FOR CONTRACT NO.:07-2777U4

INFORMATION HANDOUT

MATERIALS INFORMATION

AS-BUILT PLANS

ROUTE: 07-LA-5, 134-25.2/27.5, 4.8/R5.9

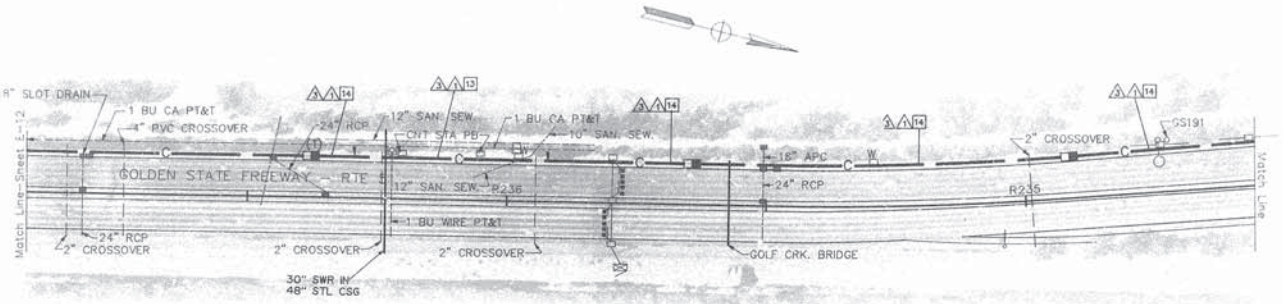
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5,10	16.9/46.2,50.1	35	153

