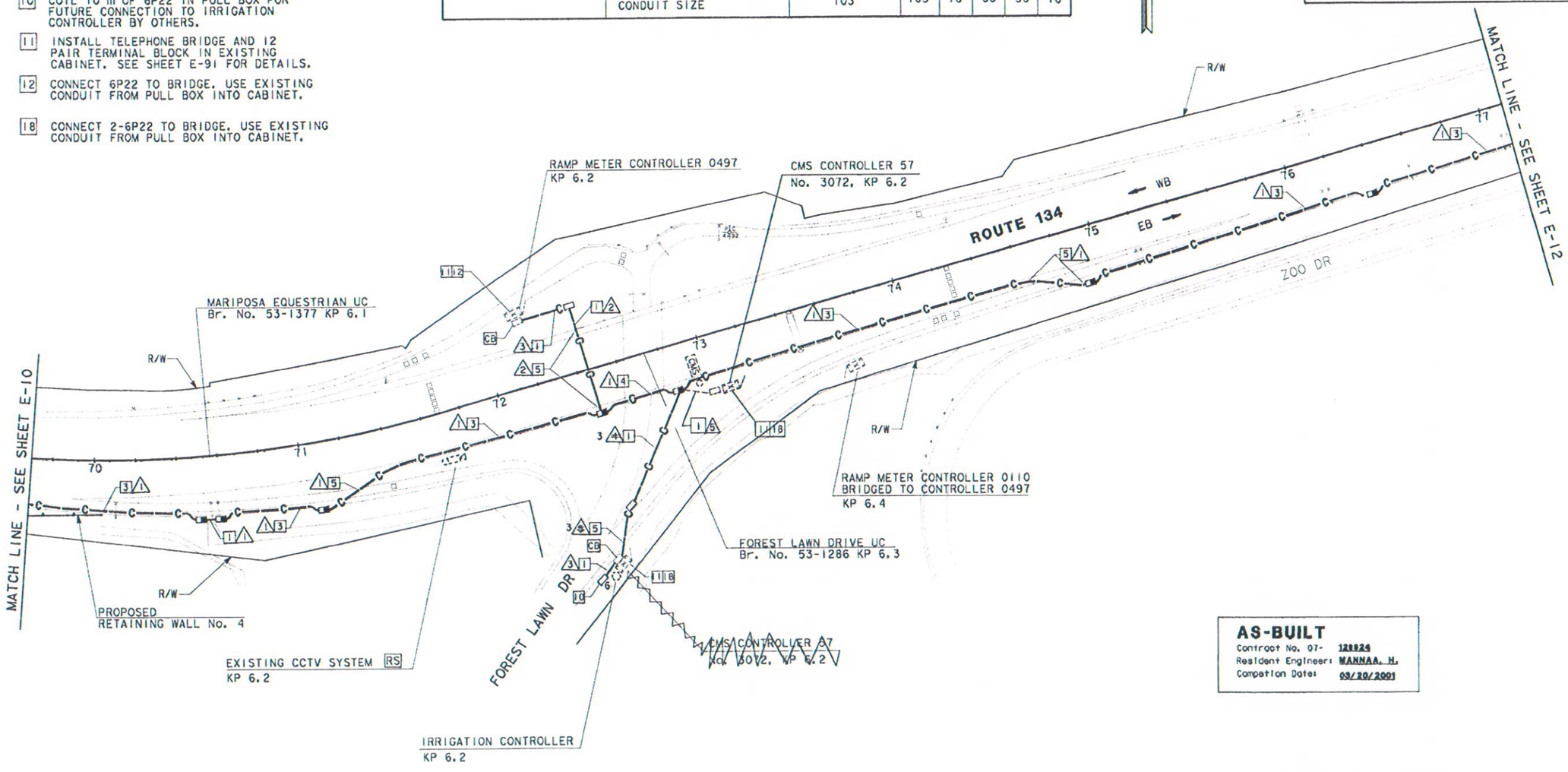

AS-BUILT
Contract No. 07- 129924
Resident Engineer: MANNAA, H.
Completion Date: 03/29/2001

COMMUNICATION SYSTEM ROUTING

SCALE: 1:1000

E-11

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

DATE	REVISED BY	DATE REVISED
6/96	MM	MM/S 6/96

CALCULATED/DESIGNED BY
CHECKED BY
PROJECT ENGINEER: PAT SULLIVAN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

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

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DGN FILE => $$$$$$$$$$DGNSPEC$$$$$$$$$$

