INFORMATION HANDOUT

For Contract No. 07-2W9504
At 07-LA-10, 39, 71, 210, 605-Var

Identified by
Project ID 0715000027

07-2W9504
07-LA-10, 39, 71, 210, 605-Var
Project ID 0715000027

MATERIALS INFORMATION

Fiber Optic As-Built Plans

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5, 10	16.9/18.5, 50.0/31.1	96	159

Teri Parola 9/18/95
REGISTERED ELECTRICAL ENGINEER (Date)

12-30-96
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TERI J. PAROLA No. 14898 Exp. 6/30/99 ELECTRICAL STATE OF CALIFORNIA

NATIONAL ENGINEERING TECHNOLOGY
14320 FIRESTONE BLVD., SUITE 100
LA MIRADA, CA 90638

IN ASSOCIATION WITH:

KAWES AND ASSOCIATES, INC.

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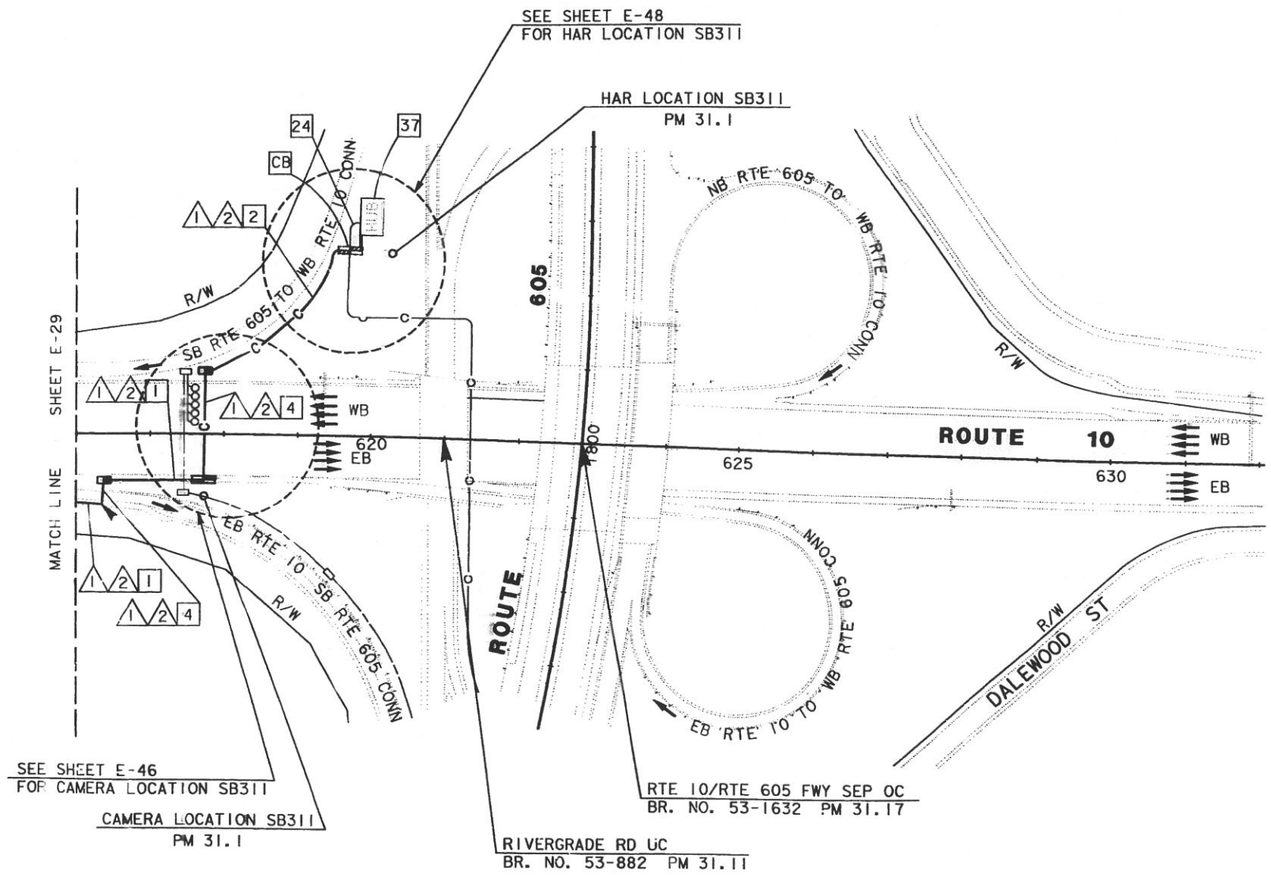
CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)				
CONDUCTOR TYPE	FUNCTION	RUN 1		RUN 2
50P22 CABLE	DATA /PHONE	1		
36SMFO CABLE	VIDEO /DATA		1	
12SMFO CABLE	SH VIDEO		1	
	INNERDUCT		1¼" 1¼"	
	CONDUIT SIZE		4"	4"



PROJECT NOTES: (THIS SHEET ONLY)

1. INSTALL CONDUIT(S) IN TRENCH IN PAVED SHOULDER. MAINTAIN A MINIMUM DISTANCE OF 4 FEET FROM EDGE OF TRAVELWAY. FOR INSTALLATION OF 4" CONDUITS, SEE SHEET E-56 FOR DETAILS.
2. INSTALL CONDUIT(S) IN TRENCH IN SOIL OFF OF THE SHOULDER. FOR INSTALLATION OF 4" CONDUITS, SEE SHEET E-55 FOR DETAILS.
4. JACK RIGID STEEL CONDUIT(S) UNDER ROADWAY. FOR INSTALLATION OF 4" CONDUITS, SEE SHEET E-57 FOR DETAILS.
24. ADD CABLES TO EXISTING CONDUIT.
37. INSTALL CABLE IN EXISTING CONDUIT & CONNECT TO EXISTING FDU IN THE HUB.

AS-BUILT
Contract No. 07- 120734
Resident Engineer: WARREN YUE
Completion Date: 09/18/2000

HAR, CCTV AND COMMUNICATION SYSTEM ROUTING

SCALE: 1"=100'

NOTE: THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.
FOR LEGEND AND PROJECT NOTES SEE SHEETS E-1 AND E-2.

E-30

CALCULATED/ DESIGNED BY	TP	DATE 9/95	REVISED BY
CHECKED BY	JZ	9/95	DATE REVISED

PROJECT ENGINEER PAT SULLIVAN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

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

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

USERNAME => trannda
DGN FILE => [ESC-OE]7 2073u30.psf

CU 07396 EA 120731

00-00-00 PLOTTED => 10-Jan-1997 07:52

Sheet #1005 A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	10	42.4/48.3	1005	1346

REGISTERED CIVIL ENGINEER 03/21/00 DATE

6-12-00
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER FONG-PING LEE No. C040869 Exp. 3/31/03 CIVIL STATE OF CALIFORNIA

Los Angeles County
Metropolitan Transportation Authority
One Gateway Plaza
Los Angeles, CA 90012