Joseph A. Kwak
REGISTERED ELECTRICAL ENGINEER

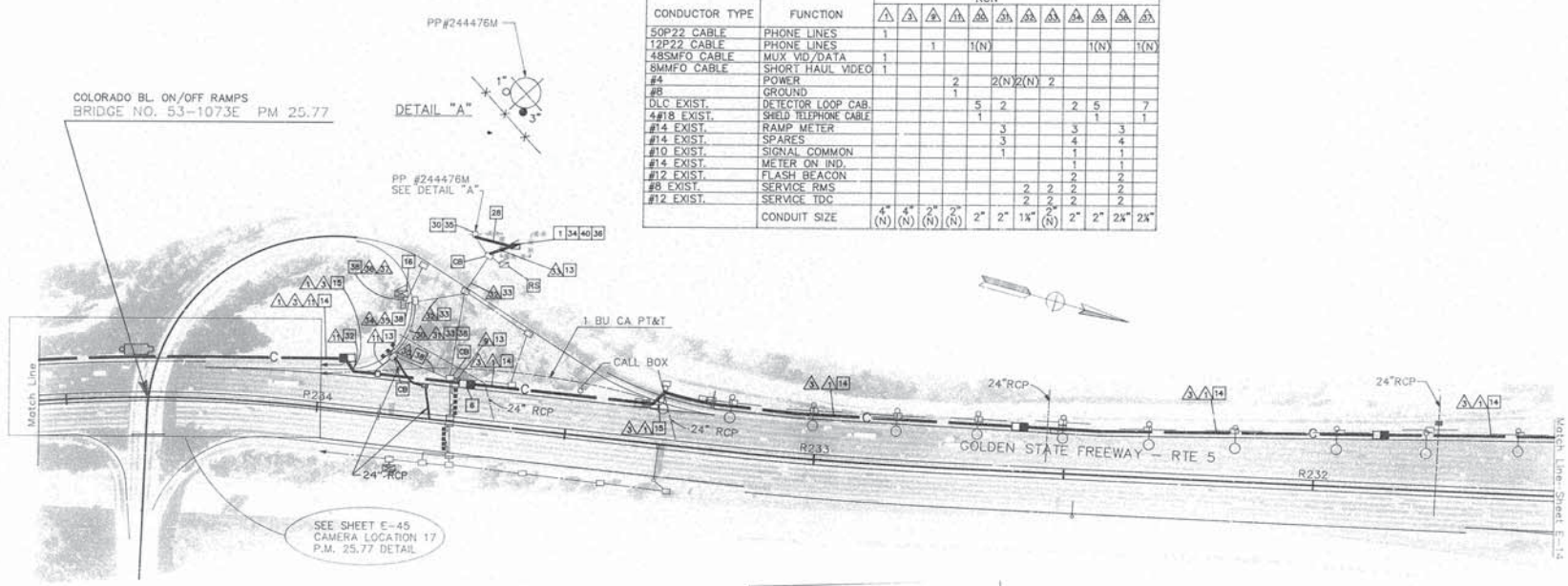
8-31-92
PLANS APPROVAL DATE

JOSEPH A. KWAK No. 10991 Exp. 6/30/95 STATE OF CALIFORNIA

NATIONAL ENGINEERING TECHNOLOGY
16700 VALLEY VIEW AVE., SUITE 260
LA MIRADA, CA 90638
IN ASSOCIATION WITH:
EBASCO SERVICES INCORPORATED
KATZ, OKITSU & ASSOCIATES
WAGNER ENGINEERING & SURVEY, INC.
CONTROL DESIGN SYSTEMS



CONDUCTOR TYPE	FUNCTION	CONDUCTOR SCHEDULE RUN 1	3	9	11	30	31	32	33	34	35	36	37
50P22 CABLE	PHONE LINES	1											
12P22 CABLE	PHONE LINES			1		1(N)					1(N)		1(N)
48SMFO CABLE	MUX VID/DATA	1											
8MMFO CABLE	SHORT HAUL VIDEO	1											
#4	POWER				2		2(N)	2(N)	2				
#8	GROUND				1								
DLC EXIST.	DETECTOR LOOP CAB.					5	2			2	5		7
4#18 EXIST.	SHIELD TELEPHONE CABLE					1					1		1
#14 EXIST.	RAMP METER						3			3		3	
#14 EXIST.	SPARES						3			4		4	
#10 EXIST.	SIGNAL COMMON						1			1		1	
#14 EXIST.	METER ON IND.									1		1	
#12 EXIST.	FLASH BEACON									2		2	
#8 EXIST.	SERVICE RMS							2	2	2		2	
#12 EXIST.	SERVICE TDC							2	2	2		2	
	CONDUIT SIZE	4" (N)	4" (N)	2" (N)	2" (N)	2"	2"	1¼"	2" (N)	2"	2"	2¼"	2¼"



AS BUILT
Contract No. 07-116634
Resident Engineer: Hassan Mannaa
Completion Date: June 13, 1997

APPROX. SCALE: 1"=100'
REFERENCE GRADUATIONS ARE AT APPROX. 500' INTERVALS
REFERENCE CALIBRATIONS INDICATE APPROXIMATE RELATIVE DISTANCE IN THOUSANDS OF FEET.

FOR LEGEND AND PROJECT NOTES SEE SHEET E-1

NOTE: FOR COMPLETE R/W AND ACCURATE ACCESS DATA, SEE R/W RECORD MAPS AT THE DISTRICT OFFICE.

NOTE: THIS PLAN ACCURATE FOR ELECTRICAL AND CONFLICTING UTILITIES ONLY

CCTV AND COMMUNICATIONS SYSTEM (LAYOUT)

E-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: GLORIA GWYNNE
CALCULATED/DESIGNED BY: JK
CHECKED BY:
DATE: 3/23
REVISED BY:
DATE REVISED:

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3

CU 07387 EA 116634

FORM DC-OE-V2-PF (REV. 3/88)

