FOR CONTRACT NO.: 07-2W0804

INFORMATION HANDOUT

ELECTRICAL INFORMATION

FIBER OPTIC SYSTEM AS-BUILT DRAWINGS

ROUTE: 07-LA-105-PM R7.0/R13.2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	105	R0.5/17.8	28	92

Kenneth D. Camp 3/23/93
REGISTERED ELECTRICAL ENGINEER

4-26-93
PLANS APPROVAL DATE

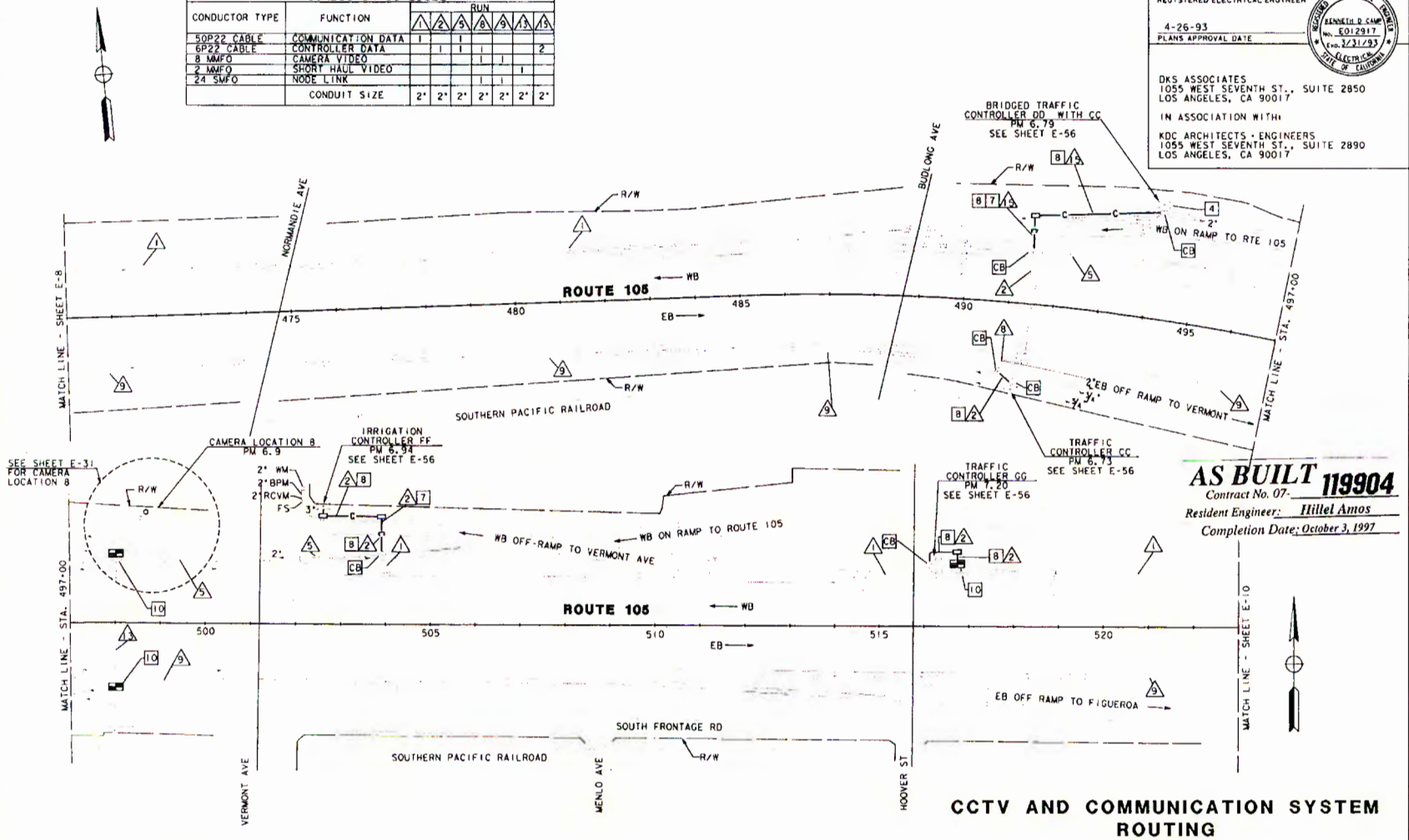
REGISTERED PROFESSIONAL ENGINEER
KENNETH D. CAMP
No. E012917
Exp. 3/31/93
ELECTRICAL
STATE OF CALIFORNIA

DKS ASSOCIATES
1055 WEST SEVENTH ST., SUITE 2850
LOS ANGELES, CA 90017

IN ASSOCIATION WITH:

KDC ARCHITECTS · ENGINEERS
1055 WEST SEVENTH ST., SUITE 2890
LOS ANGELES, CA 90017

CONDUCTOR SCHEDULE								
CONDUCTOR TYPE	FUNCTION	RUN 1	2	5	8	9	13	15
50P22 CABLE	COMMUNICATION DATA	1		1				
6P22 CABLE	CONTROLLER DATA		1	1	1			2
8 MMFO	CAMERA VIDEO				1	1		
2 MMFO	SHORT HAUL VIDEO						1	
24 SMFO	NODE LINK				1	1		
	CONDUIT SIZE	2"	2"	2"	2"	2"	2"	2"



AS BUILT 119904
Contract No. 07-
Resident Engineer: Hillel Amos
Completion Date: October 3, 1997

CCTV AND COMMUNICATION SYSTEM ROUTING

SCALE: 1" = 100'

E-9

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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: GLORIA GWYNNE
CALCULATED/DESIGNED BY: RL DATE 3/93
CHECKED BY: RS 3/93
REVISED BY
DATE REVISED

