

INFORMATION HANDOUT

For Contract No. 07-305004

At 07-LA-105-R0.4/R2.5

Identified by

Project ID 0714000087

MATERIALS INFORMATION

Fiber Optic System As-Built Drawings

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	105	RO.5/17.8	20	92

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

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

PROJECT NOTES:

- 1 TERMINATE 50P22 CABLE AND COIL IN SPLICE VAULT.
- 2 TRENCH CONDUIT UNDER HIGHWAY WALL STRUCTURE.
- 3 MOUNTING CONDUIT ON VIADUCT STRUCTURE AND COLUMN. SEE SHEET C-4 OR C-5 FOR DETAILS
- 4 INSTALL COMMUNICATIONS TERMINAL BLOCK TELEPHONE BRIDGE IN EXISTING CONTROLLER CABINET. SEE SHEET E-49 FOR DETAILS.
- 5 USE EXISTING TELEPHONE BRIDGE AND CONNECT ASSIGNED CONTROLLER CABINETS.
- 6 PULL EXTRA 50 FEET OF SMFO AND COIL IN SPLICE VAULT TO BE CONNECTED LATER.
- 7 JACK 2" GALVANIZED STEEL CONDUIT BENEATH ROADWAY. SEE SHEET E-42, DETAIL A.
- 8 TRENCH NEW CONDUIT IN SOIL.
- 9 REPLACE EXISTING PB WITH A NEW NO.6(E) PB AND REPLACE EXISTING 90° BEND IN CONDUIT WITH 45° BEND. SEE SHEET E-44, DETAIL B.
- 10 REPLACE EXISTING PB WITH NEW SPLICE VAULT.
- 11 REPLACE EXISTING PB WITH NEW SPLICE VAULT AND REPLACE 90° BEND WITH 45° BEND. SEE SHEET E-44, DETAIL A.

GENERAL NOTES:

1. ALL CONDUIT IS EXISTING UNLESS INDICATED NEW.
2. BEFORE REMOVING OR MODIFYING ANY EXISTING ELECTRICAL FACILITIES, THE CONTRACTOR SHALL GIVE 72 HOURS ADVANCE NOTICE IN WRITING TO THE ENGINEER.
3. SERVICE EQUIPMENT ENCLOSURE SHALL BE LOCATED 10' MINIMUM FROM THE POWER POLE OR VAULT.
4. ELECTRICAL SERVICE INSTALLATION SHALL MEET THE REQUIREMENTS OF EITHER SOUTHERN CALIFORNIA EDISON COMPANY (SCE) OR LOS ANGELES DEPARTMENT OF WATER AND POWER (DWP).
5. CONDUCTORS FROM POWER POLE (OR VAULT) TO SERVICE ENCLOSURE WILL BE INSTALLED BY UTILITY COMPANY.
6. 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.
7. STENCIL CAMERA IDENTIFICATION NUMBER ON POLE IN 3" CHARACTERS 10 FEET ABOVE BASE. SEE SHEET K1 AND K2.
8. EXISTING COMMUNICATION CONDUIT SHOWN OUTSIDE OF THE ROADWAY MIGHT BE UNDER THE PAVED SHOULDER.

LEGEND (SHEET E-2 TO E-41)

-  CCTV ASSEMBLY CAMERA AND POLE
-  SPLICE VAULT SEE SHEET E-43
-  EXISTING SPLICE VAULT INSTALLATION SHOWN ON SHEETS E-2 TO E-23
-  EXISTING CONTROLLER TO BE TIED TO COMMUNICATION SYSTEM
-  NEW CCTV 334 CABINET
-  PROPOSED POWER SERVICE CONDUIT
-  EXISTING POWER SERVICE CONDUIT
-  MANHOLE
-  EXISTING MAGNETOMETERS (100 SCALE)
-  EXISTING DETECTOR LOOPS (100 SCALE)
- PP#XXX POWER POLE NUMBER
- XX SMFO SINGLE MODE FIBER OPTIC CABLE SEE SHEET E-66 FOR ASSIGNMENT
- XX MMFO MULTIMODE FIBER OPTIC CABLE SEE SHEET E-66 FOR ASSIGNMENT
- XX P22 XX PAIR COPPER TELEPHONE CABLE SEE SHEET E-61, E-62, E-63 AND E-64 FOR ASSIGNMENT
- SD STORM DRAIN
- GA XXX CCTV IDENTIFICATION NUMBER: (XXX = POST MILE DESIGNATOR TO ONE DECIMAL PLACE)

ABBREVIATIONS:

- DWP - LOS ANGELES DEPARTMENT OF WATER AND POWER
- SCWC - SOUTHER CALIFORNIA WATER COMPANY
- SCGC - SOUTHERN CALIFORNIA GAS COMPANY
- GTE - GENERAL TELEPHONE AND ELECTRIC
- PAC BELL - PACIFIC BELL
- SCE - SOUTHER CALIFORNIA EDISON
- CCTV - CLOSED CIRCUIT TELEVISION
- COMM - COMMUNICATION
- GA - GLENN ANDERSON
- VX - VIDEO TRANSMITTER
- CCR - CAMERA CONTROL RECEIVER
- VMX - VIDEO MULTIPLEXIER
- OW - ORDER WIRE
- FXO - FOREIGN EXCHANGE OFFICE