FPL and Associates, Inc.
10 Corporates Park, Suite 310
Irvine, California 92606

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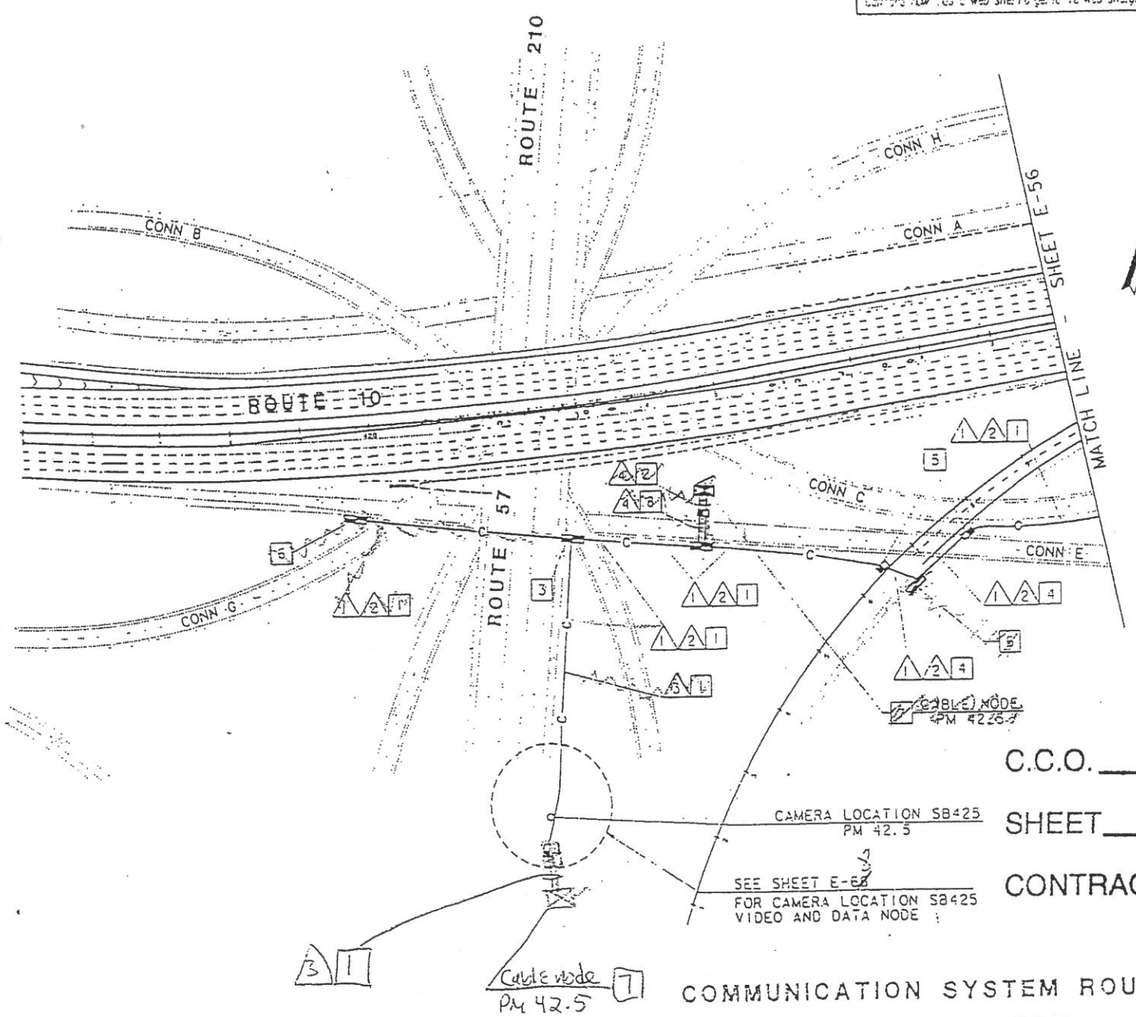
Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.gov

REGISTERED PROFESSIONAL ENGINEER DAVID PADILLA E 16233 EXP. 12-31-04 ELECTRICAL STATE OF CALIFORNIA

D.P.

NOTES: (THIS SHEET ONLY)

1. INSTALL CONDUIT(S) IN TRENCH IN PAVED SHOULDER. MAINTAIN A MINIMUM DISTANCE OF 4 FEET FROM EDGE OF TRAVELLED WAY. FOR INSTALLATION OF 4" CONDUITS, SEE SHEET E-78 FOR DETAILS.
2. INSTALL CONDUIT(S) IN TRENCH IN SOIL OFF OF THE SHOULDER. FOR INSTALLATION OF CONDUITS, SEE SHEET E-77 FOR DETAILS.
3. INSTALL SPLICE VAULT APPROXIMATELY 15 FEET FROM EDGE OF STRUCTURE, WITH ~~TWISTED PAIR~~ AND FIBER OPTIC SPLICE CLOSURE. COIL 100 FEET OF ALL CABLES IN THE SPLICE VAULT.
4. JACK RIGID STEEL CONDUIT(S) UNDER ROADWAY. FOR INSTALLATION OF 4" CONDUITS, SEE SHEET E-79 FOR DETAILS.
5. INSTALL COMMUNICATIONS PULL BOX APPROXIMATELY 15 FEET FROM EDGE OF STRUCTURE.
6. INSTALL SPLICE VAULT APPROXIMATELY 15 FEET FROM EDGE OF STRUCTURE, WITHOUT TWISTED PAIR AND FIBER OPTIC SPLICE CLOSURES. COIL 100 FEET OF ALL CABLES IN THE SPLICE VAULT.
7. MODEL 334 CABINET. CABINET SHALL INCLUDE FDU. SEE DETAIL 7 SHEET E-87 AND DETAIL E SHEET E-89.
8. JACK RIGID STEEL CONDUIT(S) UNDER ROADWAY. FOR INSTALLATION OF CONDUITS, SEE SHEET E-79 FOR DETAILS.



CONDUIT AND CONDUCTOR SCHEDULE								
CONDUCTOR TYPE	FUNCTION	RUN 1		2	3	4		3
~~5CP22 CABLE~~	~~DATA/PHONE~~	1			2			1
60SMFO CABLE	TRUNK	1			1		2	1
~~12SMFO CABLE~~	~~SH VIDEO~~		2		2			2
~~6SMFO 3-C CABLE~~	~~SH VIDEO~~ 6SMFO				1			2
	INNERDUCT	1¼"	1¼"		1¼"			
	CONDUIT SIZE	4"		4"	3"	3"	3"	3"

48SMFO Cable

C.C.O. 111

SHEET 5 OF 45

CONTRACT NO. 07-1224U4

COMMUNICATION SYSTEM ROUTING AND CABLE NODE (LOCATION SB425)

SCALE: 1" = 100'

E-55

NOTE:
FOR LEGEND AND GENERAL NOTES SEE SHEETS E-54.

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

DESIGN OVERSIGHT: REFUGIO DOMINGUEZ

CALCULATED/DESIGNED BY: KW DATE 3/00 | CHECKED BY: TT 3/00 | REVISED BY | DATE REVISED

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

USERNAME => rmirzi
DGN FILE => 07-1224U1*1005_06124716

CU 07279 | EA 1224U1

TEST REVISION 00-00-00 | DATE PLOTTED => 6-JUL-00 | TIME PLOTTED => 12:50

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	10	42.4/48.3	1006	1346

REGISTERED CIVIL ENGINEER 03/21/00 DATE

6-12-00
PLANS APPROVAL DATE

PROFESSIONAL ENGINEER REGISTERED FONG-PING LEE No. C040869 Exp. 3/31/03 CIVIL STATE OF CALIFORNIA

Los Angeles County
Metropolitan Transportation Authority
One Gateway Plaza
Los Angeles, CA 90012

FPL and Associates, Inc.
10 Cropporates Park, Suite 310
Irvine, California 92606

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Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.gov