CU 07396 EA 129921

SER.2 HHuynh@T7NT6044 F.E. f:\projects\129921_ua\ab\712992u12.dgn DATE Fri Apr 27 2001 TIME 09:50

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	134	0.0/21.8	99	209

Monica M. 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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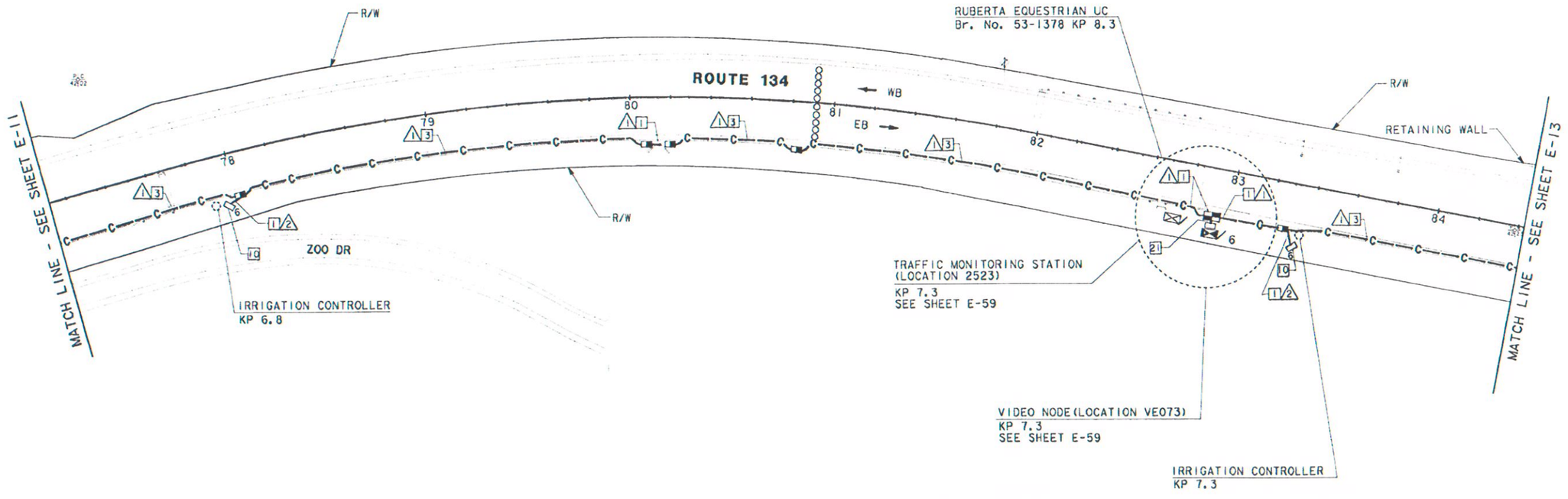
Caltrans Metric

NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUIT IN SOIL.
3. TRENCH AND INSTALL CONDUIT IN ASPHALT.
10. COIL 10m OF 6P22 IN PULL BOX FOR FUTURE CONNECTION TO IRRIGATION CONTROLLER.
21. SEE SHEET E-59 FOR CONDUIT INFORMATION AND PAYMENT.

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	MULTIPLEXED DATA/VIDEO		1			
	SIZE 32 INNERDUCT		1	1		
	CONDUIT SIZE		103		103	53



AS-BUILT
Contract No. 07- 129924
Resident Engineer: MANNAA, H.
Competion 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-12