116634.13.DWG JM 03/16/92

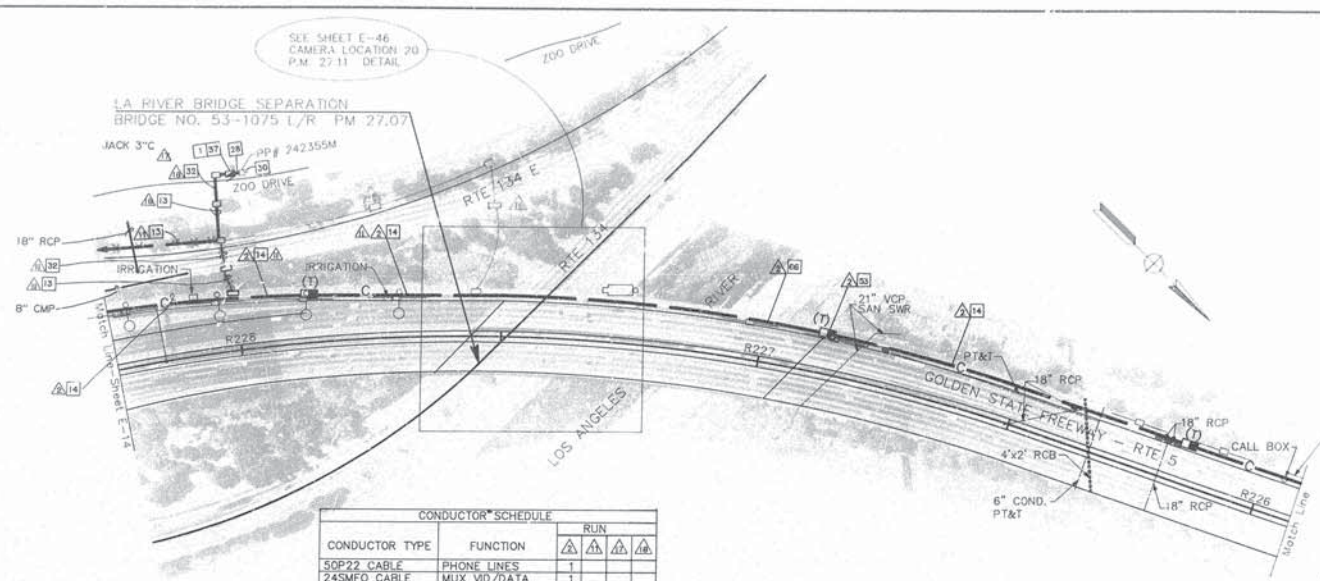
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5,10	16.9/46.2,50.1	37	153

Joseph A. Kwok
REGISTERED ELECTRICAL ENGINEER

8-31-92
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER JOSEPH A. KWOK No. 10991 Exp. 6/30/95 ELECTRICAL

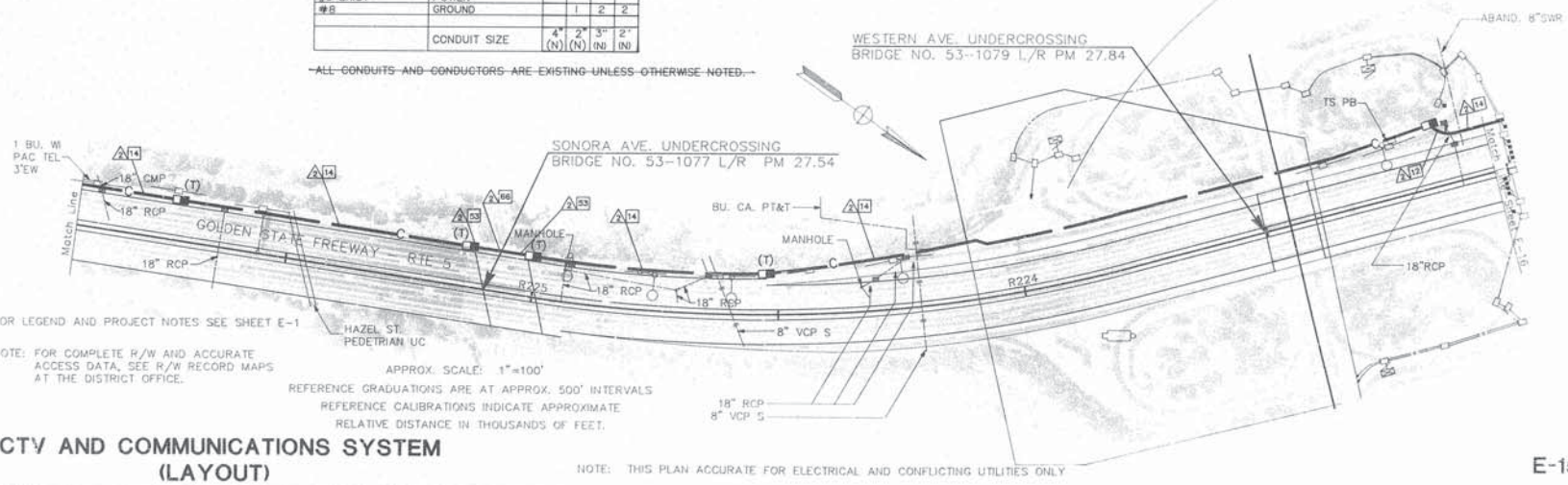
NATIONAL ENGINEERING TECHNOLOGY
16700 VALLEY VIEW AVE., SUITE 260
LA MIRADA, CA 90638
IN ASSOCIATION WITH:
ERASCO SERVICES INCORPORATED
KATZ, OKITSU & ASSOCIATES
WAGNER ENGINEERING & SURVEY, INC.
CONTROL DESIGN SYSTEMS