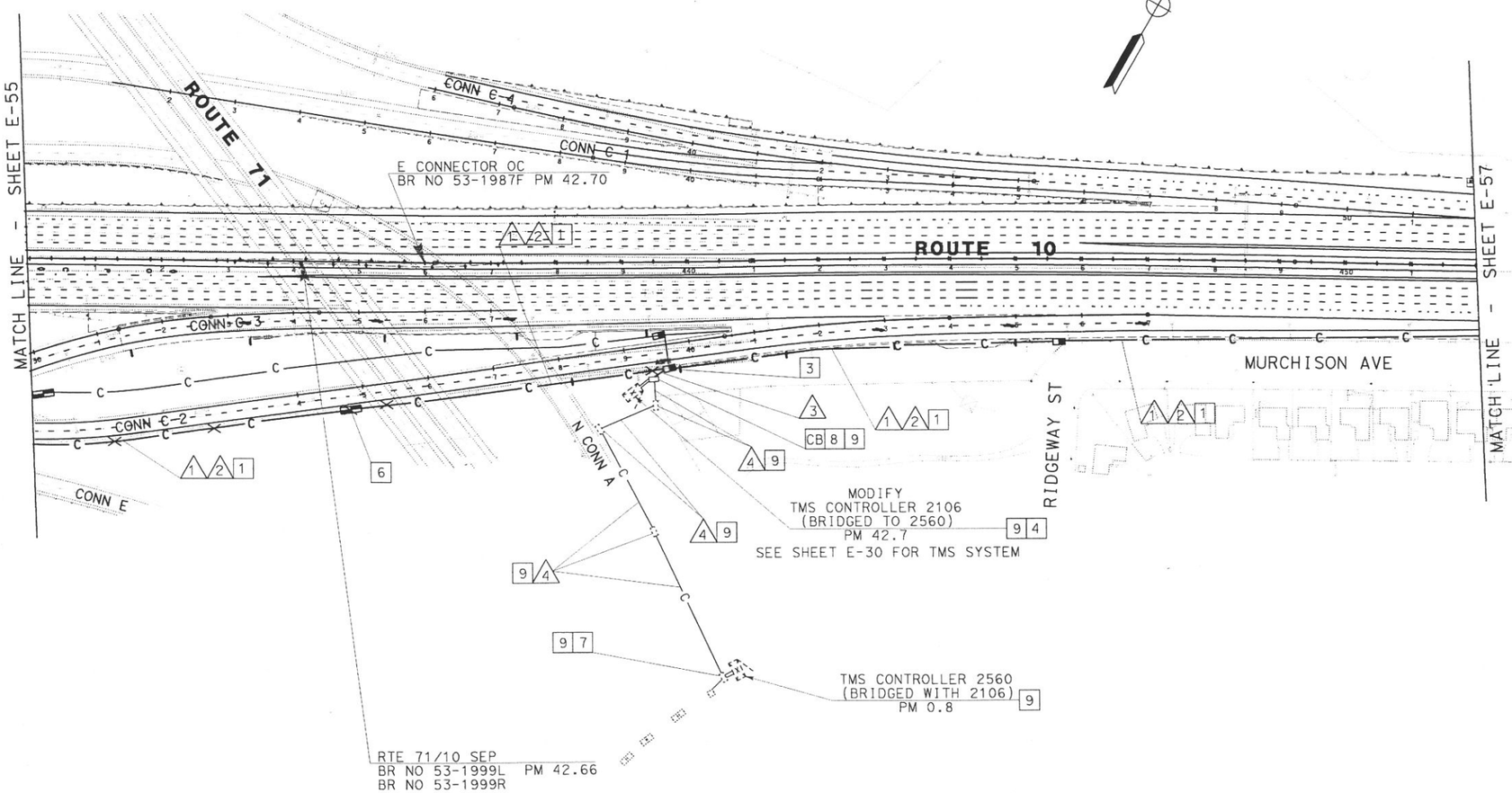
CONDUIT AND CONDUCTOR SCHEDULE

CONDUCTOR TYPE	FUNCTION	RUN 1			RUN 2	RUN 3	RUN 4
~~50P22 CABLE~~	~~DATA/PHONE~~	1					
~~6P22 CABLE~~ 12 SMFO	DATA/PHONE					2	1
60SMFO CABLE	TRUNK		1	2			
48 ~~12~~SMFO CABLE	SH VIDEO CTV CTRL/O			1			
	INNERDUCT		1¼"	1¼"			
	CONDUIT SIZE	4"			4"	2"	2"

AS BUILT
CONTRACT No. 1224U4
C.C.A. DATE 03/10/2005
R.E. NAME PATRICIA GALVAN

NOTES: (THIS SHEET ONLY)

1. INSTALL CONDUIT(S) IN TRENCH IN PAVED SHOULDER. MAINTAIN A MINIMUM DISTANCE OF 4 FEET FROM EDGE OF TRAVELED WAY. FOR INSTALLATION OF 4" CONDUITS, SEE SHEET E-77 FOR DETAILS.
2. INSTALL CONDUIT(S) IN TRENCH IN SOIL OFF OF THE SHOULDER. FOR INSTALLATION OF 4" CONDUITS, SEE SHEET E-77 FOR DETAILS.
3. ~~INSTALL TWISTED PAIR SPLICE CLOSURE IN COMMUNICATION PULL BOX. SEE SHEETS E-81 TO E-83 FOR DETAILS. SPLICE IN/OUT PAIRS AS SHOWN ON TWISTED PAIR ASSIGNMENT TABLE SHEET E-90 AND E-91.~~ See E-88
4. ~~INSTALL TELEPHONE BRIDGE AND 12-PAIR TERMINAL BLOCK IN EXISTING CONTROLLER CABINET FOR FUTURE USE. SEE SHEET E-84 AND SHEET E-86 DETAIL 1.~~ INSTALL CMIC term cable in control
5. INSTALL COMMUNICATIONS PULL BOX APPROXIMATELY 15 FEET FROM EDGE OF STRUCTURE.
6. INSTALL SPLICE VAULT APPROXIMATELY 15 FEET FROM EDGE OF STRUCTURE, WITHOUT TWISTED PAIR AND FIBER OPTIC SPLICE CLOSURES. COIL 100 FEET OF ALL CABLES IN THE SPLICE VAULT.
7. COIL 30 FEET OF ~~6P22 CABLE~~ 12 SM FO IN PULL BOX FOR FUTURE CONNECTION TO TMS2106.
8. COIL 30 FEET OF ~~6P22 CABLE~~ 12 SM FO IN PULL BOX FOR FUTURE CONNECTION TO TMS2560.
9. THIS ITEM IS NOT INCLUDED IN THE QUANTITIES FOR PAYMENT ON THIS SHEET. SEE TRAFFIC MONITORING STATION (TMS) PLAN FOR CONDUITS, PULL BOXES AND ADDITIONAL CONDUCTORS.



COMMUNICATION SYSTEM ROUTING

SCALE: 1" = 100'

E-56

NOTE:
FOR LEGEND AND GENERAL NOTES SEE SHEETS E-54.

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: REFUGIO DOMINGUEZ

CALCULATED/DESIGNED BY: KW | DATE 3/00 | REVISED BY
CHECKED BY: TT | 3/00 | DATE REVISED

LAST REVISION 00-00-00 | DATE PLOTTED => 11-JUN-2008 | TIME PLOTTED => 14:15

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

USERNAME => s133351
DGN FILE => 71224u0056.dgn

CU 07279 | EA 1224U1

DIST	COUNTY	ROUTE	POST MILE TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	605	20.2/25.8	1	96

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY

IN LOS ANGELES COUNTY, IN BALDWIN PARK, EL MONTE AND IRWINDALE ON ROUTE 605 FROM THE ROUTE 10/605 SEPARATION TO THE ROUTE 210/605 SEPARATION

To be supplemented by Standard Plans dated July, 1992

INDEX OF SHEETS

Sheet No.	
1	Title and Location Map
2-3	Standard Plans List
4	Key Map and Line Index
5-8	Layouts
9-22	Construction Details
23-34	Utility Plans
35-36	Traffic Handling Plan
37	Construction Area Signs
38	Summary of Quantities
39	Sign Details and Quantities
40	Retaining Wall Plan
41-89	Electrical Plans
90-95	Revised Standard Plans
96	New Standard Plans