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

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

USERNAME => $$$$$$USER$$$$$$
DGN FILE => $$$$$$$$$$DGNSPEC$$$$$$$$$$

CU 07396 EA 129921

LAST REVISION 00-00-00 TIME PLOTTED => $$$$$$$$SYTIME$$$$$$

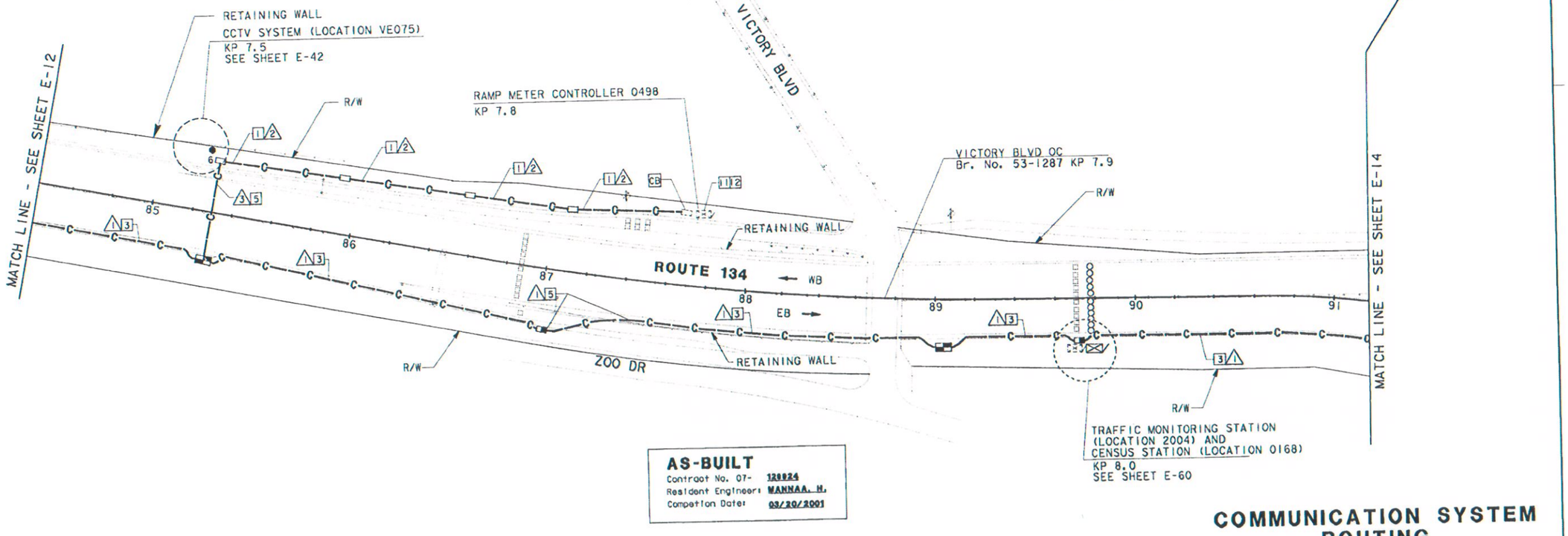
SEE HMuvan@T7NT6044 F:\E f:\projects\129921_pa\gb\Z12992u13.dgn DATE Fri Apr 27 2001 TIME 09:49

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.
11. INSTALL TELEPHONE BRIDGE AND 12 PAIR TERMINAL BLOCK IN EXTSTING CABINET. SEE SHEET E-91 FOR DETAILS.
12. CONNECT 6P22 TO BRIDGE. USE EXISTING CONDUIT FROM PULL BOX INTO CABINET.

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

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



AS-BUILT
Contract No. 07- 129924
Resident Engineer: MANNAA, H.
Competion 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-13

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	134	0.0/21.8	100	209

Monica M. 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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DATE	REVISED BY	DATE REVISED
6/96	MM	6/96 MMS

CALCULATED/DESIGNED BY
CHECKED BY

PROJECT ENGINEER
PAT SULLIVAN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

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

USERNAME => $$$$$$USER$$$$$$
DGN FILE => $$$$$$$$$$DGNSPEC$$$$$$$$$$

CU 07396 EA 129921

PLOT DATE=> $$$$$$$$$$ TIME=> $$$$$$$$$$ DGN: DGNSPEC

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	134	0.0/21.8	101	209

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

4-28-97
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MONICA SUTER No. CC48591 Exp. 5-30-00 CIVIL STATE OF CALIFORNIA