AS BUILT
Contract No. 07- 116634
Resident Engineer: Hassan Mannaa
Completion Date June 13, 1997

CONDUCTOR SCHEDULE					
CONDUCTOR TYPE	FUNCTION	RUN 1	RUN 2	RUN 3	RUN 4
50P22 CABLE	PHONE LINES	1			
24SMFO CABLE	MUX VID/DATA	1			
8MMFO CABLE	SHORT HAUL VIDEO	1			
#6	POWER				
#4	POWER		2	4	4
#8 EXIST	POWER				
#8	GROUND		1	2	2
	CONDUIT SIZE	4" (N)	2" (N)	3" (N)	2" (N)

~~ALL CONDUITS AND CONDUCTORS ARE EXISTING UNLESS OTHERWISE NOTED.~~



FOR LEGEND AND PROJECT NOTES SEE SHEET E-1

NOTE: FOR COMPLETE R/W AND ACCURATE ACCESS DATA, SEE R/W RECORD MAPS AT THE DISTRICT OFFICE.

APPROX. SCALE: 1"=100'
REFERENCE GRADUATIONS ARE AT APPROX. 500' INTERVALS
REFERENCE CALIBRATIONS INDICATE APPROXIMATE RELATIVE DISTANCE IN THOUSANDS OF FEET.

CCTV AND COMMUNICATIONS SYSTEM (LAYOUT)

NOTE: THIS PLAN ACCURATE FOR ELECTRICAL AND CONFLICTING UTILITIES ONLY

E-15

DATE	REVISED BY	DATE	REVISED

CALCULATED/DESIGNED BY
CHECKED BY JK 3/23

DESIGN OVERSIGHT
GLORIA GWYNNE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