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

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

CU 07374 | EA 119900

LAST REVISION 03-23-93

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	105	R0.5/R17.8	29	92

Kenneth D. Camp 3/8/93
REGISTERED ELECTRICAL ENGINEER

4-26-93
PLANS APPROVAL DATE

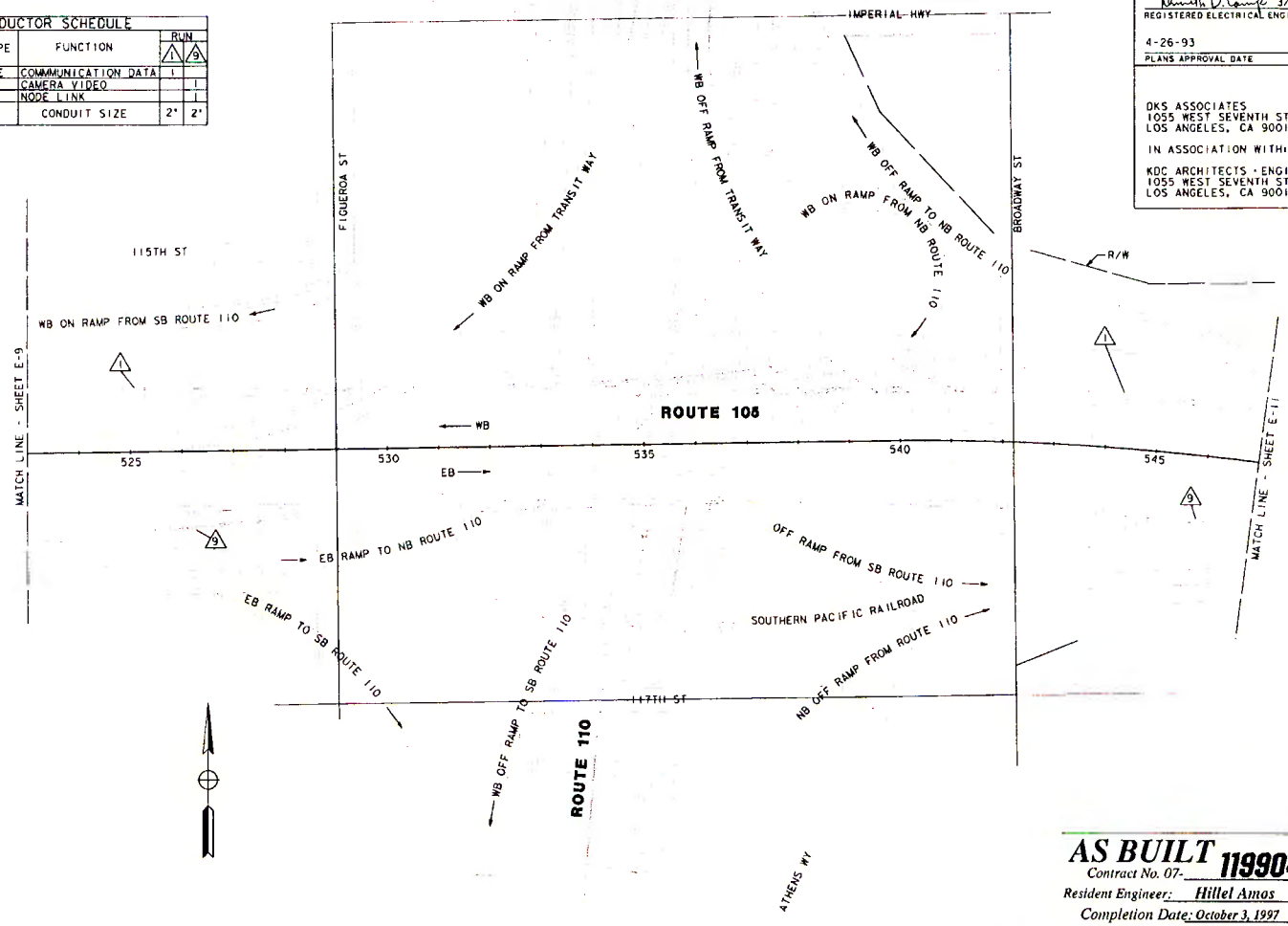
REGISTERED PROFESSIONAL ENGINEER
KENNETH D CAMP
No. E012917
Exp. 3/31/93
ELECTRICAL
STATE OF CALIFORNIA

DKS ASSOCIATES
1055 WEST SEVENTH ST., SUITE 2850
LOS ANGELES, CA 90017

IN ASSOCIATION WITH:

KDC ARCHITECTS · ENGINEERS
1055 WEST SEVENTH ST., SUITE 2890
LOS ANGELES, CA 90017

CONDUCTOR SCHEDULE			
CONDUCTOR TYPE	FUNCTION	RUN 1	RUN 9
50 P22 CABLE	COMMUNICATION DATA	1	
8 MMFO	CAMERA VIDEO		1
24 SMFO	NODE LINK		1
	CONDUIT SIZE	2"	2"



AS BUILT 119904
Contract No. 07-
Resident Engineer: Hillel Amos
Completion Date: October 3, 1997

CCTV AND COMMUNICATION SYSTEM ROUTING

SCALE: 1" = 100'

E-10

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

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

CU 07374 | EA 119900

LAST REVISION 03-23-93

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN OVERSIGHT: GLORIA CWYNNE
CALCULATED/DESIGNED BY: RL DATE 3/93
CHECKED BY: RS DATE 3/93
REVISED BY
DATE REVISED

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	105	R0.5/R17.8	30	92

Kenneth D. Camp 3/23/93
REGISTERED ELECTRICAL ENGINEER

4-26-93
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER KENNETH D. CAMP No. E012917 Exp. 3/31/93 ELECTRICAL STATE OF CALIFORNIA

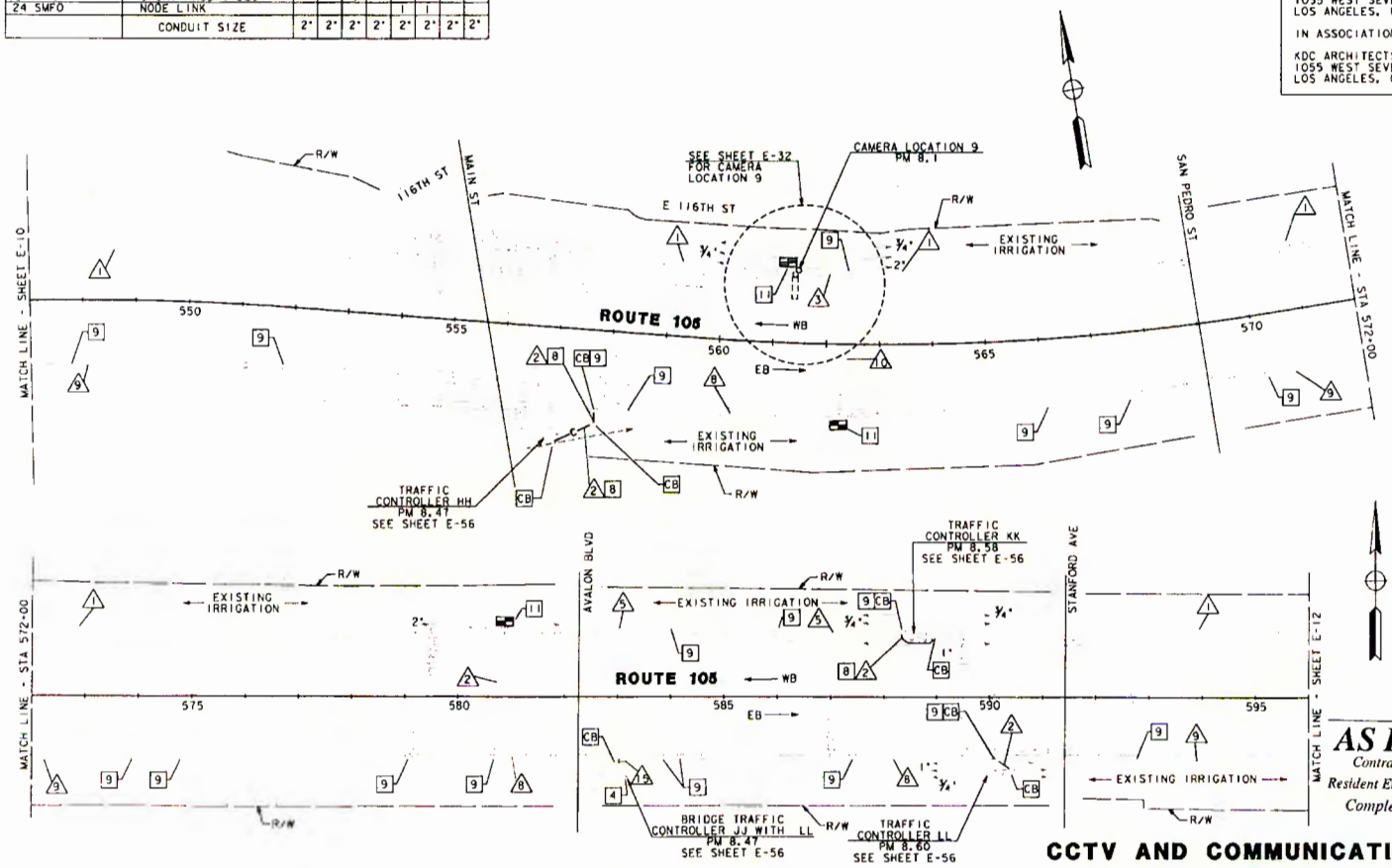
DKS ASSOCIATES
1055 WEST SEVENTH ST., SUITE 2850
LOS ANGELES, CA 90017