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

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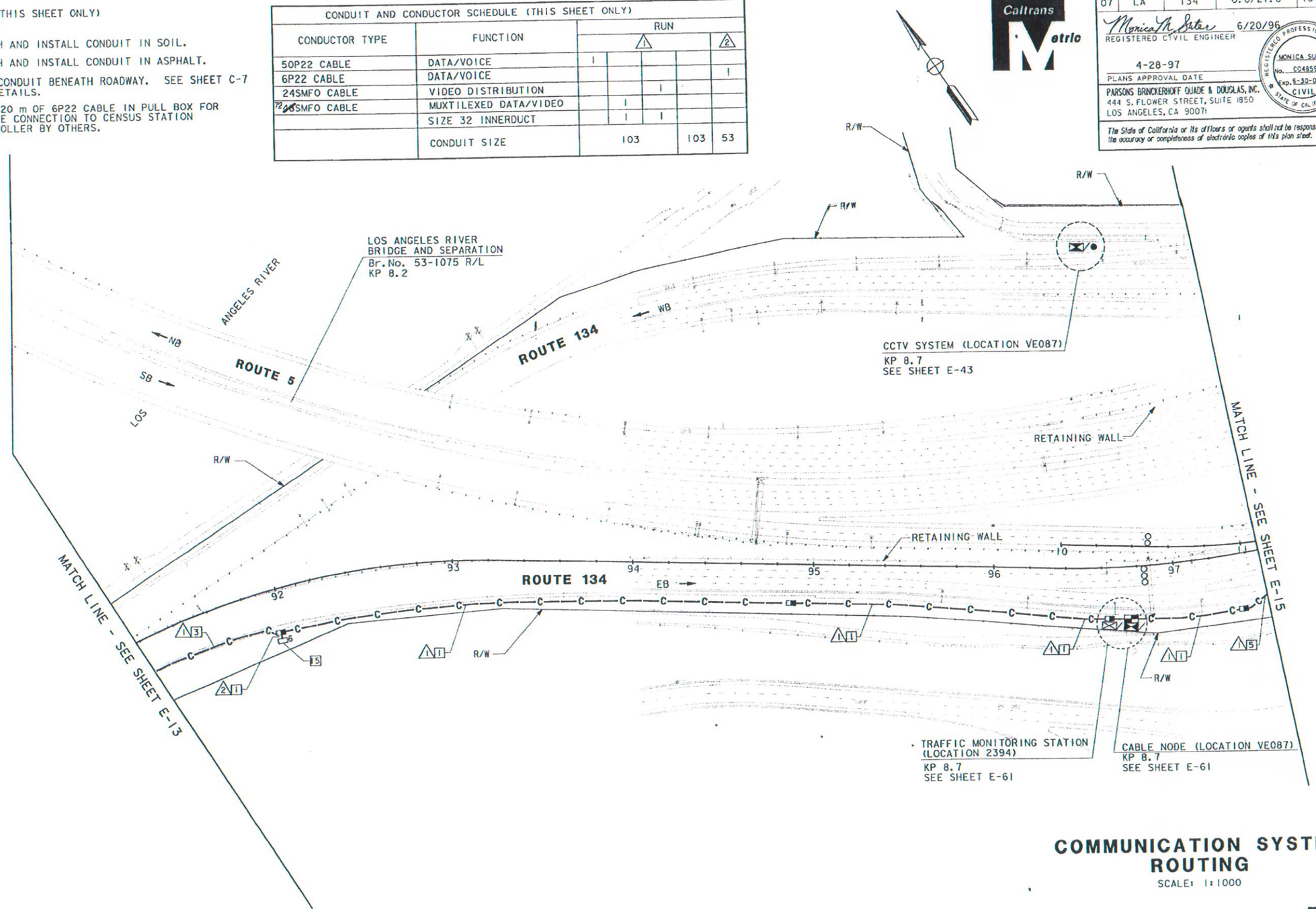
Caltrans Metric

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.
15. COIL 20 m OF 6P22 CABLE IN PULL BOX FOR FUTURE CONNECTION TO CENSUS STATION 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	MUXTILEXED DATA/VIDEO		1			
	SIZE 32 INNERDUCT		1	1		
	CONDUIT SIZE		103		103	53



COMMUNICATION SYSTEM ROUTING

SCALE: 1:1000

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

E-14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

PROJECT ENGINEER: PAT SULLIVAN

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

LAST REVISION 00-00-00 TIME PLOTTED => $$$$$$SYTIME$$$$$$

USERNAME => $$$$$$USER$$$$$$

USERID HHuynh@T7NT6044 FILE f:\projects\129921_ua\ab\712992u15.dgn DATE Fri Apr 27 2001 TIME 10:01

NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUIT IN SOIL.
3. TRENCH AND INSTALL CONDUIT IN ASPHALT.
4. ATTACH CONDUIT TO BRIDGE. SEE SHEET C-2 FOR DETAILS.
5. JACK CONDUIT BENEATH ROADWAY. SEE SHEET C-7 FOR DETAILS.