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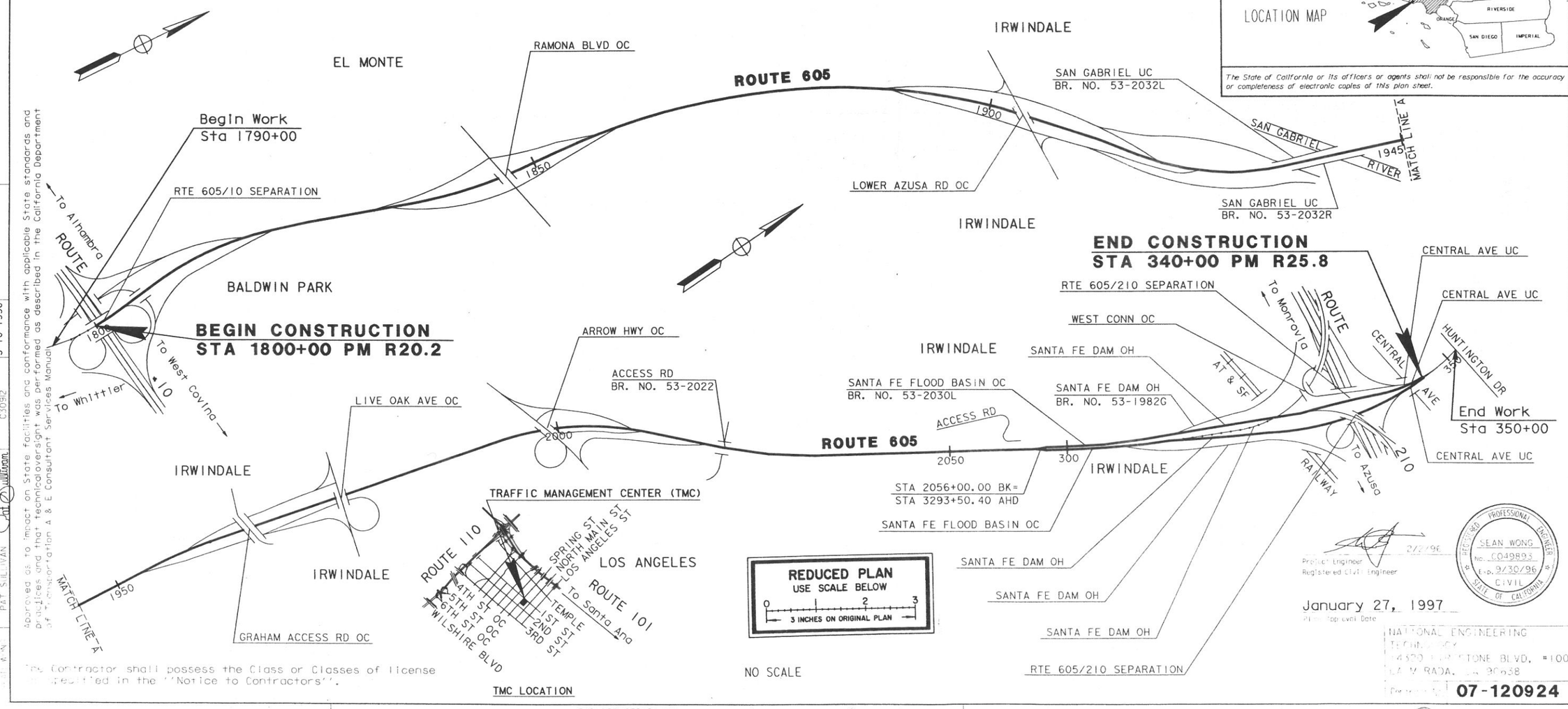

Approved as to impact on State facilities and conformance with applicable State standards and practices and that technical oversight was performed as described in the California Department of Transportation A & E Consultant Services Manual.

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

DES ON OVERSIGHT APPROVAL | PRINTED NAME PAT SULLIVAN | SIGNATURE | REGISTRATION NO. C3092 | DATE 5-10-1996

Project Engineer
Registered Civil Engineer
2/2/96

REGISTERED PROFESSIONAL ENGINEER
SEAN WONG
No. C049893
Exp. 9/30/96
CIVIL
STATE OF CALIFORNIA

January 27, 1997
Plan Approval Date

NATIONAL ENGINEERING TECHNOLOGY
14320 FIRESTONE BLVD. #100
LA MIRADA, CA 90638

07-120924

LAST REVISION 00-00-00

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	605	20.2/25.8	47	96

Teri Parola 2/2/96
REGISTERED ELECTRICAL ENGINEER (Date)

1-27-97
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TERI J. PAROLA
No. 14898
Exp. 6/30/99
ELECTRICAL
STATE OF CALIFORNIA

NATIONAL ENGINEERING TECHNOLOGY
14320 FIRESTONE BLVD., SUITE 100
LA MIRADA, CA 90638

IN ASSOCIATION WITH:

RAYTHEON INFRASTRUCTURE SERVICES, INC.
ABRATIQUE AND ASSOCIATES, INC.
KATZ OKITSU AND ASSOCIATES
WAGNER ENGINEERING AND SURVEY, INC.

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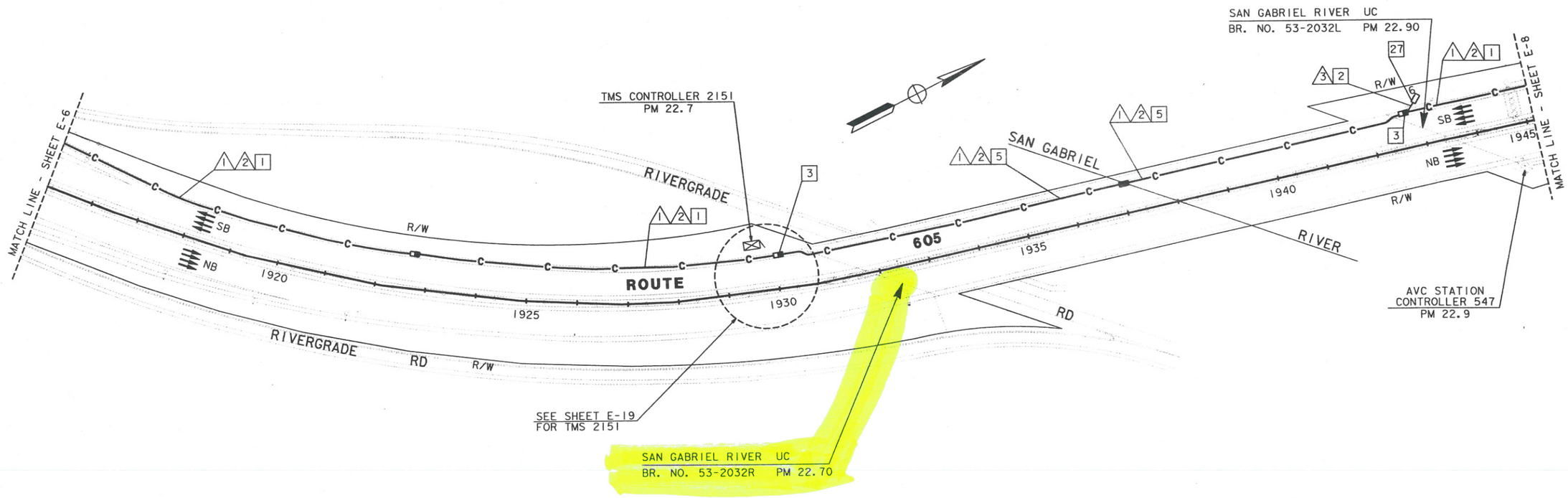
CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

CONDUCTOR TYPE	FUNCTION	RUN 1			RUN 2	RUN 3
50P22 CABLE	DATA /PHONE	1				
6P22 CABLE	DATA /PHONE					1
48SMFO CABLE	VIDEO /DATA		1			
12SMFO CABLE	SH VIDEO			1		
	INNERDUCT		1¼"	1¼"		
	CONDUIT SIZE	4"			4"	2"

PROJECT NOTES: (THIS SHEET ONLY)

1. INSTALL CONDUIT(S) IN TRENCH IN PAVED SHOULDER. MAINTAIN A MINIMUM DISTANCE OF 4 FEET FROM EDGE OF TRAVELED WAY. FOR INSTALLATION OF 4" CONDUITS, SEE SHEET E-27 FOR DETAILS.
2. INSTALL CONDUIT(S) IN TRENCH IN SOIL OFF OF THE SHOULDER. FOR INSTALLATION OF 4" CONDUITS, SEE SHEET E-26 FOR DETAILS.
3. INSTALL TWISTED PAIR SPLICE CLOSURE IN COMMUNICATION PULL BOX. SEE SHEETS E-30 AND E-31 FOR DETAILS.
5. INSTALL FIBERGLASS REINFORCED EPOXY (FRE) CONDUIT(S) ON STRUCTURE. SEE SHEETS C-1 TO C-5 FOR DETAILS.
27. COIL 25 FEET OF 6P22 TWISTED PAIR CABLE IN PULL BOX FOR AVC. SPLICE IN/OUT PAIRS TOGETHER USING A TWISTED PAIR SPLICE CLOSURE.