CALCULATED/DESIGNED BY	RL	DATE	3/93	REVISOR	RS	DATE	3/93
CHECKED BY	RS	DATE	3/93	REVISOR	RS	DATE	3/93

DESIGN OVERSIGHT
GLORIA GWYNNE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION



LEGEND AND NOTES

E-1

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES



CU 07374

EA 119900

LAST REVISION
03-23-93

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	105	RO.5/17.8	21	92

Kenneth D. Camp 3/23/93
 REGISTERED ELECTRICAL ENGINEER
 4-26-93
 PLANS APPROVAL DATE



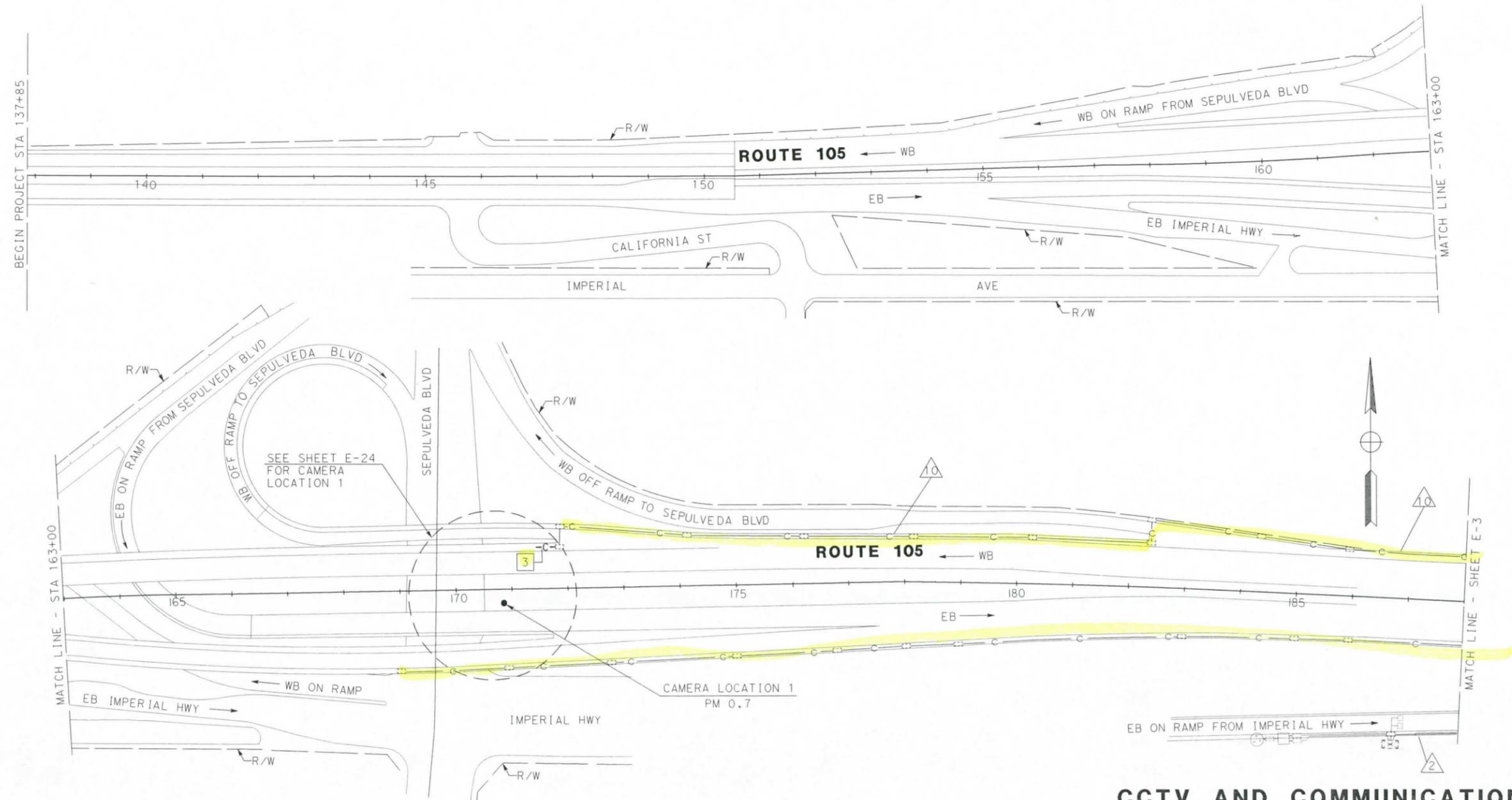
DKS ASSOCIATES
 1055 WEST SEVENTH ST., SUITE 2850
 LOS ANGELES, CA 90017
 IN ASSOCIATION WITH:
 KDC ARCHITECTS • ENGINEERS
 1055 WEST SEVENTH ST., SUITE 2890
 LOS ANGELES, CA 90017

CONDUCTOR SCHEDULE		RUN	
CONDUCTOR TYPE	FUNCTION	2	10
		6 P22 CABLE	CONTROLLER DATA
2 MMFO	SHORT HAUL VIDEO		1
	CONDUIT SIZE	2"	2"