IN ASSOCIATION WITH:

KDC ARCHITECTS • ENGINEERS
1055 WEST SEVENTH ST., SUITE 2890
LOS ANGELES, CA 90017

CONDUCTOR SCHEDULE

CONDUCTOR TYPE	FUNCTION	RUN 1	2	3	5	8	9	10	15
50 P22 CABLE	COMMUNICATION DATA	1	1	1	1				
6 P22 CABLE	CONTROLLER DATA		1	1	1	1		1	2
8 MMFO	CAMERA VIDEO					1	1		
2 MMFO	SHORT HAUL VIDEO			1				1	
24 SMFO	NODE LINK					1	1		
	CONDUIT SIZE	2"	2"	2"	2"	2"	2"	2"	2"



AS BUILT 119904
Contract No. 07-
Resident Engineer: Hillel Amos
Completion Date: October 3, 1997

CCTV AND COMMUNICATION SYSTEM ROUTING

SCALE: 1" = 100'

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

E-11

DATE	REVISED BY	DATE	REVISED
3/93	RS	3/93	

CALCULATED/DESIGNED BY: RL
CHECKED BY: RS
DESIGN OVERSIGHT: GLORIA GWYNNE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

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

CU 07374 | EA 119900

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

LAST REVISION 03-23-93

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	105	R0.5/R17.8	31	92

Kenneth D. Camp 3/23/93
REGISTERED ELECTRICAL ENGINEER

4-26-93
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
KENNETH D CAMP
No. E012917
Exp. 3/31/93
ELECTRICAL
STATE OF CALIFORNIA

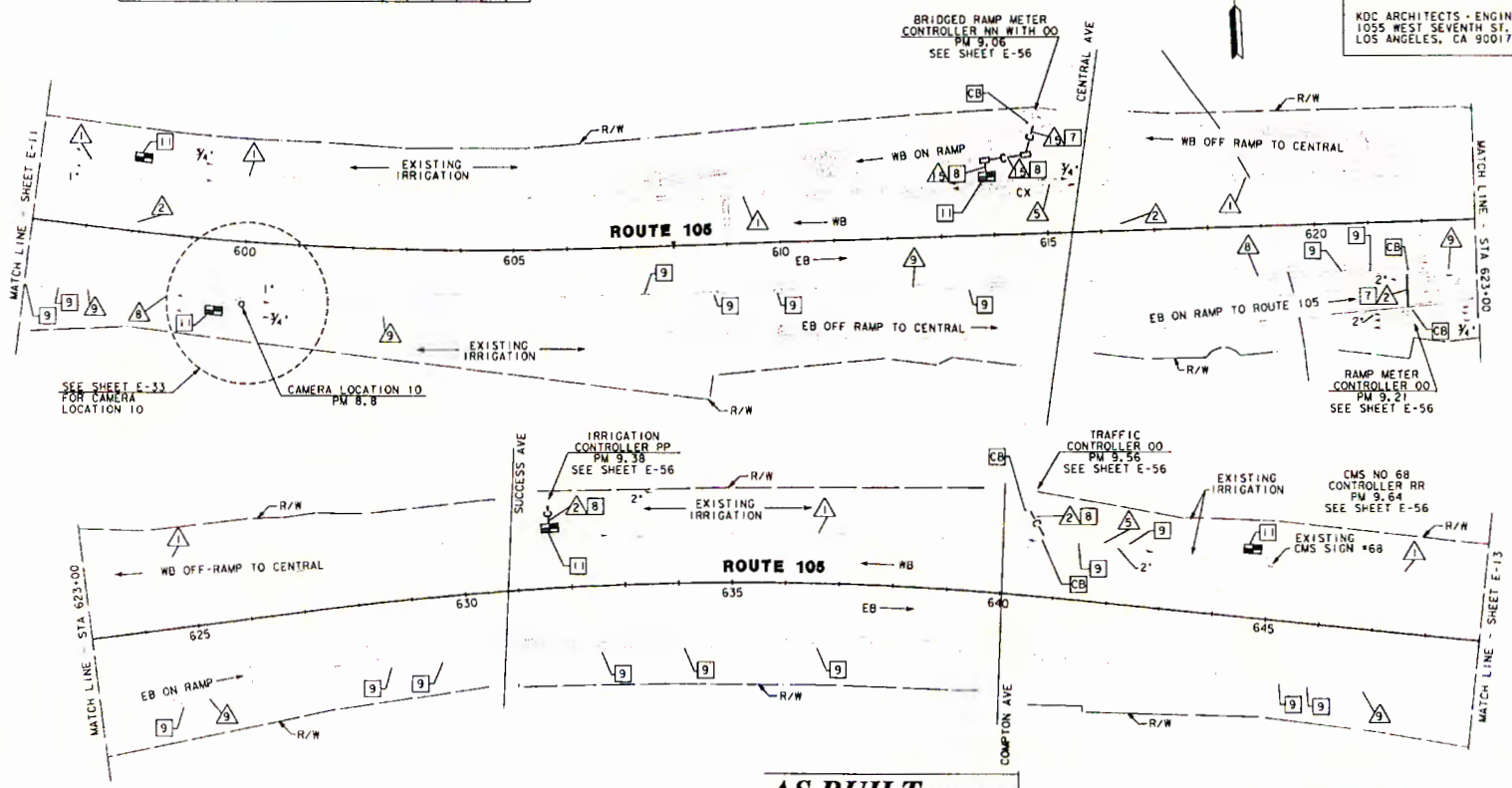
DKS ASSOCIATES
1055 WEST SEVENTH ST., SUITE 2850
LOS ANGELES, CA 90017

IN ASSOCIATION WITH:

KDC ARCHITECTS - ENGINEERS
1055 WEST SEVENTH ST., SUITE 2890
LOS ANGELES, CA 90017

CONDUCTOR SCHEDULE

CONDUCTOR TYPE	FUNCTION	RUN 1	2	5	8	9	15
50 P22 CABLE	COMMUNICATION DATA	1		1			
6 P22 CABLE	CONTROLLER DATA		1	1	1		2
8 MMFO	CAMERA VIDEO				1	1	
24 SMFO	NODE LINK				1	1	
	CONDUIT SIZE	2"	2"	2"	2"	2"	2"



AS BUILT 119904
Contract No. 07-
Resident Engineer: Hillel Amos
Completion Date: October 3, 1997

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

CCTV AND COMMUNICATION SYSTEM ROUTING

SCALE: 1" = 100'

E-12

LAST REVISION 03-23-93

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: GLORIA GWYNNE
CALCULATED/DESIGNED BY: RL DATE 3/93 REVISED BY
CHECKED BY: RS 3/93 DATE REVISED