TMS AND COMMUNICATION SYSTEM ROUTING

SCALE: 1"=100'

NOTE: THIS SHEET ACCURATE FOR ELECTRICAL WORK ONLY.
FOR LEGEND AND PROJECT NOTES SEE SHEETS E-1 AND E-2.

E-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: PAT SULLIVAN
CALCULATED/DESIGNED BY: DL DATE 2/96
CHECKED BY: TP 2/96
REVISED BY
DATE REVISED

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

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DGN FILE => [ESC OE1712092.07.dgn]

CU 07396

EA 120921

LAST REVISION 00-00-00
TIME PLOTTED => 31-Jan-1997 11:21

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	605	20.2/25.8	49	96

Teri Parola 2/2/96
REGISTERED ELECTRICAL ENGINEER (Date)

1-27-97
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TERI J. PAROLA No. 14898 Exp. 6/30/99 ELECTRICAL STATE OF CALIFORNIA

NATIONAL ENGINEERING TECHNOLOGY
14320 FIRESTONE BLVD., SUITE 100
LA MIRADA, CA 90638

IN ASSOCIATION WITH:

RAYTHEON INFRASTRUCTURE SERVICES, INC.
ABRATIQUE AND ASSOCIATES, INC.
KATZ OKITSU AND ASSOCIATES
WAGNER ENGINEERING AND SURVEY, INC.

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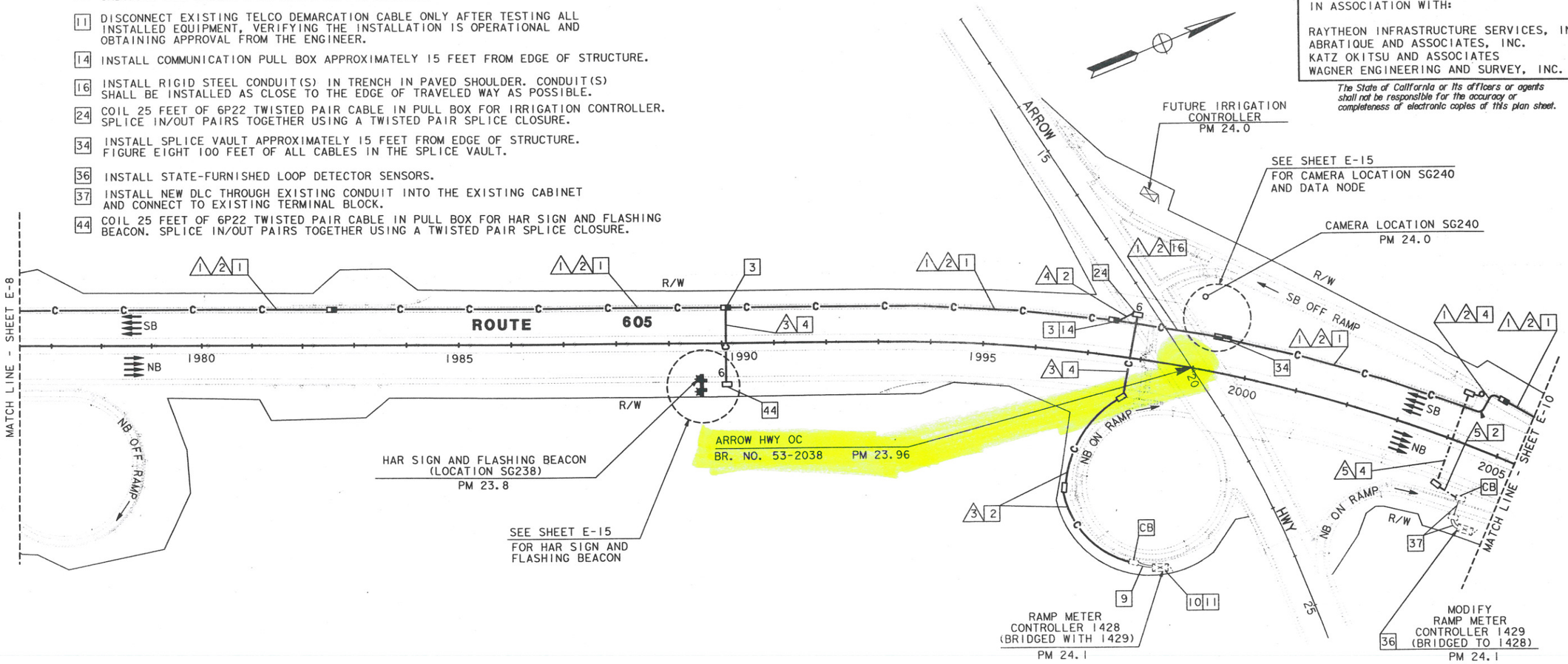
PROJECT NOTES:(THIS SHEET ONLY)

1. INSTALL CONDUIT(S) IN TRENCH IN PAVED SHOULDER. MAINTAIN A MINIMUM DISTANCE OF 4 FEET FROM EDGE OF TRAVELED WAY. FOR INSTALLATION OF 4" CONDUITS, SEE SHEET E-27 FOR DETAILS.
2. INSTALL CONDUIT(S) IN TRENCH IN SOIL OFF OF THE SHOULDER. FOR INSTALLATION OF 4" CONDUITS, SEE SHEET E-26 FOR DETAILS.
3. INSTALL TWISTED PAIR SPLICE CLOSURE IN COMMUNICATION PULL BOX. SEE SHEETS E-30 AND E-31 FOR DETAILS.
4. JACK RIGID STEEL CONDUIT(S) UNDER ROADWAY. FOR INSTALLATION OF 4" CONDUITS, SEE SHEET E-28 FOR DETAILS.
9. ADD CABLE(S) AND CONNECT TO CONTROLLER.
10. INSTALL TELEPHONE BRIDGE AND 12-PAIR TERMINAL BLOCK IN CONTROLLER CABINET. SEE SHEETS E-33 AND E-36 FOR DETAILS.
11. DISCONNECT EXISTING TELCO DEMARCATION CABLE ONLY AFTER TESTING ALL INSTALLED EQUIPMENT, VERIFYING THE INSTALLATION IS OPERATIONAL AND OBTAINING APPROVAL FROM THE ENGINEER.
14. INSTALL COMMUNICATION PULL BOX APPROXIMATELY 15 FEET FROM EDGE OF STRUCTURE.
16. INSTALL RIGID STEEL CONDUIT(S) IN TRENCH IN PAVED SHOULDER. CONDUIT(S) SHALL BE INSTALLED AS CLOSE TO THE EDGE OF TRAVELED WAY AS POSSIBLE.
24. COIL 25 FEET OF 6P22 TWISTED PAIR CABLE IN PULL BOX FOR IRRIGATION CONTROLLER. SPLICE IN/OUT PAIRS TOGETHER USING A TWISTED PAIR SPLICE CLOSURE.
34. INSTALL SPLICE VAULT APPROXIMATELY 15 FEET FROM EDGE OF STRUCTURE. FIGURE EIGHT 100 FEET OF ALL CABLES IN THE SPLICE VAULT.
36. INSTALL STATE-FURNISHED LOOP DETECTOR SENSORS.
37. INSTALL NEW DLC THROUGH EXISTING CONDUIT INTO THE EXISTING CABINET AND CONNECT TO EXISTING TERMINAL BLOCK.
44. COIL 25 FEET OF 6P22 TWISTED PAIR CABLE IN PULL BOX FOR HAR SIGN AND FLASHING BEACON. SPLICE IN/OUT PAIRS TOGETHER USING A TWISTED PAIR SPLICE CLOSURE.