CALCULATED/DESIGNED BY	CHECKED BY	DATE	REVISOR	REVISION
		3/93		

DESIGN OVERSIGHT
 GLORIA GWYNNE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans



CCTV AND COMMUNICATIONS SYSTEM ROUTING

SCALE: 1" = 100'

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



CU 07374

EA 119900

E-2

LAST REVISION
 03-23-93

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	105	RO.5/17.8	22	92

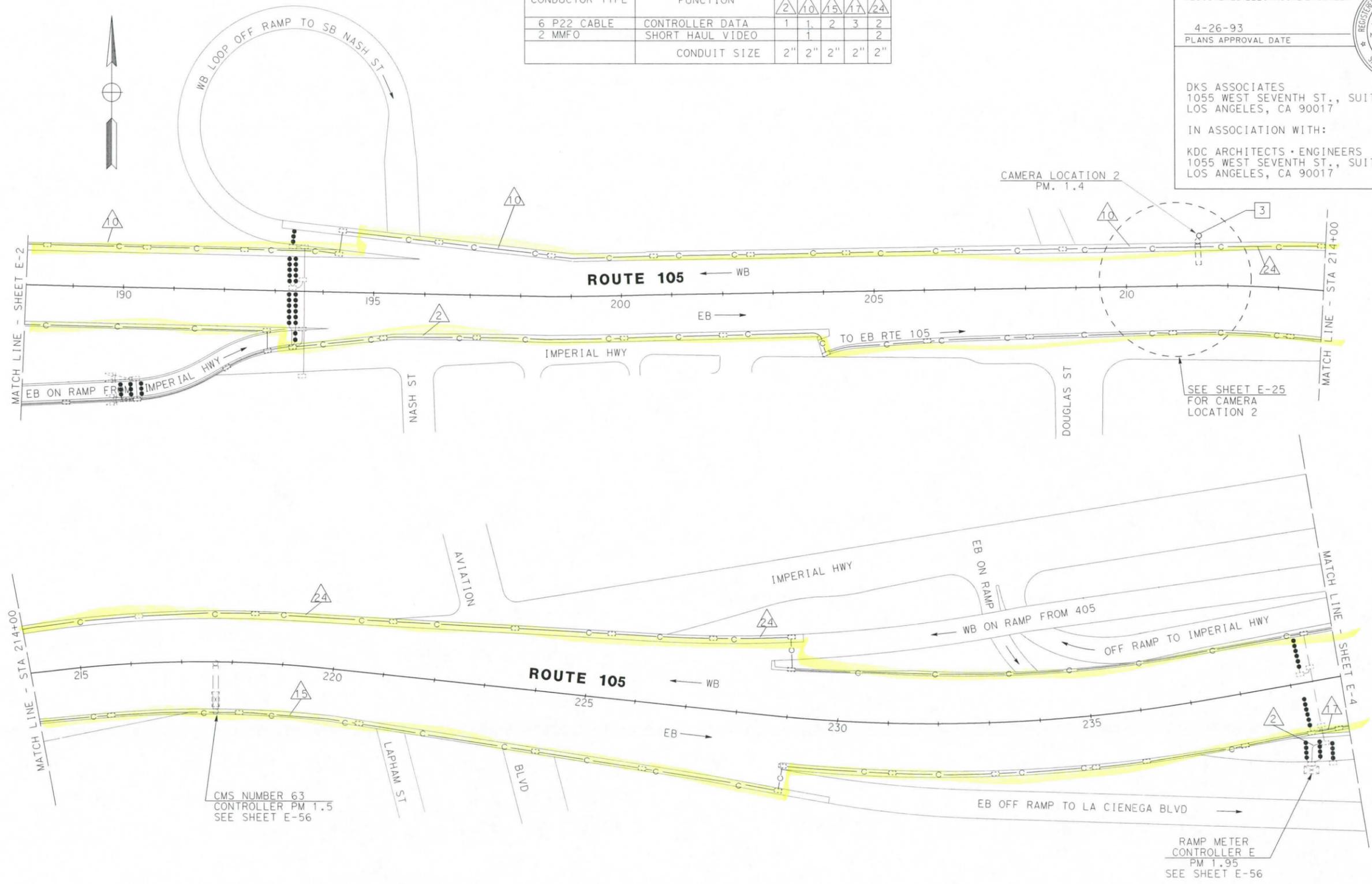
Kenneth D. Camp 3/23/93
 REGISTERED ELECTRICAL ENGINEER
 4-26-93
 PLANS APPROVAL DATE

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 TYPE	FUNCTION	RUN				
		2	10	15	17	24
6 P22 CABLE	CONTROLLER DATA	1	1	2	3	2
2 MMFO	SHORT HAUL VIDEO	1	1	2	3	2
	CONDUIT SIZE	2"	2"	2"	2"	2"



DATE	REVISOR	DATE	REVISION
3/93	RS	3/93	

DESIGN OVERSIGHT
 GLORIA GWYNNE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CCTV AND COMMUNICATIONS SYSTEM ROUTING

SCALE: 1" = 100'