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

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

CU 07374 | EA 119900

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	105	R0.5/R17.8	32	92

REGISTERED ELECTRICAL ENGINEER 3/23/93

4-26-93
PLANS APPROVAL DATE

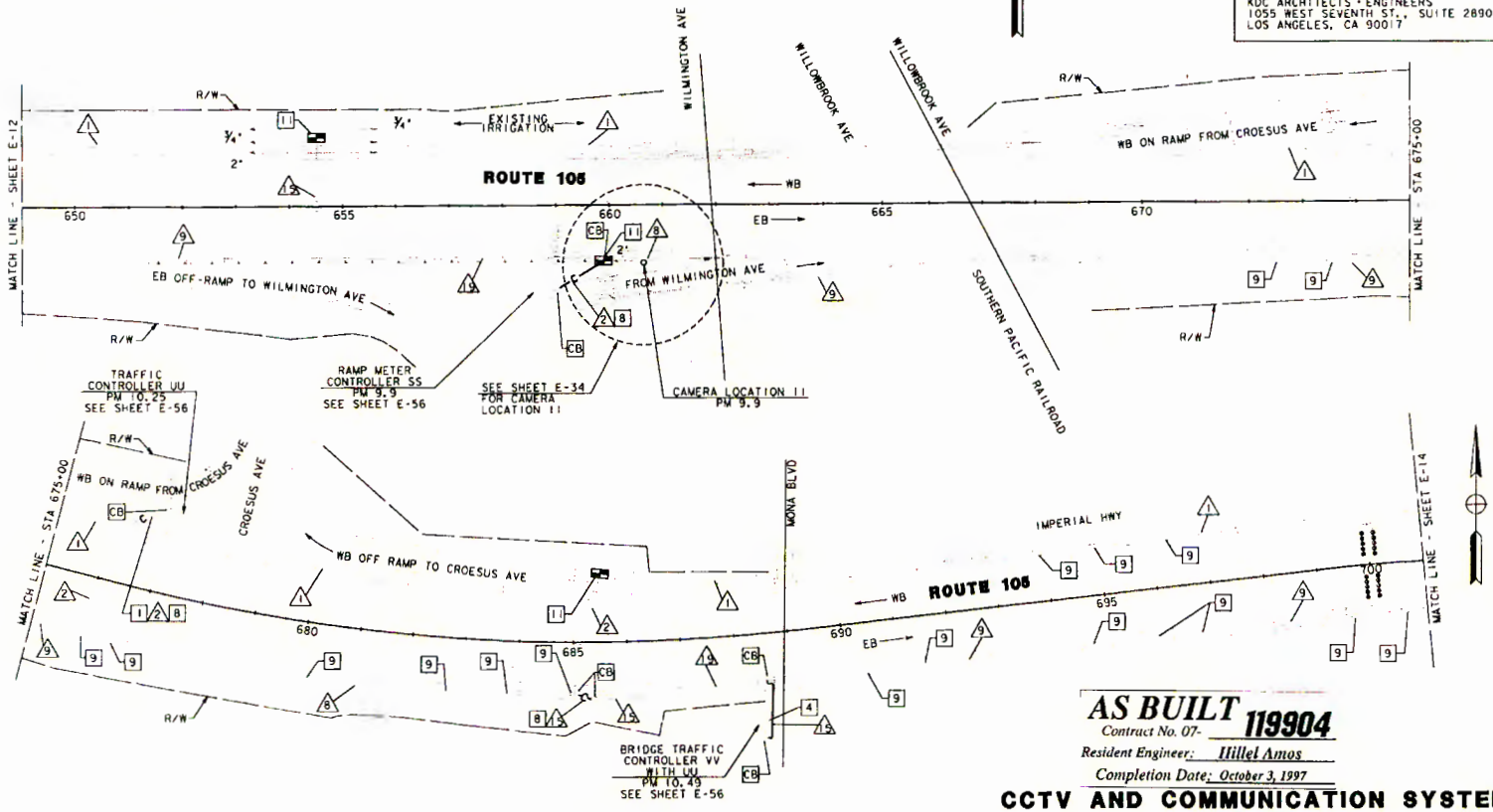
REGISTERED PROFESSIONAL ENGINEER KENNETH D CAMP No. E012917 Exp. 3/31/93 ELECTRICAL STATE OF CALIFORNIA

DKS ASSOCIATES
1055 WEST SEVENTH ST., SUITE 2850
LOS ANGELES, CA 90017

IN ASSOCIATION WITH:

KDC ARCHITECTS · ENGINEERS
1055 WEST SEVENTH ST., SUITE 2890
LOS ANGELES, CA 90017

CONDUCTOR TYPE	FUNCTION	RUN 1	2	8	9	15	19
50 P22 CABLE	COMMUNICATION DATA	1					
6 P22 CABLE	CONTROLLER DATA		1	1		2	2
8 MMFO	CAMERA VIDEO			1	1		1
24 SMFO	NODE LINK			1	1		
	CONDUIT SIZE	2"	2"	2"	2"	2"	2"



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

AS BUILT Contract No. 07- **119904**
Resident Engineer: Hillel Amos
Completion Date: October 3, 1997

CCTV AND COMMUNICATION SYSTEM ROUTING

SCALE: 1" = 100'

E-13

LAST REVISION 03-23-93

DATE	REVISED BY	DATE	REVISED BY
3/93	RL	3/93	RS

CALCULATED/DESIGNED BY
CHECKED BY

DESIGN OVERSIGHT
GLORIA GWYNNE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

FORM DC-OE-92-FF (REV. 3/88)

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

CU 07374

EA 119900

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	105	R0.5/R17.8	33	92

Kenneth D. Camp 3/23/93
REGISTERED ELECTRICAL ENGINEER

4-26-93
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
KENNETH D CAMP
No. E012917
Exp. 3/31/93
ELECTRICAL
STATE OF CALIFORNIA