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

CONDUCTOR TYPE	FUNCTION	RUN 1			RUN 2	RUN 3	RUN 4	RUN 5
50P22 CABLE	DATA /PHONE	1						
6P22 CABLE	DATA /PHONE					1	2	
48SMFO CABLE	VIDEO /DATA		1					
12SMFO CABLE	SH VIDEO			1				
DLC	RAMP COUNT							1
	INNERDUCT		1¼"	1¼"				
	CONDUIT SIZE	4"			4"	2"	2"	2"



LOOP DETECTOR, CCTV, HAR SIGN AND FLASHING BEACON AND COMMUNICATION SYSTEM ROUTING

SCALE: 1"=100'

NOTE: THIS SHEET ACCURATE FOR ELECTRICAL WORK ONLY.
FOR LEGEND AND PROJECT NOTES SEE SHEETS E-1 AND E-2.

E-9

DATE	REVISED BY	DATE REVISED
2/96	DL	TP 2/96

CALCULATED/DESIGNED BY | CHECKED BY

DESIGN OVERSIGHT
PAT SULLIVAN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00

TIME PLOTTED => 31-Jan-1997 12:29

FORM TC-OF 42-PF (REV. 3/89)

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

USERNAME => trannda
DGN FILE => [ESC-OE]712092D09..DF

CU 07396

EA 120921

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	40.0/61.8	1	179

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY

IN LOS ANGELES COUNTY IN PASADENA, ARCADIA, MONROVIA, DUARTE, AND IRWINDALE FROM ROUTE 134 TO ROUTE 605

To be supplemented by Standard Plans dated July, 1995

INDEX OF SHEETS

Sheet Number	
1	Title and Location Map
2-3	Standard Plans List
4	Key Map and Line Index
5-21	Layouts
22-31	Contruction Details
32-60	Utility Plans
61-67	Traffic Handling Plans
68	Construction Area Signs
69-70	Summary of Quantities
71	Sign Plans, Details and Quantities
72-73	Retaining Wall
74-172	Electrical Plans
173-179	Revised Standard Plans

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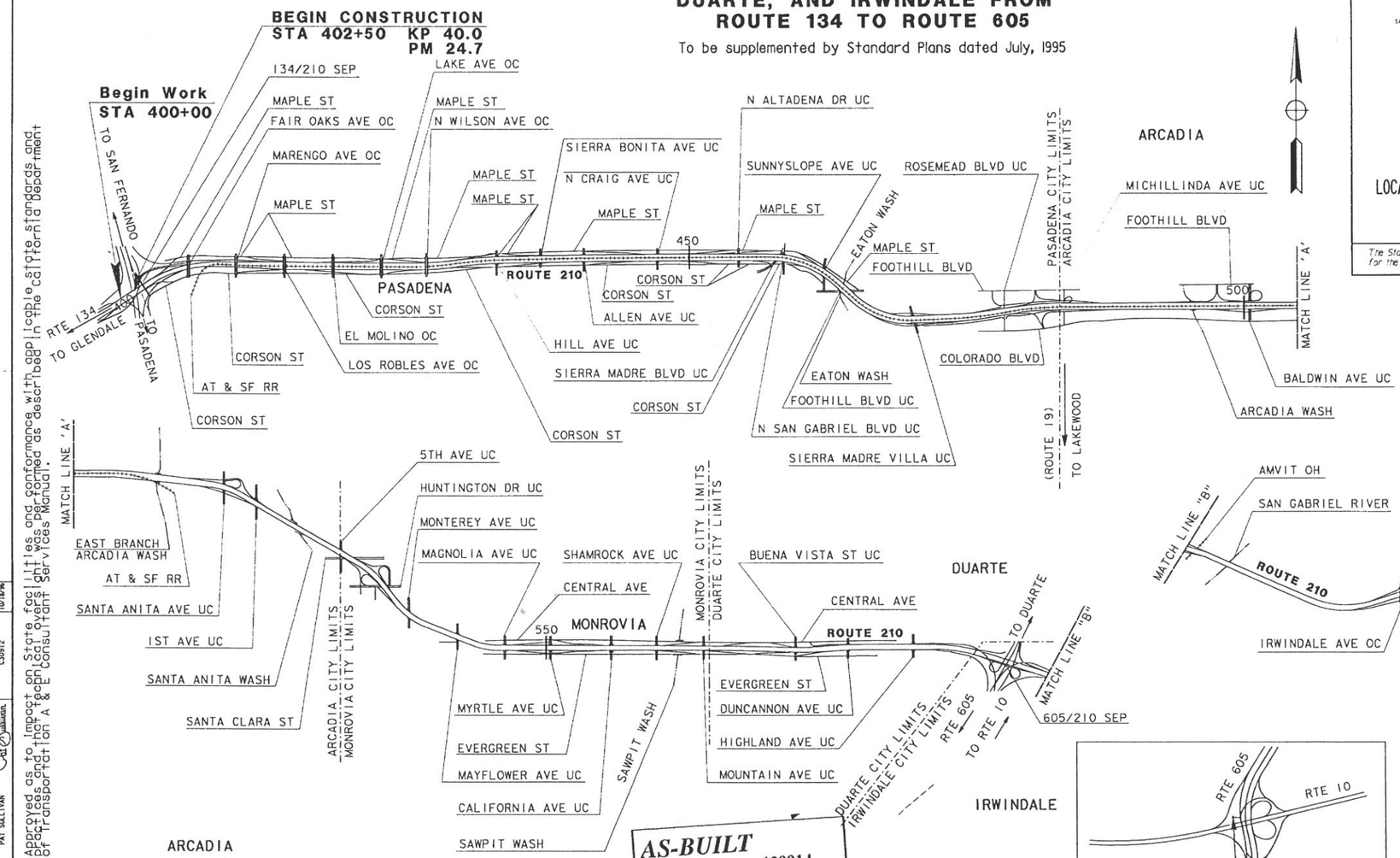
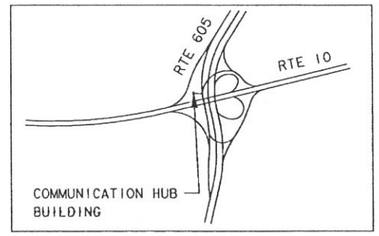
Caltrans Metric





Approved as to impact on State facilities and conformance with applicable state standards and specifications and practices as described in the California Department of Transportation A&E Consultant Services Manual.