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



CU 07374

EA 119900

E-3

LAST REVISION
 03-23-93

*****DOCSPEC*****
 *****SYTIME*****
 *****USER*****

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	105	RO.5/17.8	23	92

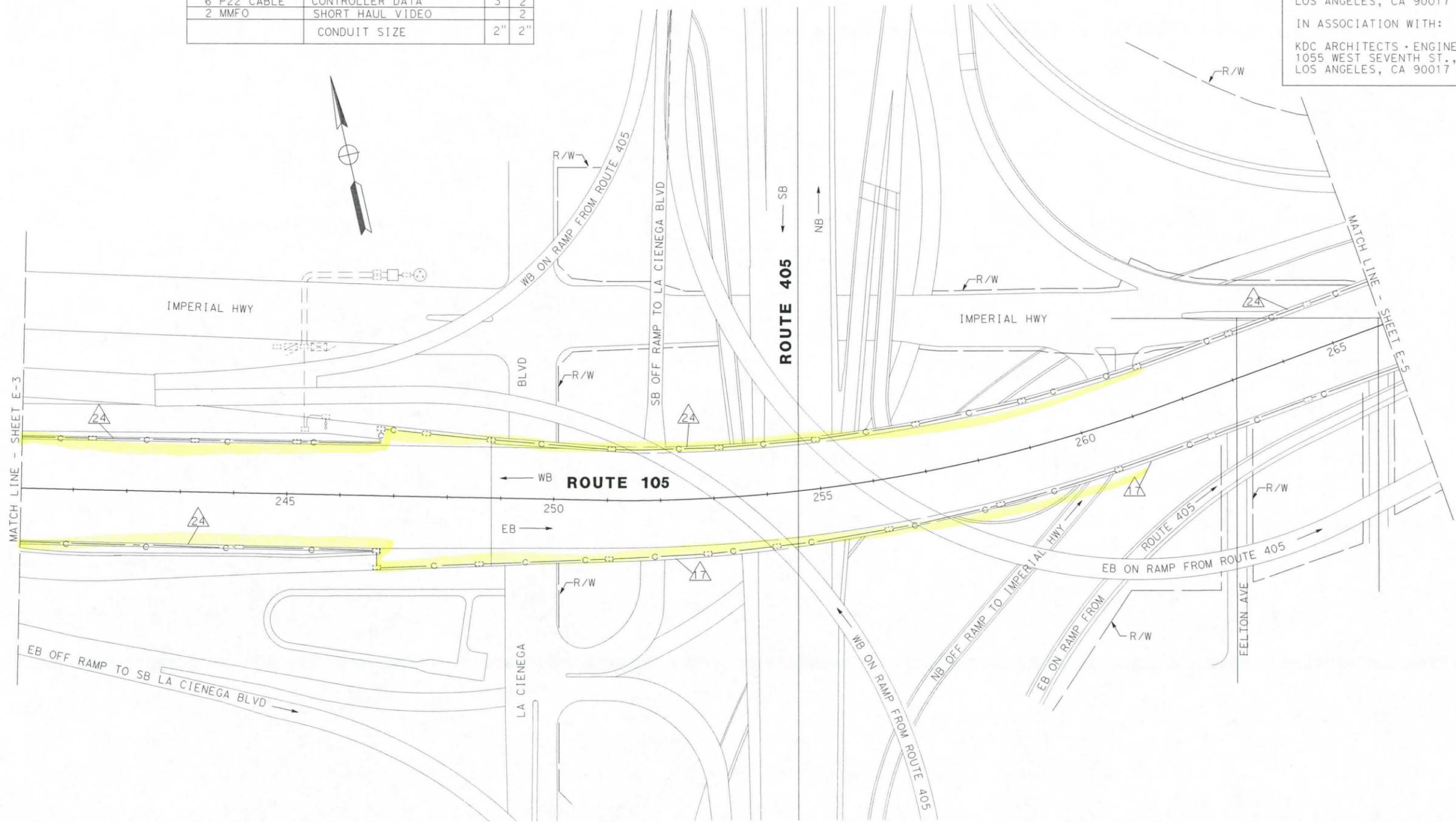
Kenneth D. Camp 3/8/93
 REGISTERED ELECTRICAL ENGINEER
 4-26-93
 PLANS APPROVAL DATE

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	
		17	24
6 P22 CABLE	CONTROLLER DATA	3	2
2 MMFO	SHORT HAUL VIDEO		2
	CONDUIT SIZE	2"	2"



DATE	REVISOR	DATE	REVISOR
3/93	RL	3/93	RS
CALCULATED/DESIGNED BY	CHECKED BY	DATE REVISOR	DATE REVISOR

DESIGN OVERSIGHT
 GLORIA GWYNNE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CCTV AND COMMUNICATIONS SYSTEM ROUTING

SCALE: 1" = 100'

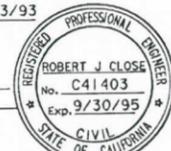
NOTE: THIS PLAN ACCURATE FOR ELECTRICAL ONLY.
 SEE SHEET E-1 FOR LEGEND AND PROJECT NOTES.