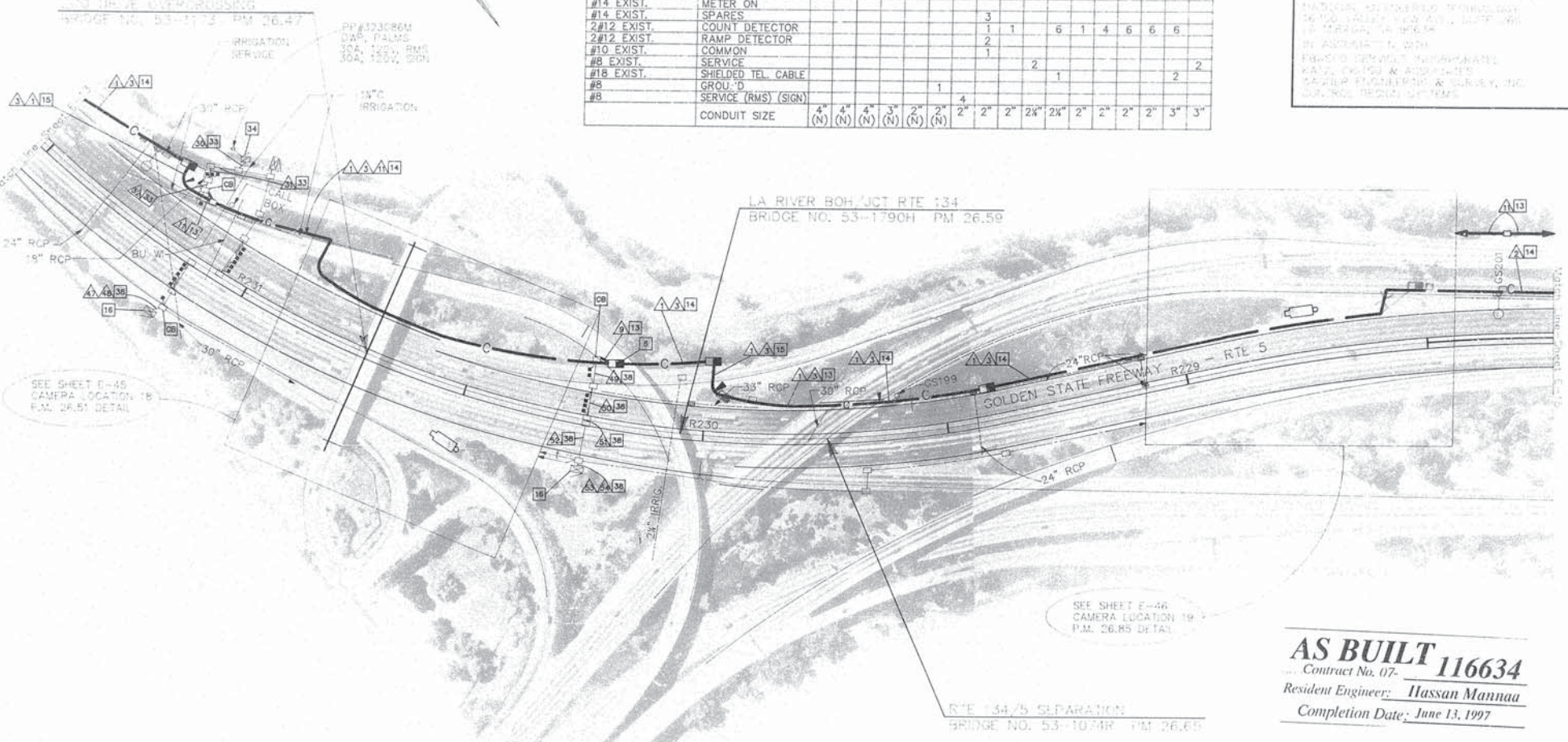
116EXE15.DWG TMM 03/18/92

FORM DC-GE-92-PF (REV. 3/88)

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3

CU 07387 EA 116634

CONDUCTOR TYPE	FUNCTION	RUN 1	2	3	4	5	11	30	31	32	4	48	49	50	51	52	53	54
24SMFO CABLE	MUX VID/DATA		1															
50P22 CABLE	PHONE LINES	1	1															
12P22 CABLE	PHONE LINES				1	1						1(N)	1(N)	1(N)	1(N)	1(N)	1(N)	
48SMFO CABLE	MUX VID/DATA	1																
2MMFO B/O CABLE	SHORT HAUL VIDEO				1													
8MMFO CABLE	SHORT HAUL VIDEO	1	1															
#4	POWER						2	2(N)	2(N)	2(N)								
#14 EXIST.	RAMP SIGNAL								3									
#14 EXIST.	METER ON																	
#14 EXIST.	SPARES								3									
2#12 EXIST.	COUNT DETECTOR								1	1		6	1	4	6	6	6	
2#12 EXIST.	RAMP DETECTOR								2									
#10 EXIST.	COMMON								1									
#8 EXIST.	SERVICE										2							2
#18 EXIST.	SHIELDED TEL. CABLE											1					2	
#8	GROU.'D						1											
#8	SERVICE (RMS) (SIGN)							4										
	CONDUIT SIZE	4" (N)	4" (N)	4" (N)	3" (N)	2" (N)	2" (N)	2"	2"	2"	2½"	2½"	2"	2"	2"	2"	3"	3"



AS BUILT 116634
Contract No. 07-
Resident Engineer: Hassan Mannaa
Completion Date: June 13, 1997

FOR LEGEND AND PROJECT NOTES SEE SHEET E-1

NOTE: FOR COMPLETE R/W AND ACCURATE ACCESS DATA, SEE R/W RECORD MAPS AT THE DISTRICT OFFICE.