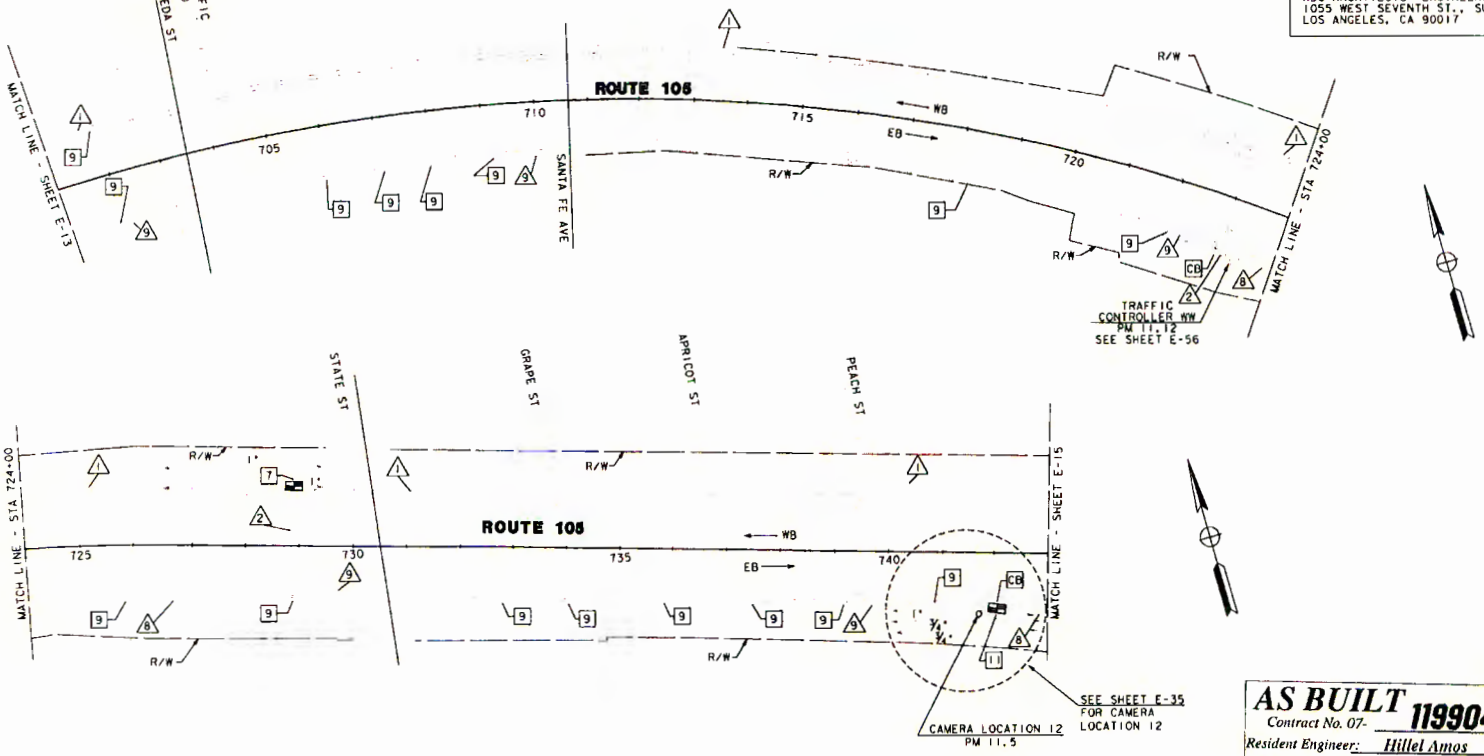
DKS ASSOCIATES
1055 WEST SEVENTH ST., SUITE 2850
LOS ANGELES, CA 90017

IN ASSOCIATION WITH:

KDC ARCHITECTS • ENGINEERS
1055 WEST SEVENTH ST., SUITE 2890
LOS ANGELES, CA 90017

CONDUCTOR SCHEDULE

CONDUCTOR TYPE	FUNCTION	RUN 1	RUN 2	RUN 8	RUN 9
50 P22 CABLE	COMMUNICATION DATA	1			
6 P22 CABLE	CONTROLLER DATA		1	1	
8 MMFO	CAMERA VIDEO			1	1
24 SMFO	NODE LINK			1	1
	CONDUIT SIZE	2"	2"	2"	2"



AS BUILT
Contract No. 07- **119904**
Resident Engineer: Hillel Amos
Completion Date: October 3, 1997

CCTV AND COMMUNICATIONS SYSTEM (LAYOUT)

SCALE: 1" = 100'

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

E-14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: GLORIA GWYNNE
CALCULATED/DESIGNED BY: RL DATE 3/93
CHECKED BY: RS DATE 3/93
REVISED BY
DATE REVISED

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

CU 07374 | EA 119900

LAST REVISION 03-23-93

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	105	R0.5/17.8	34	92

REGISTERED ELECTRICAL ENGINEER 3/23/93

4-26-93
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER KENNETH D CAMP No. E012917 Exp. 3/31/93 ELECTRICAL STATE OF CALIFORNIA

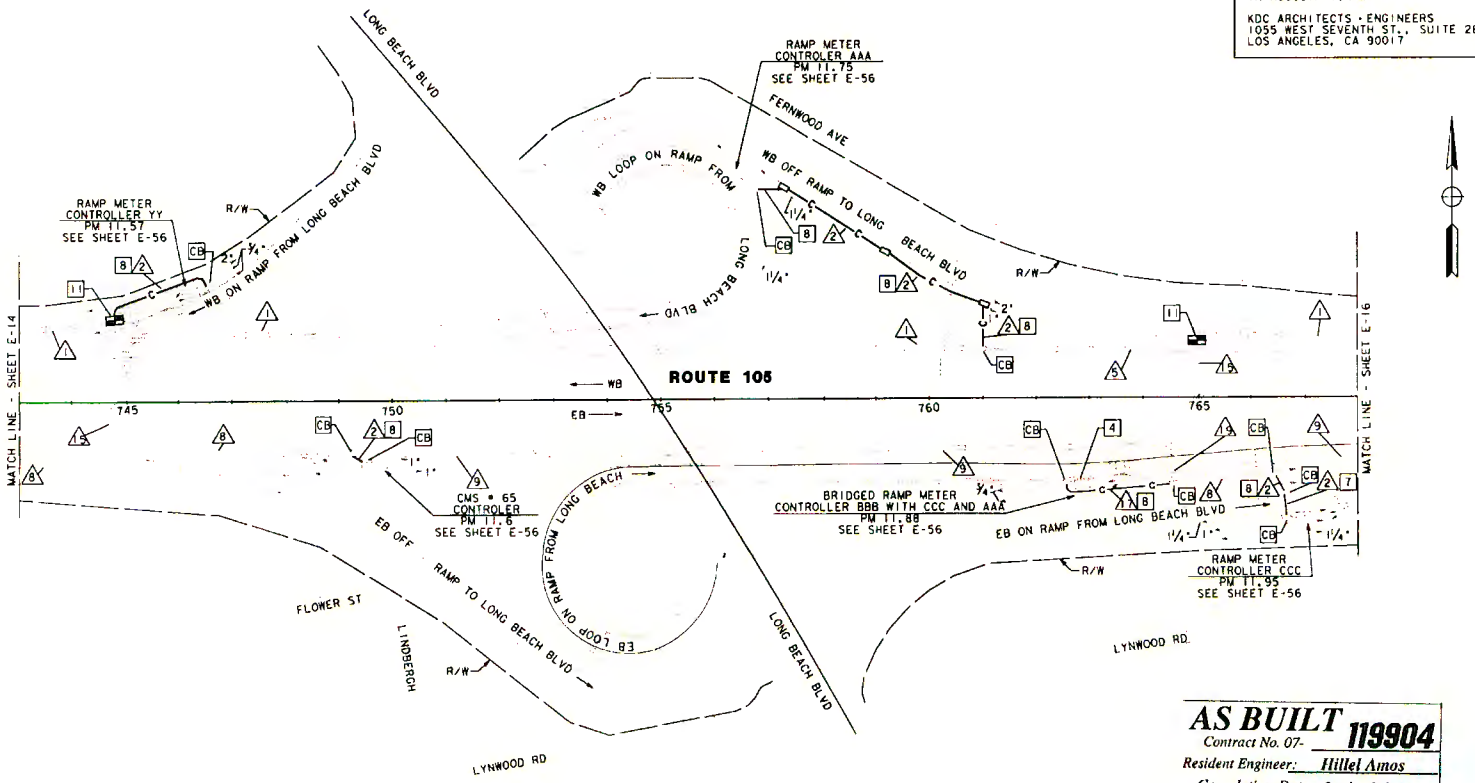
DKS ASSOCIATES
1055 WEST SEVENTH ST., SUITE 2850
LOS ANGELES, CA 90017

IN ASSOCIATION WITH:

KDC ARCHITECTS · ENGINEERS
1055 WEST SEVENTH ST., SUITE 2890
LOS ANGELES, CA 90017

CONDUCTOR SCHEDULE

CONDUCTOR TYPE	FUNCTION	RUN 1	2	5	8	9	15	17	19
50 P22 CABLE	COMMUNICATION DATA	1		1					
6 P22 CABLE	CONTROLLER DATA		1	1	1		2	3	2
8 MMFO	CAMERA VIDEO				1	1			1
24 SMFO	NODE LINK				1	1			1
	CONDUIT SIZE	2"	2"	2"	2"	2"	2"	2"	2"



AS BUILT 119904
Contract No. 07-
Resident Engineer: Hillel Amos
Completion Date: October 3, 1997

CCTV AND COMMUNICATIONS SYSTEM ROUTING

SCALE: 1" = 100'

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

E-15

LAST REVISION 03-23-93

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: GLORIA GWYNNE

CALCULATED/DESIGNED BY: RL DATE 3/93 REVISED BY
CHECKED BY: RS 3/93 DATE REVISED

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

CU 07374 EA 119900

FORM DC-OE-92-PF (REV. 3/89)

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	105	R0.5/17.8	35	92

REGISTERED ELECTRICAL ENGINEER 3/23/93

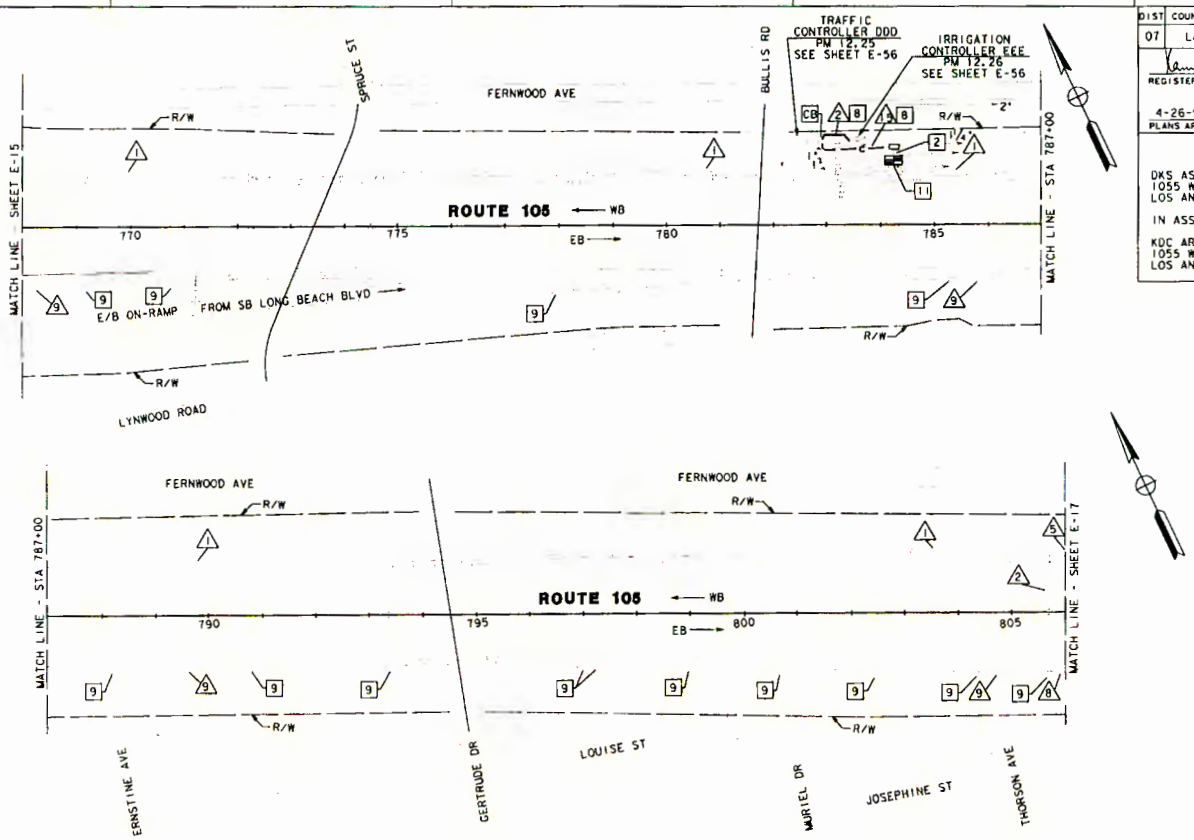
4-26-93
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER KENNETH D CAMP No. E012917 Exp. 3/31/93 ELECTRICAL STATE OF CALIFORNIA

DKS ASSOCIATES
1055 WEST SEVENTH ST., SUITE 2850
LOS ANGELES, CA 90017

IN ASSOCIATION WITH:

KDC ARCHITECTS • ENGINEERS
1055 WEST SEVENTH ST., SUITE 2890
LOS ANGELES, CA 90017



CONDUCTOR SCHEDULE							
CONDUCTOR TYPE	FUNCTION	RUN 1	2	5	8	9	15
50 P22 CABLE	COMMUNICATION DATA	1		1			
6 P22 CABLE	CONTROLLER DATA		1	1	1		2
8 MMFO	CAMERA VIDEO				1	1	
24 SMFO	NODE LINK				1	1	
	CONDUIT SIZE	2"	2"	2"	2"	2"	2"

AS BUILT 119904
Contract No. 07-
Resident Engineer: Hillel Amos
Completion Date: October 3, 1997

CCTV AND COMMUNICATIONS SYSTEM ROUTING

SCALE: 1" = 100'