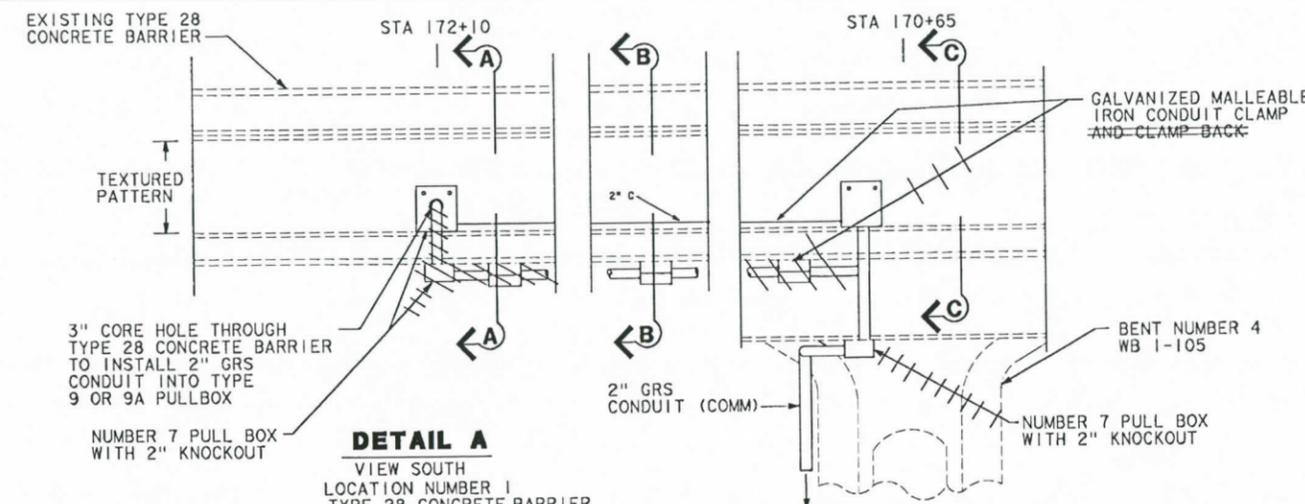


E-4

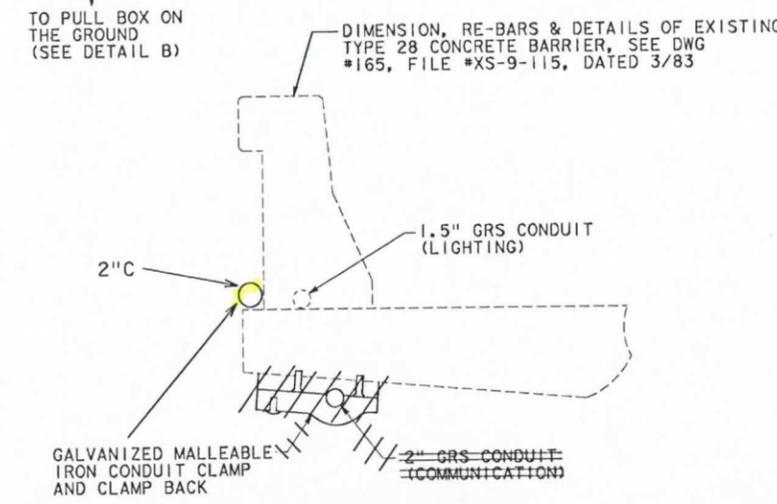
LAST REVISION
 03-23-93

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	105	RO.5/17.8	15	92

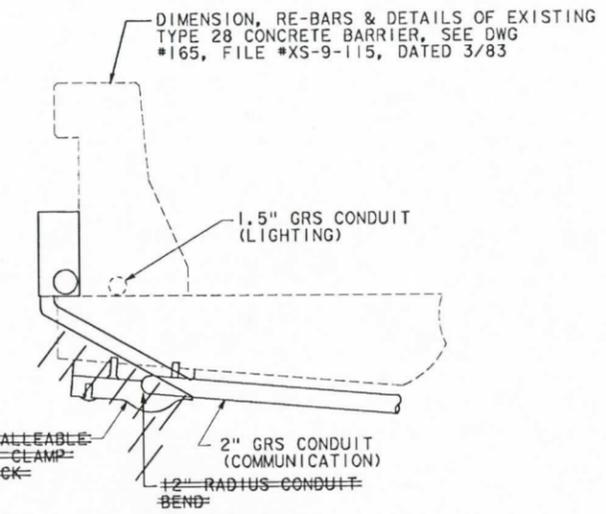
Robert J. Close 3/23/93
 REGISTERED CIVIL ENGINEER
 4-26-93
 PLANS APPROVAL DATE

 DKS ASSOCIATES
 1055 WEST SEVENTH ST., SUITE 2850
 LOS ANGELES, CA 90017
 IN ASSOCIATION WITH:
 GY DIVERSIFIED
 5201 EAST GAGE AVE., SUITE 204
 BELL, CA 90201