NOTE: THIS PLAN ACCURATE FOR ELECTRICAL AND CONFLICTING UTILITIES ONLY

CCTV AND COMMUNICATIONS SYSTEM (LAYOUT)

E-14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN OVERSIGHT
GLORIA GWYNNE

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

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

REGISTERED PROFESSIONAL ENGINEER MONICA SUTER No. C048591 Exp. 5-30-00 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.

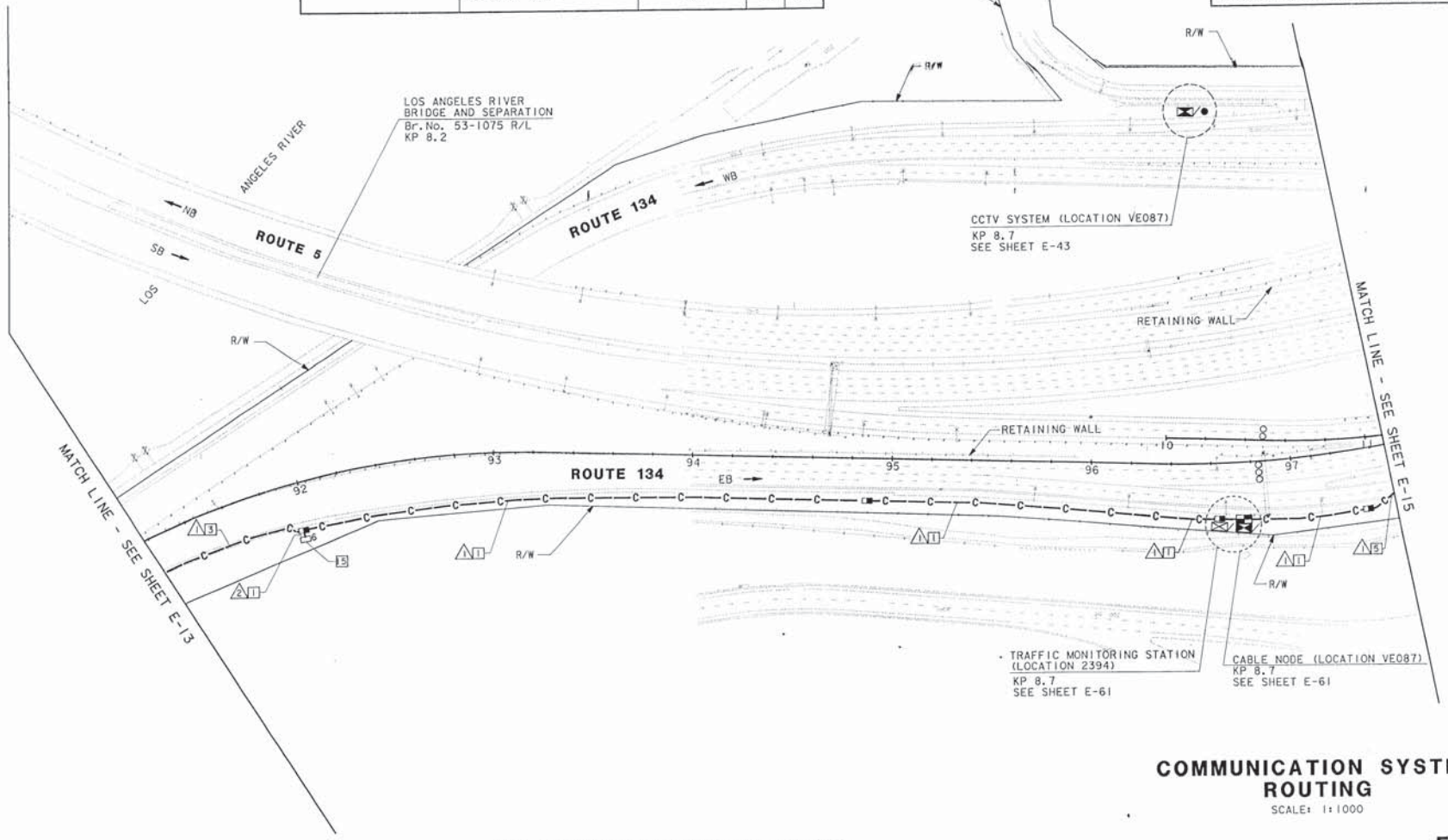
Caltrans Metric

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 => $$$$$$$SYTIME$$$$$$

USERID: HHuvnh@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- 129924
Resident Engineer: MANNAA, H.
Completion Date: 03/20/2001