AS-BUILT
Contract No. 07- 128924
Resident Engineer: MANNAA, H.
Competion Date: 09/20/2001

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	134	0.0/21.8	102	209

Monica M. 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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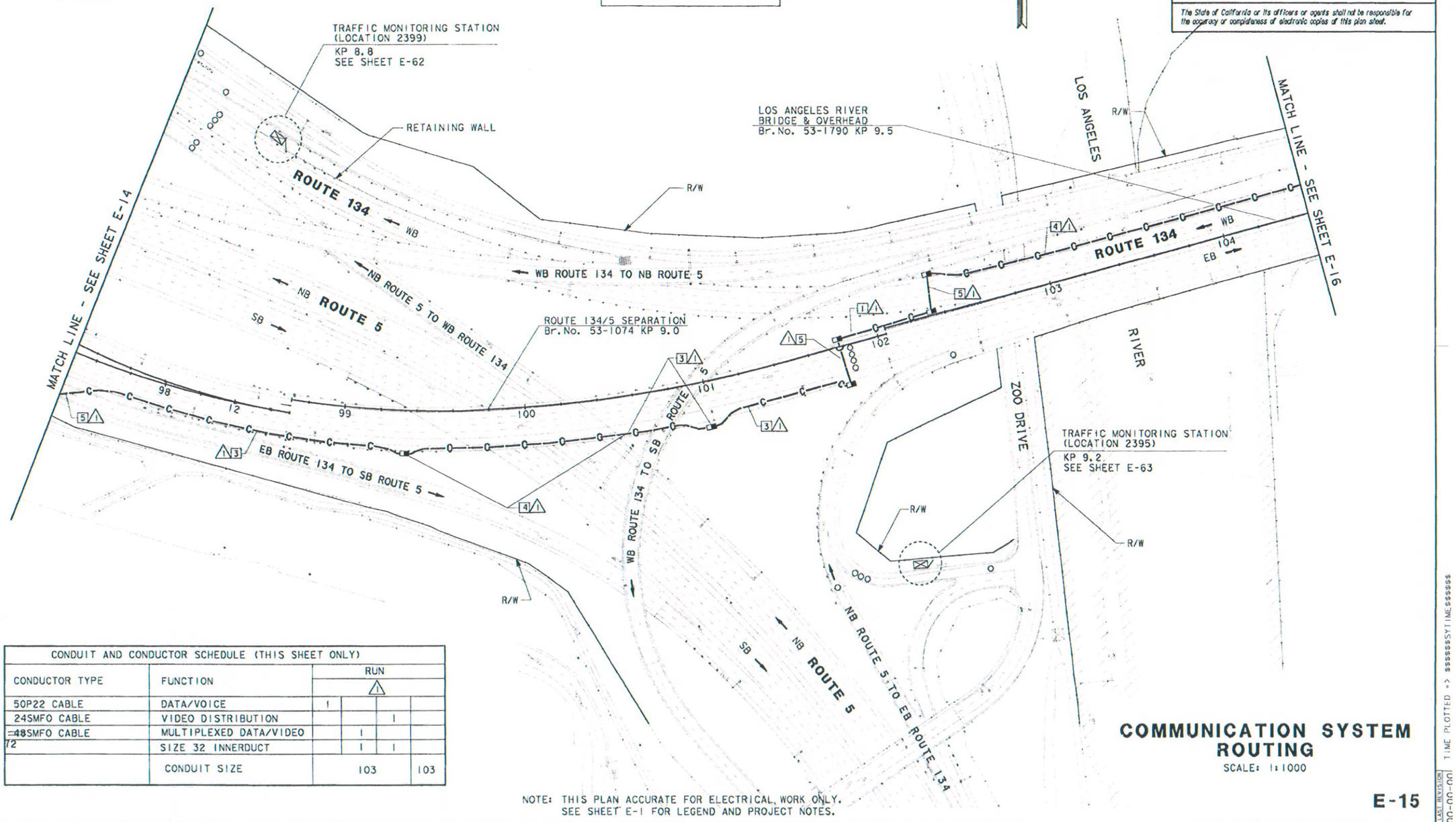

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

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

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

COMMUNICATION SYSTEM ROUTING

SCALE: 1:1000

E-15

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

CALCULATED/DESIGNED BY
CHECKED BY

PROJECT ENGINEER
PAT SULLIVAN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

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

USERNAME => $$$$$$USER$$$$$$
DGN FILE => $$$$$$$$$$DGNSPEC$$$$$$$$$$

CU 07396 EA 129921

LAST REVISION 00-00-00 TIME PLOTTED => $$$$$$$$SYSTIME$$$$$$$$

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DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	134	0.0/21.8	103	209