PROJECT ENGINEER	DESIGN OVERSIGHT APPROVAL	REGISTRATION NO.	DATE
DOUGLAS SLAKEY	PAT SULLIVAN	C30912	10/18/96

AS-BUILT
Contract No. 07- 129914
Resident Engineer: Hassan Mansour
Completion Date: 09/27/2000

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

NO SCALE

Douglas Slakey
Registered Civil Engineer

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

March 3, 1997
Plans Approval Date

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

Contract No. 07-129914

LAST REVISION 00-00-00 DATE PLOTTED => 13-Mar-1997 TIME PLOTTED => 06:30

FILE NAME: T:\DOSDWGS\COVER\NEWDGN DATE: 11/19/96 1:40 AM
FORM DC-OE-93-PF (REV. 3/88)

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

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DGN FILE => [ESC-OE]712991a01.psf

CU 07396 EA 07-129911

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	40.0 / 61.8	81	179

Peter Everett 5/24/96
REGISTERED CIVIL ENGINEER

3-3-97
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
PETER R. EVERETT
NO. C53217
EXP. 06/30/99
CIVIL
STATE OF CALIFORNIA

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

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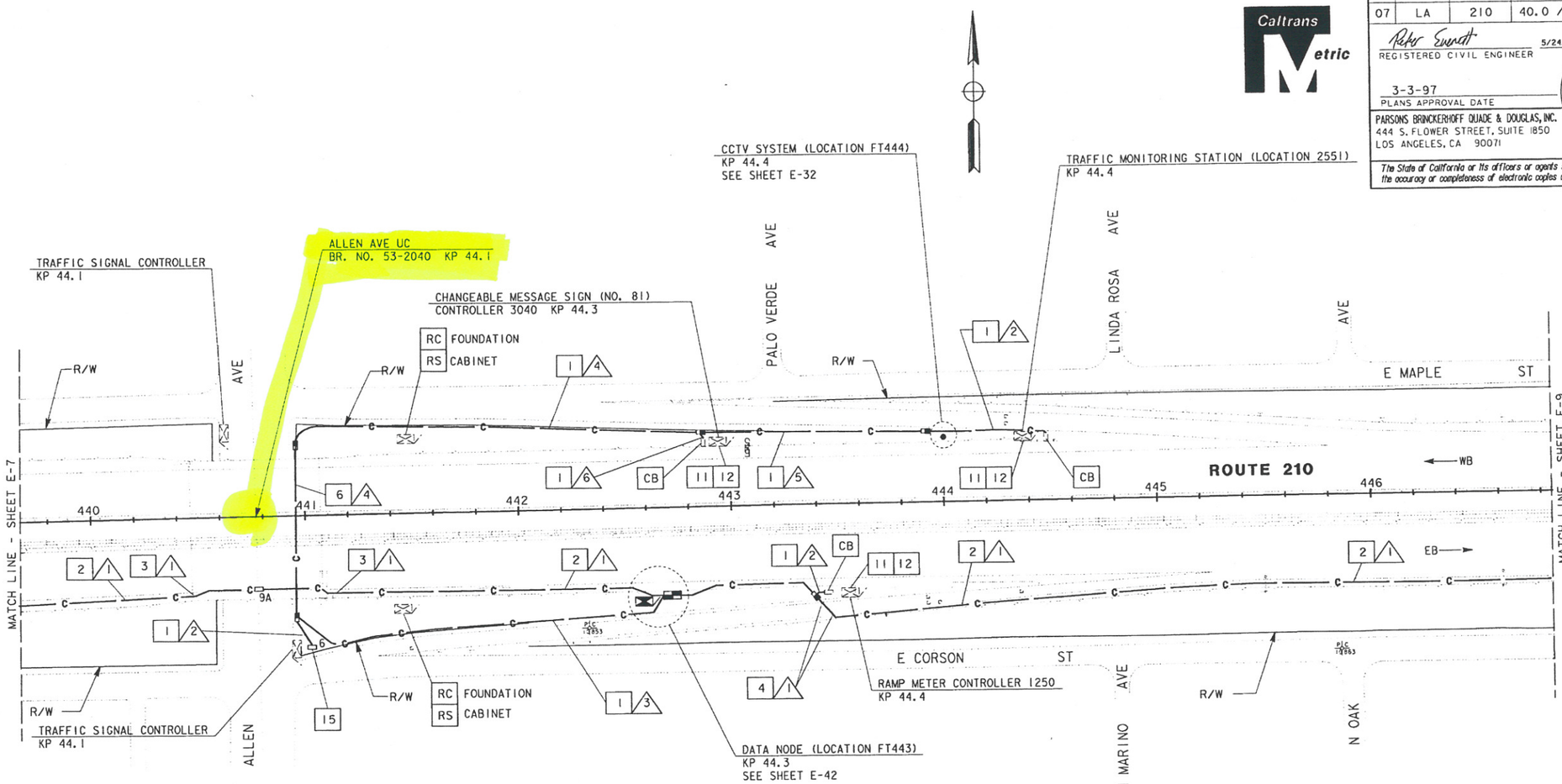
Caltrans Metric



NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUIT IN SOIL.
2. TRENCH AND INSTALL CONDUIT IN ASPHALT.
3. ATTACH CONDUIT TO BRIDGE. SEE SHEET C-2 FOR DETAILS.
4. JACK CONDUIT BENEATH ROADWAY. SEE SHEET C-7 FOR DETAILS.
6. JACK CONDUIT BENEATH SLOPE PROTECTION. SEE SHEET C-7 FOR DETAILS.
11. INSTALL TELEPHONE BRIDGE AND A 12-PAIR TERMINAL BLOCK IN EXISTING CABINET. SEE SHEET E-73 FOR DETAILS.
12. CONNECT 6P22 TO BRIDGE/CONTROLLER. USE EXISTING CONDUIT FROM PULL BOX INTO CABINET.
15. COIL 10 m OF 6P22 CABLE IN PULL BOX FOR FUTURE CONNECTION TO TRAFFIC SIGNAL.

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

CONDUCTOR TYPE	FUNCTION	RUN 1				RUN 2	RUN 3		RUN 4		RUN 5		RUN 6
50P22 CABLE	VOICE/DATA	1											
6P22 CABLE	VOICE/DATA					1		5		4		2	2
24SMFO CABLE	VIDEO DISTRIBUTION		1										
24SMFO CABLE	MULTIPLEXED VIDEO AND DATA			1									
2SMFO B/O CABLE	SHORT HAUL VIDEO						1		1		1		
	SIZE 32 INNERDUCT		1	1			1		1		1		
	CONDUIT SIZE	103			103	53	103		103		103		53

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

AS-BUILT
Contract No. 07- 129914
Resident Engineer: MANNAA, H.
Completion Date: 09/27/2000

CCTV SYSTEM, DATA NODE AND COMMUNICATION SYSTEM ROUTING

SCALE: 1:1000

E-8

CALCULATED/ DESIGNED BY	SH	DATE 5/96	REVISED BY	DATE REVISED
CHECKED BY	PE	5/96		

PROJECT ENGINEER
PAT SULLIVAN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
TIME PLOTTED => 07-MAR-1997

FILE NAME: T:\TOS\DMSA\HEO8.DGN DATE: 15MAY96 1434 BB

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

USERNAME => trbing
DGN FILE => [ESC-OE]712991u08.psf

CU 7396 EA 129911

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	40.0 / 61.8	82	179

Peter Everett 5/24/96
REGISTERED CIVIL ENGINEER

3-3-97
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER PETER R. EVERETT No. C53217 EXP. 06/30/99 CIVIL STATE OF CALIFORNIA