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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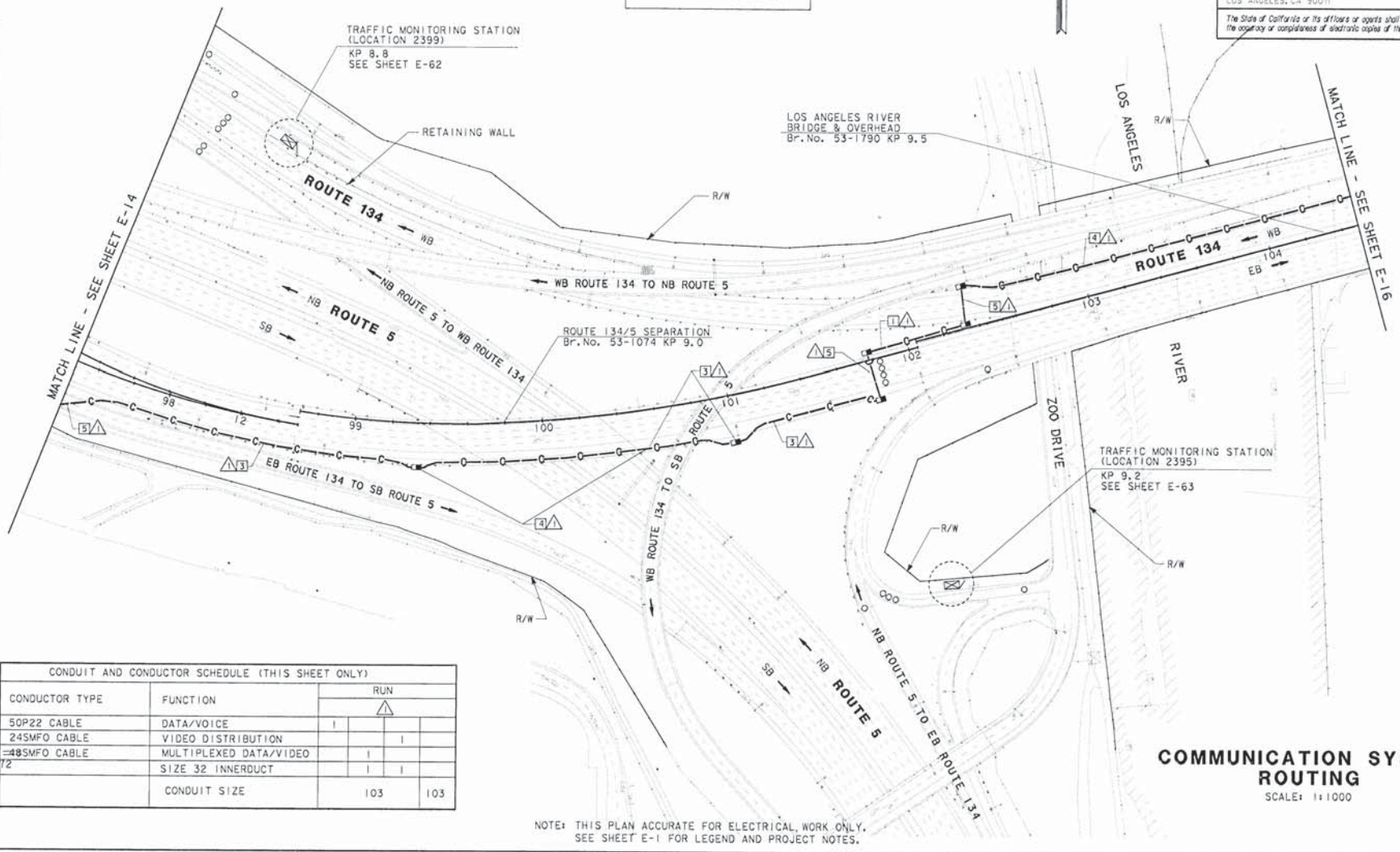