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

E-16

LAST REVISION 03-23-93

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: GLORIA GWYNNE

CALCULATED/DESIGNED BY: RL DATE 3/93 REVISED BY
CHECKED BY: RS 3/93 DATE REVISED

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

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

CU 07374 EA 119900

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	105	R0.5/17.8	36	92

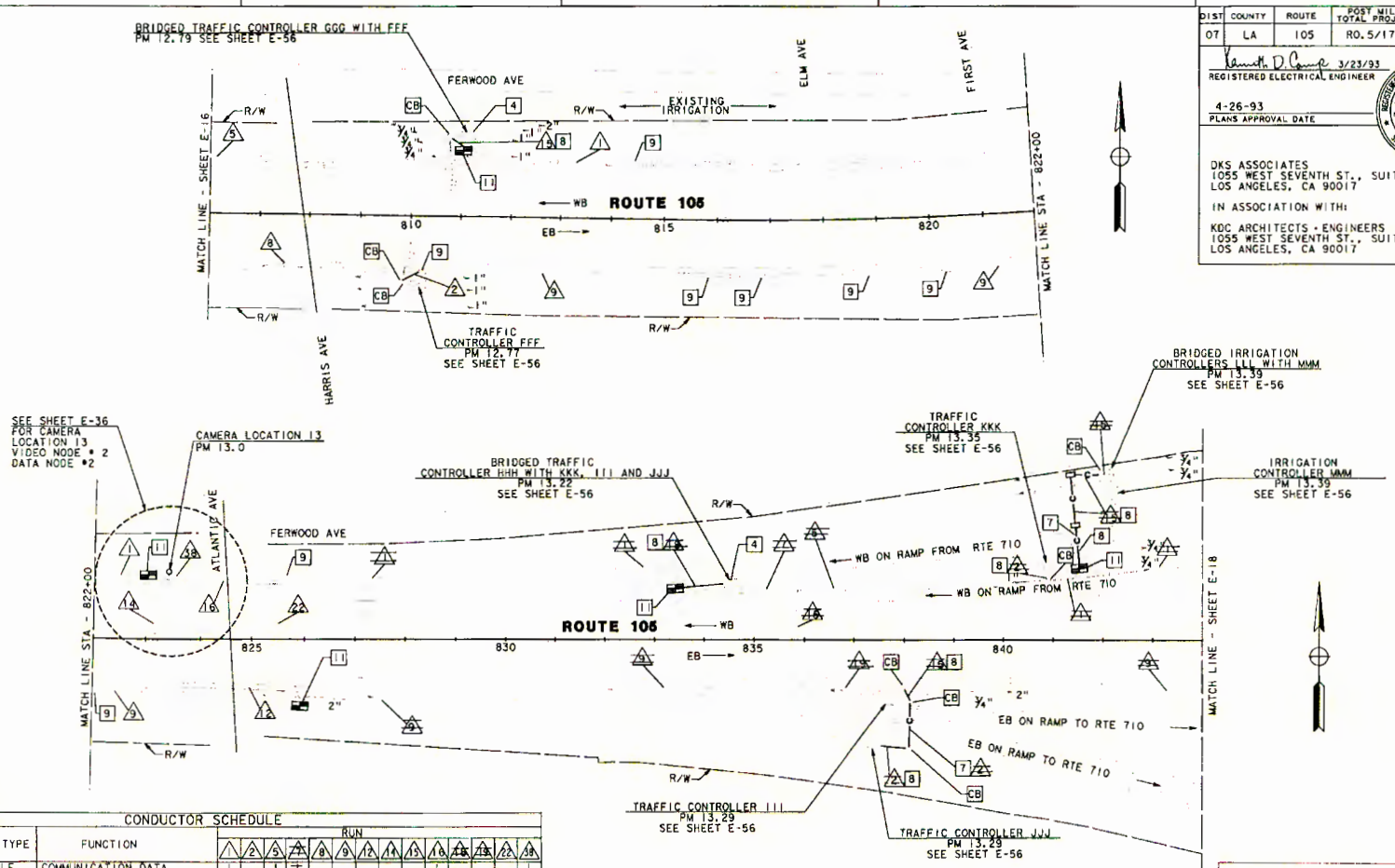
REGISTERED ELECTRICAL ENGINEER 3/23/93

4-26-93
PLANS APPROVAL DATE

DKS ASSOCIATES
1055 WEST SEVENTH ST., SUITE 2850
LOS ANGELES, CA 90017

IN ASSOCIATION WITH:

KDC ARCHITECTS • ENGINEERS
1055 WEST SEVENTH ST., SUITE 2890
LOS ANGELES, CA 90017



CONDUCTOR SCHEDULE

CONDUCTOR TYPE	FUNCTION	RUN 1	2	3	4	8	9	12	14	15	16	18	19	22	23
50 P22 CABLE	COMMUNICATION DATA			1	1						1				1
6 P22 CABLE	CONTROLLER DATA		1	1	3	1				2		4	2		
8 MMFO CABLE	CAMERA VIDEO					1	1		1		1		1	1	1
24 SMFO CABLE	NODE LINK					1	1	1					4		
12 SMFO CABLE	VIDEO/DATA NODE LINK										1				
	CONDUIT SIZE	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"

AS BUILT Contract No. 07- **119904**
Resident Engineer: Hillel Amos
Completion Date: October 3, 1997

CCTV AND COMMUNICATIONS SYSTEM ROUTING

SCALE: 1" = 100'

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

E-17

STATE OF CALIFORNIA — DEPARTMENT OF TRANSPORTATION
DESIGN OVERSIGHT: GLORIA GWYNNE
CALCULATED/DESIGNED BY: RL — DATE: 3/93 — REVISED BY
CHECKED BY: HS — 3/93 — DATE REVISED

FORM DC-OE-92-PF (REV. 3/88)
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3
CU 07374 | EA 119900
LAST REVISION 03-23-93

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	105	R0.5/17.8	37	92

Kenneth D. Camp 3/23/93
REGISTERED ELECTRICAL ENGINEER

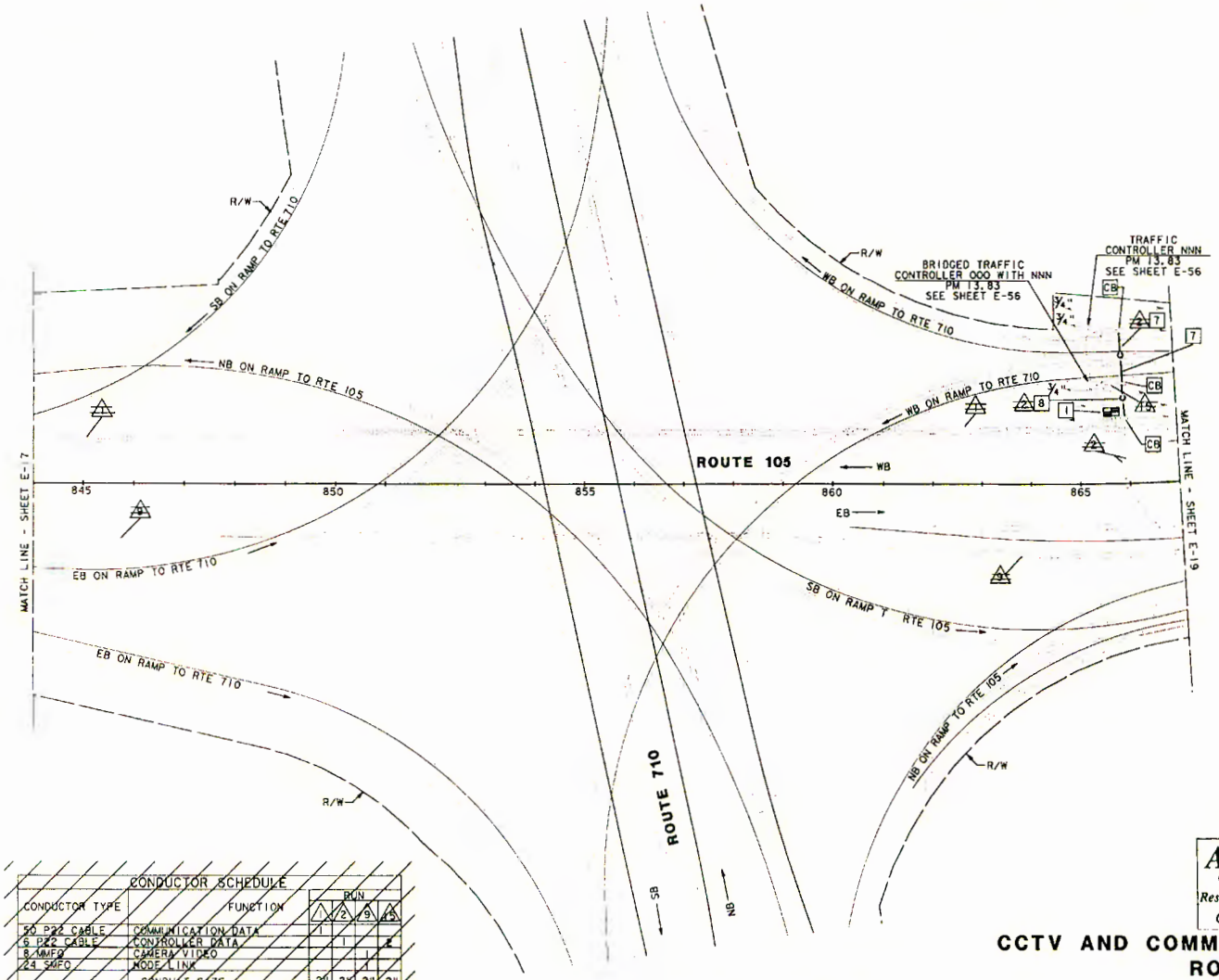
4-26-93
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER KENNETH D. CAMP No. E012917 Exp. 3/31/93 ELECTRICAL STATE OF CALIFORNIA