Monica M. 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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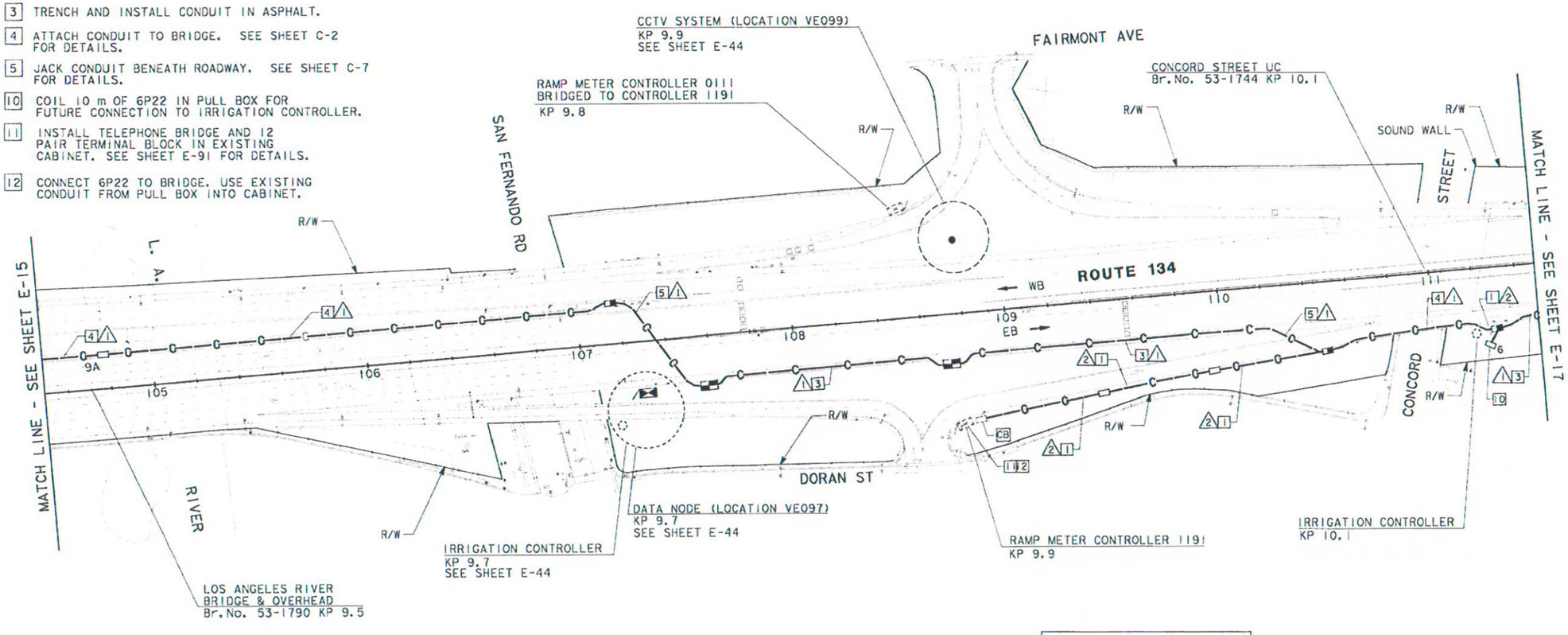
Caltrans Metric

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

NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUIT IN SOIL.
3. TRENCH AND INSTALL CONDUIT IN ASPHALT.
4. ATTACH CONDUIT TO BRIDGE. SEE SHEET C-2 FOR DETAILS.
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.
11. INSTALL TELEPHONE BRIDGE AND 12 PAIR TERMINAL BLOCK IN EXISTING CABINET. SEE SHEET E-91 FOR DETAILS.
12. CONNECT 6P22 TO BRIDGE. USE EXISTING CONDUIT FROM PULL BOX INTO CABINET.



AS-BUILT
Contract No. 07- 129924
Resident Engineer: MANNAA, H.
Completion Date: 09/20/2001

COMMUNICATION SYSTEM ROUTING

SCALE: 1:1000

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

E-16

DATE	REVISED BY	DATE	REVISED BY
6/96	MM		

CALCULATED/DESIGNED BY: MMS
CHECKED BY: PAT SULLIVAN
PROJECT ENGINEER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

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

USERNAME => $$$$$$USER$$$$$$
DGN FILE => $$$$$$$$$$DGNSPEC$$$$$$$$$$

CU 07396 EA 129921

LAST REVISION 00-00-00 TIME PLOTTED => $$$$$$SYSTIME$$$$$$

USER ID: HHuynh@T7NT6044 FILE: i:\projects\129921_ua\ab\Z12992u16.dgn DATE: Tue May 1 2001 TIME: 11:18