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)					
CONDUCTOR TYPE	FUNCTION	RUN △1			
50P22 CABLE	DATA/VOICE	1			
24SMFO CABLE	VIDEO DISTRIBUTION			1	
48SMFO CABLE	MULTIPLEXED DATA/VIDEO		1		
72	SIZE 32 INNERDUCT		1	1	
	CONDUIT SIZE		103		103

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

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

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

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

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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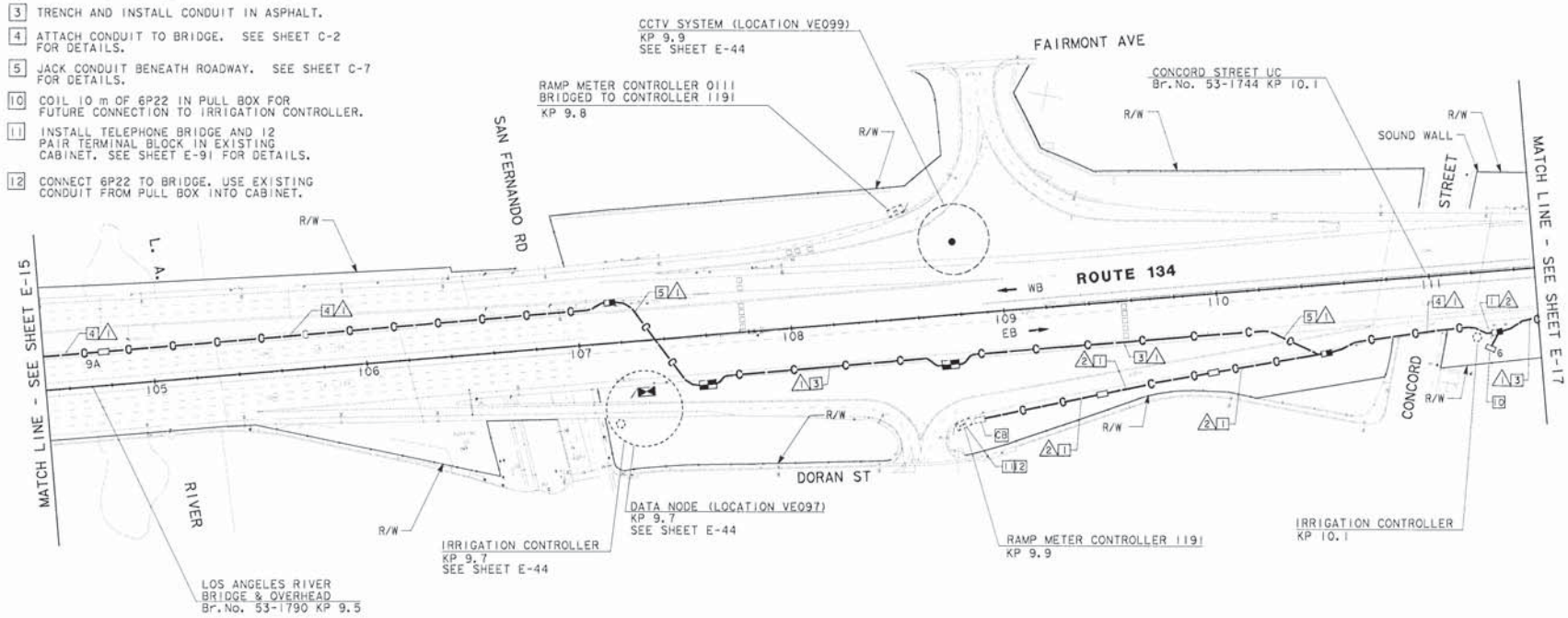
Caltrans Metric

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)					
CONDUCTOR TYPE	FUNCTION	RUN 1			RUN 2
50P22 CABLE	DATA/VOICE	1			
6P22 CABLE	DATA/VOICE				1
24SMFO CABLE	VIDEO DISTRIBUTION			1	
72 48SMFO 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: 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-16

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

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