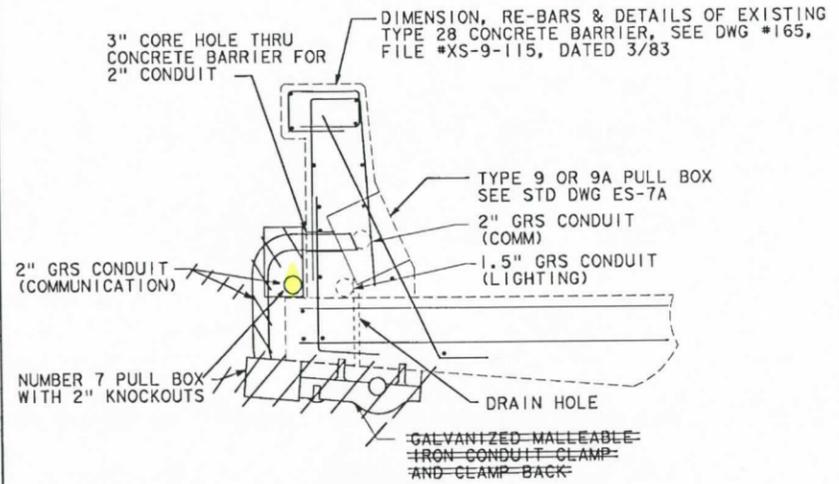
DETAIL A
VIEW SOUTH
LOCATION NUMBER 1
TYPE 28 CONCRETE BARRIER



SECTION B-B
TYPE 28 CONCRETE BARRIER
FOR LOCATION NUMBER 1
STA 172+10 THRU 170+65



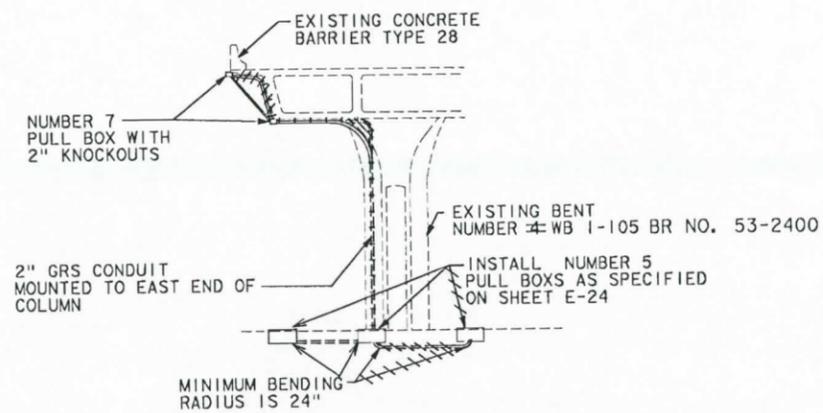
SECTION C-C
TYPE 28 CONCRETE BARRIER
FOR LOCATION NUMBER 1
STA 170+65



SECTION A-A
TYPE 28 CONCRETE BARRIER
FOR LOCATION NUMBER 1
STA 172+10

NOTES: (THIS SHEET)

- CONDUITS MOUNTED ON WALLS OR BRIDGE SUPERSTRUCTURES SHALL BE SUPPORTED AS SHOWN ON PLANS, IN CONFORMANCE WITH SECTION 86-2.05 "INSTALLATION OF CONDUIT"
- ~~CONTRACTOR SHALL USE STEEL BRACKETS AND STEEL HANGERS TO MOUNT CONDUIT ALONG CONCRETE BARRIER AS SHOWN ON THIS PLAN AND AS SPECIFIED IN PROVISION IN SECTION 75-103, "MISCELLANEOUS BRIDGE METALS"~~
- CONDUIT SHALL BE SUPPORTED AT INTERVALS OF NOT MORE THAN 5 FT OR CLOSER INTERVALS AS NECESSARY OR DIRECTED BY THE ENGINEER.
- LOCATION OF EXISTING COMMUNICATION AND STREET LIGHTING CONDUIT IN THE TYPE 28 CONCRETE BARRIER IS APPROXIMATE. CONTRACTOR SHALL CONDUCT A TEST BORE WITH THE ENGINEER PRESENT IN ORDER TO AVOID DAMAGING EXISTING CONDUIT, STIRRUPS, AND REINFORCING STEEL.



DETAIL B
CAMERA LOCATION NO 1
CONDUIT MOUNTING ON COLUMN
STA 170+65

REVISIONS: 3/93
 DATE: 3/93
 FTW: J10
 CHECKED BY: J10
 DESIGN OVERSIGHT: GLORIA GWYNE
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 5th Caltrans