DKS ASSOCIATES
1055 WEST SEVENTH ST., SUITE 2850
LOS ANGELES, CA 90017

IN ASSOCIATION WITH:

KDC ARCHITECTS • ENGINEERS
1055 WEST SEVENTH ST., SUITE 2890
LOS ANGELES, CA 90017



CONDUCTOR SCHEDULE					
CONDUCTOR TYPE	FUNCTION	RUN 1	2	9	15
50 P22 CABLE	COMMUNICATION DATA	1			
6 P22 CABLE	CONTROLLER DATA		1		2
8 MMFO	CAMERA VIDEO			1	
24 SMFO	NODE LINK			1	
	CONDUIT SIZE	2"	2"	2"	2"

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

AS BUILT 119904
Contract No. 07-
Resident Engineer: Hillel Amos
Completion Date: October 3, 1997

CCTV AND COMMUNICATIONS SYSTEM ROUTING

SCALE: 1" = 100'

E-18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: GLORIA GWYNNE
CALCULATED/DESIGNED BY: RL
CHECKED BY: RS
DATE REVISED: 3/93
REVISED BY: 3/93

LAST REVISION 03-23-93

FORM DC-OE-92-PF (REV. 3/88)
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3
CU 07374
EA 119900
DATE Wed Jul 15 1998 TIME 10:26

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	105	R0.5/17.8	38	92

Kenneth D. Camp 3/23/93
REGISTERED ELECTRICAL ENGINEER

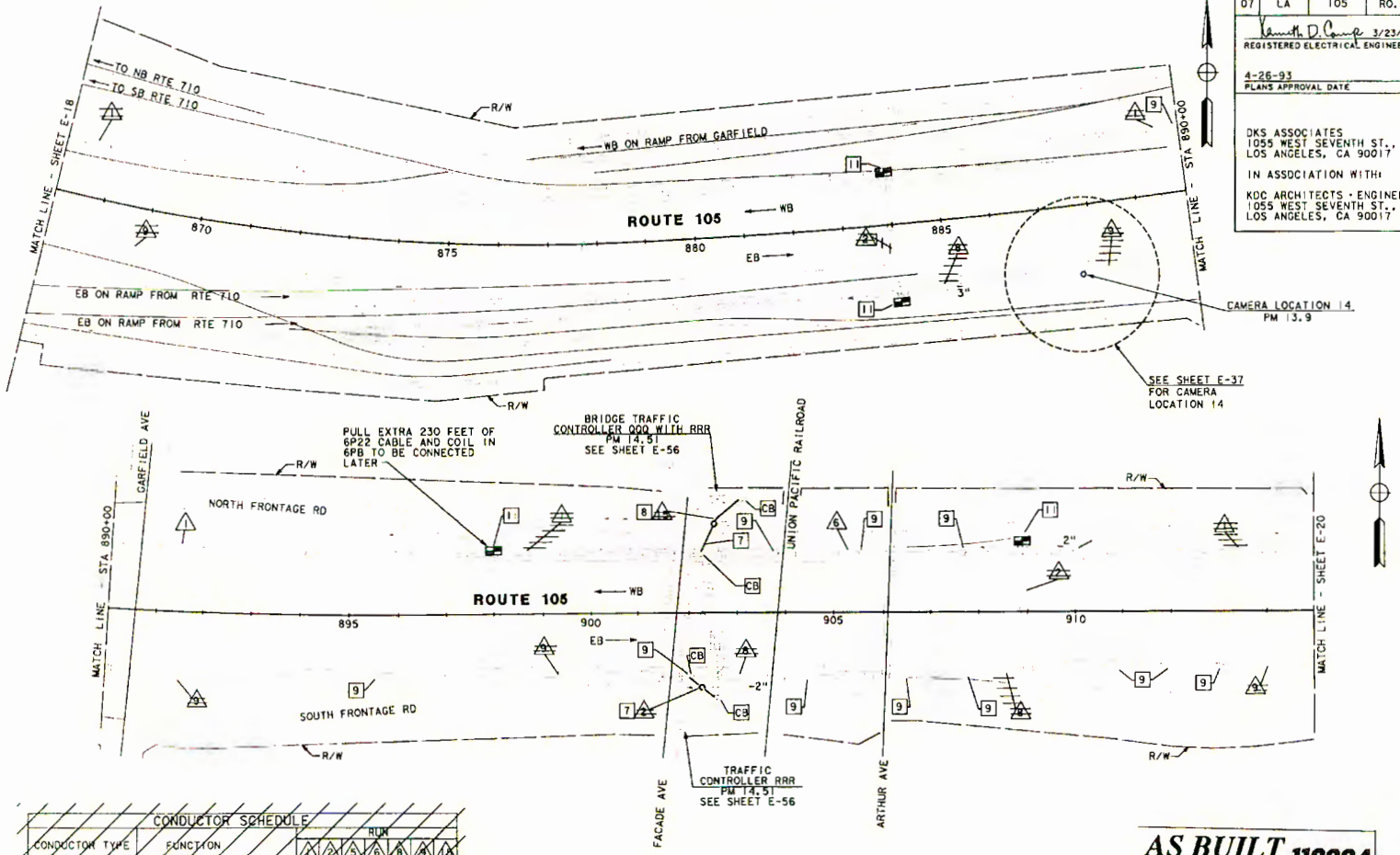
4-26-93
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER KENNETH D CAMP No. E012917 Exp. 3/31/93 ELECTRICAL STATE OF CALIFORNIA

DKS ASSOCIATES
1055 WEST SEVENTH ST., SUITE 2850
LOS ANGELES, CA 90017

IN ASSOCIATION WITH:

KDC ARCHITECTS · ENGINEERS
1055 WEST SEVENTH ST., SUITE 2890
LOS ANGELES, CA 90017



CONDUCTOR SCHEDULE									
CONDUCTOR TYPE	FUNCTION	RUN 1	2	5	6	8	9	10
50 P22 CABLE	COMMUNICATION DATA							
6 P22 CABLE	CONTROLLER DATA		1	1	2	1	1	2
8 MMFO	CAMERA VIDEO							
24 SMFO	NODE LINK							
	CONDUIT SIZE	2"	2"	2"	2"	2"	2"	2"

AS BUILT 119904
Contract No. 07-
Resident Engineer: Hillel Amos
Completion Date: October 3, 1997

CCTV AND COMMUNICATIONS SYSTEM ROUTING

SCALE: 1" = 100'

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

E-19

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: GLORIA GWYNNE
CALCULATED/DESIGNED BY: RL — DATE 3/93
CHECKED BY: RS — DATE REVISED 3/93
REVISED BY

LAST REVISION 03-23-93

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

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

CU 07374 | EA 119900

DATE Wed Jul 15 1998 TIME 10:30