CONSTRUCTION DETAILS
NO SCALE

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

C-4

LAST REVISION 03-23-93

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	105	RO.5/17.8	16	92

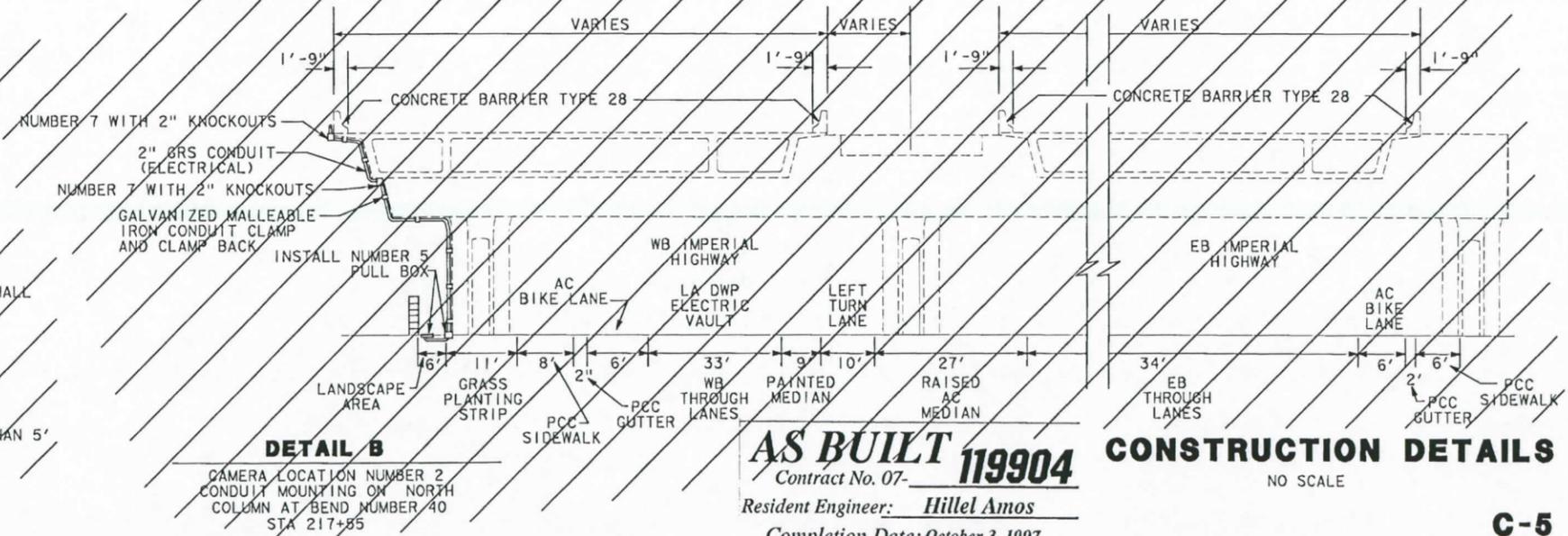
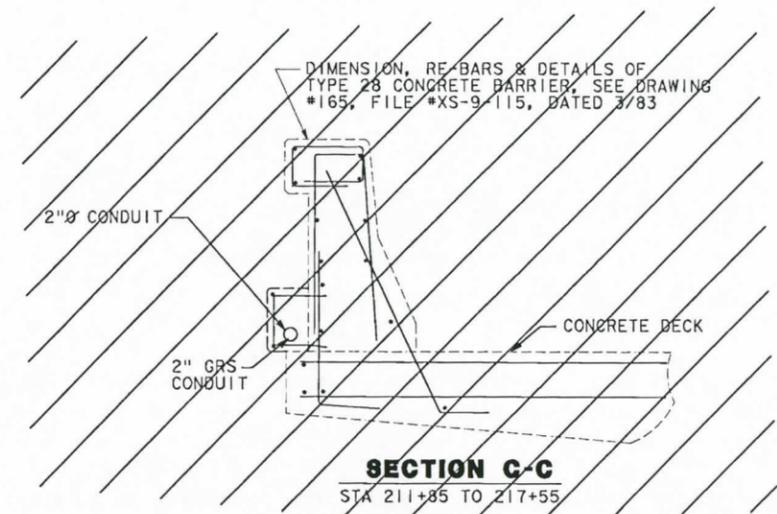
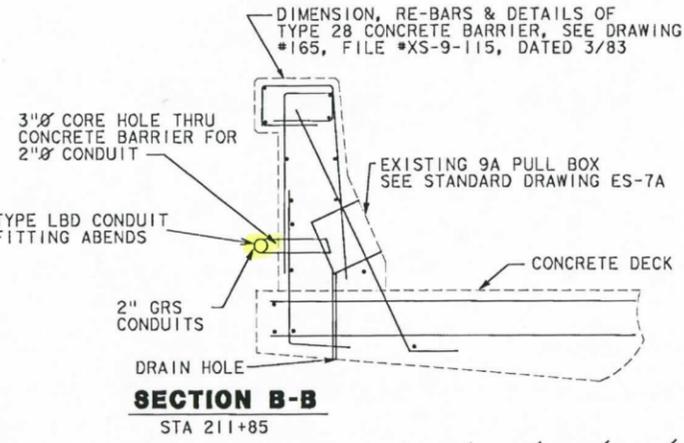
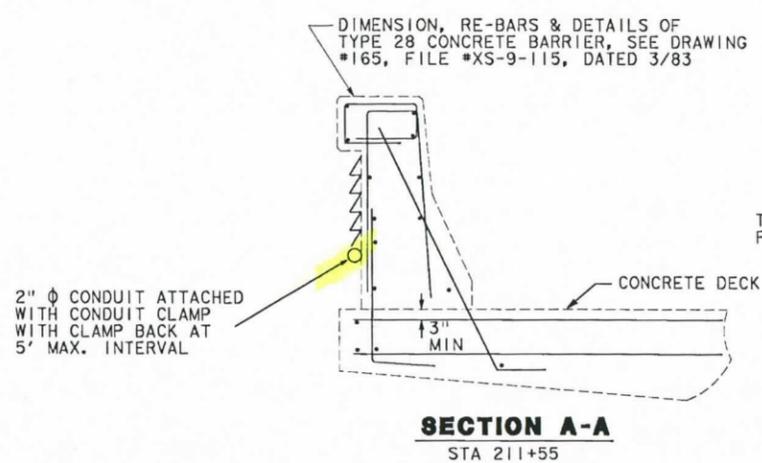
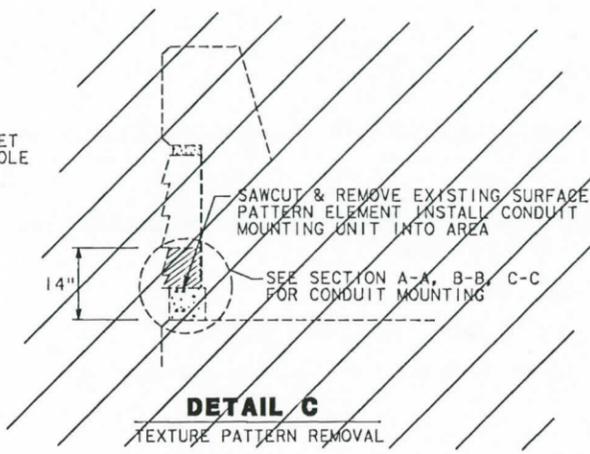
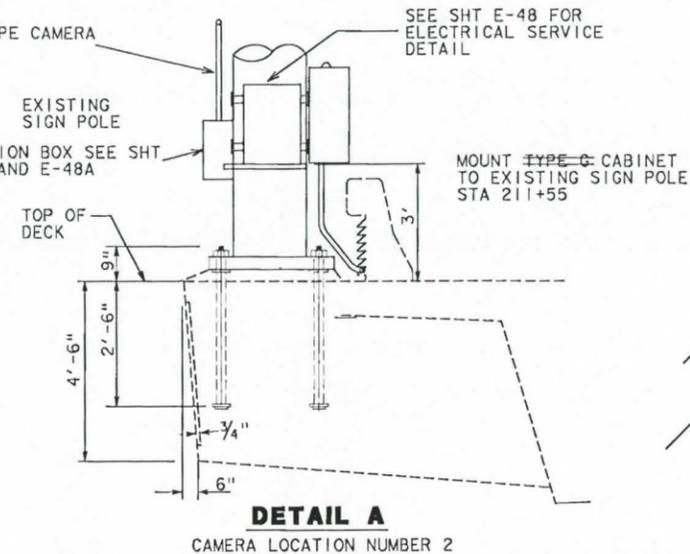
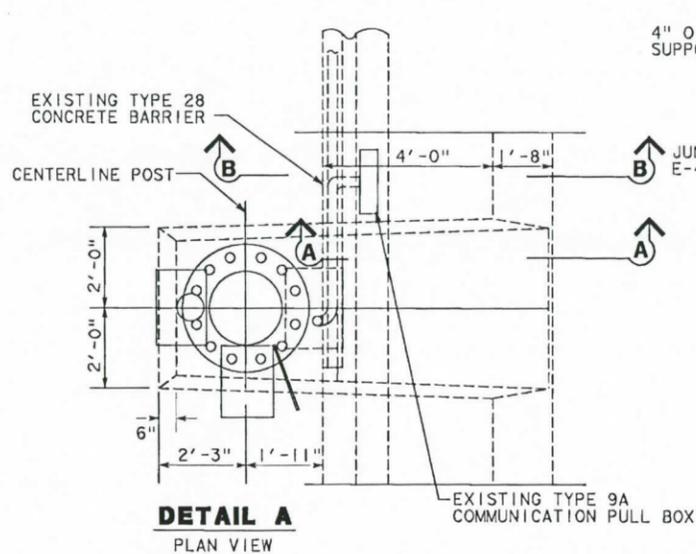
Robert J. Close 3/23/93
REGISTERED CIVIL ENGINEER

4-26-93
PLANS APPROVAL DATE

ROBERT J. CLOSE
No. C41403
Exp. 9/30/95
CIVIL ENGINEER
STATE OF CALIFORNIA

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

IN ASSOCIATION WITH:
GV DIVERSIFIED
5201 EAST GAGE AVE., SUITE 204
BELL, CA 90201

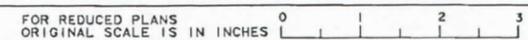


- NOTES: (THIS SHEET)
1. CONDUITS MOUNTED ON WALLS OR BRIDGE SUPERSTRUCTURES SHALL BE SUPPORTED AS SHOWN ON PLANS, IN CONFORMANCE WITH SECTION 86-2.05, "INSTALLATION OF CONDUIT".
 2. CONTRACTOR SHALL USE STEEL BRACKETS AND STEEL HANGERS TO MOUNT CONDUIT ALONG CONCRETE BARRIER WALL AS SHOWN ON PLAN AND AS SPECIFIED IN PROVISION IN SECTION 75-103, "MISCELLANEOUS BRIDGE METALS".
 3. CONDUIT SHALL BE SUPPORTED AT INTERVALS OF NOT MORE THAN 5' OR CLOSER AS NECESSARY OR DIRECTED BY ENGINEER.

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

CONSTRUCTION DETAILS
NO SCALE

C-5



LAST REVISION 03-23-93