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

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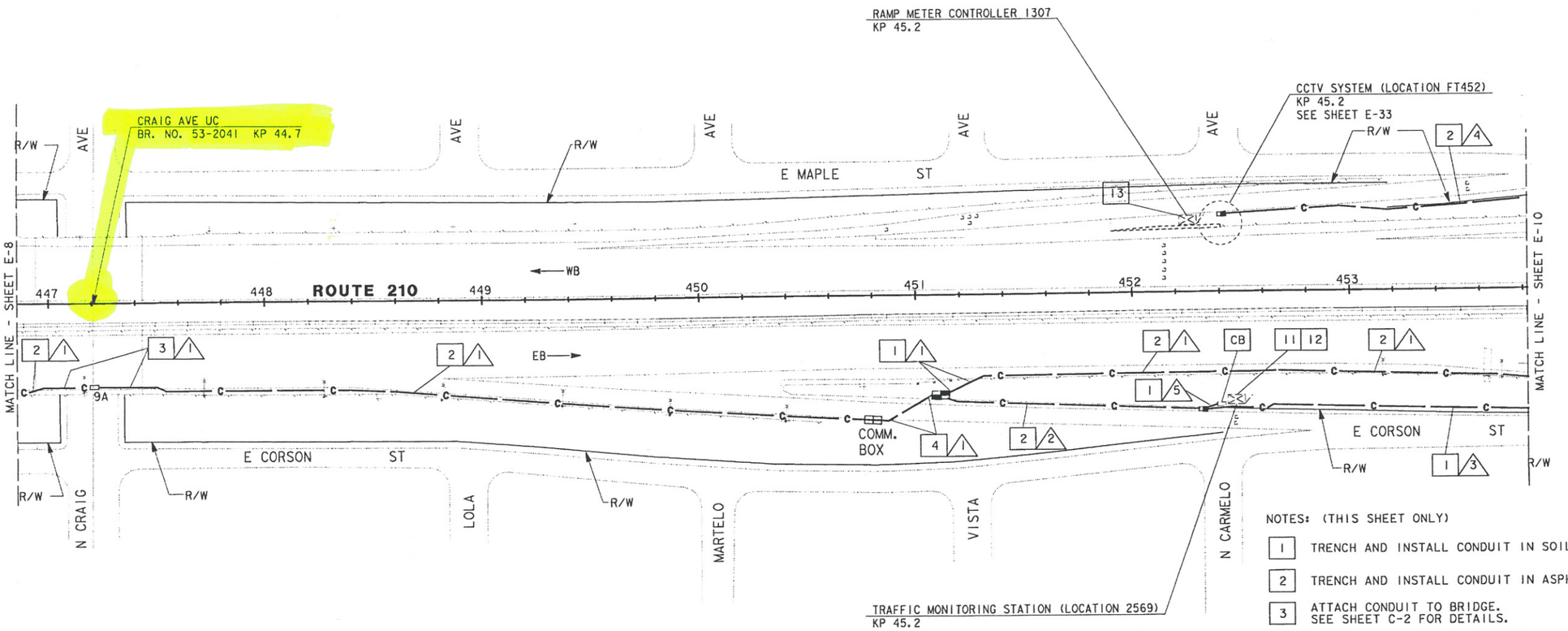
Caltrans Metric



NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUIT IN SOIL.
2. TRENCH AND INSTALL CONDUIT IN ASPHALT.
3. ATTACH CONDUIT TO BRIDGE. SEE SHEET C-2 FOR DETAILS.
4. JACK CONDUIT BENEATH ROADWAY. SEE SHEET C-7 FOR DETAILS.
11. INSTALL TELEPHONE BRIDGE AND A 12-PAIR TERMINAL BLOCK IN EXISTING CABINET. SEE SHEET E-73 FOR DETAILS.
12. CONNECT 6P22 TO BRIDGE/CONTROLLER. USE EXISTING CONDUIT FROM PULL BOX INTO CABINET.
13. RECONFIGURE EXISTING BRIDGE AS SHOWN ON COMMUNICATION SYSTEM SCHEMATIC.

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

CONDUCTOR TYPE	FUNCTION	RUN 1				RUN 2		RUN 3		RUN 4		RUN 5
50P22 CABLE	VOICE/DATA	1										
6P22 CABLE	VOICE/DATA					3		2		1		1
24SMFO CABLE	VIDEO DISTRIBUTION		1									
24SMFO CABLE	MULTIPLEXED VIDEO AND DATA			1								
2SMFO B/O CABLE	SHORT HAUL VIDEO						1		1		1	
	SIZE 32 INNERDUCT		1	1			1		1		1	
	CONDUIT SIZE	103			103	103		103		103		53

AS-BUILT
Contract No. 07- 129914
Resident Engineer: MANNAA, H.
Completion Date: 09/27/2000

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

CCTV SYSTEM AND COMMUNICATION SYSTEM ROUTING

SCALE: 1:1000

E-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
PROJECT ENGINEER PAT SULLIVAN
CALCULATED/DESIGNED BY SH DATE 5/96 REVISED BY
CHECKED BY PE 5/96 DATE REVISED

LAST REVISION 00-00-00 TIME PLOTTED => 26-FEB-2001

FILE NAME: T:\TOS\DWGS\IE09.DGN DATE: 15MAY96 1440 BB

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

USERNAME => HHuynh
DGN FILE => 712991u0926071058

CU 7396 EA 129911

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	210	40.0/61.8	91	179

Peter Everett 5/24/96
REGISTERED CIVIL ENGINEER

3-3-97
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER PETER R. EVERETT No. C53217 EXP. 06/30/99 CIVIL STATE OF CALIFORNIA

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

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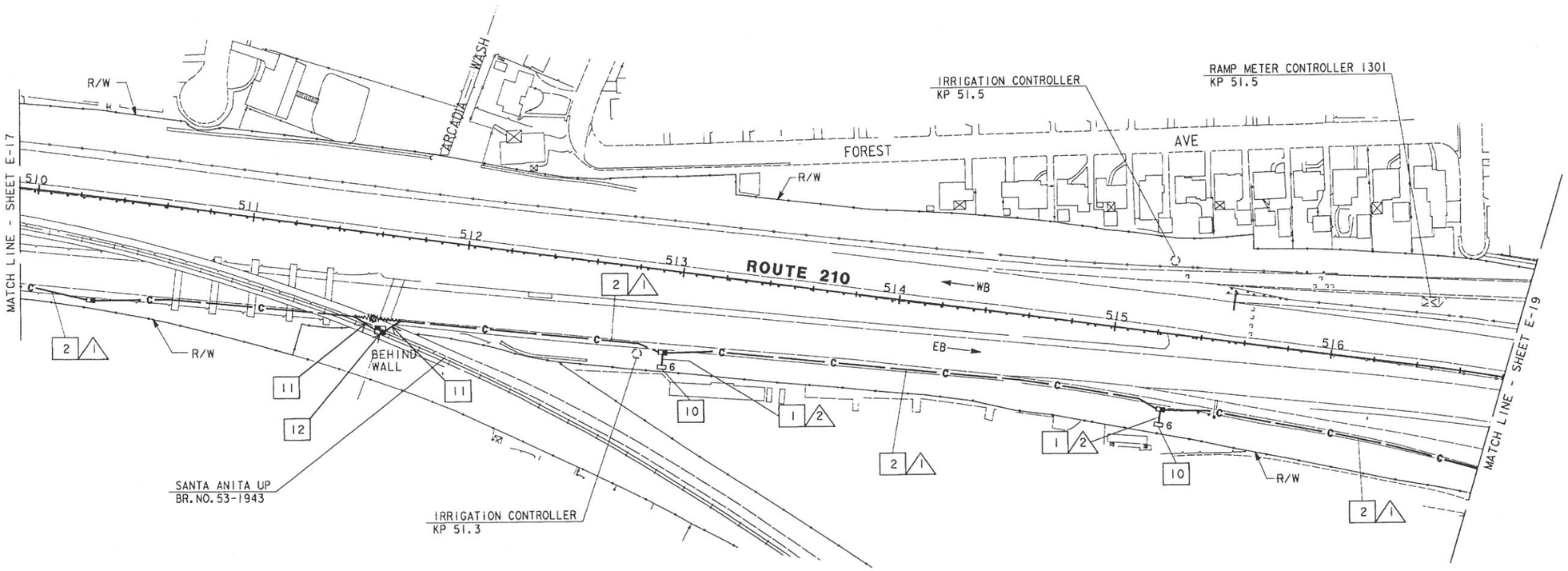
Caltrans Metric



NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUIT IN SOIL.
2. TRENCH AND INSTALL CONDUIT IN ASPHALT.
10. COIL 10 m OF 6P22 CABLE IN PULL BOX FOR FUTURE CONNECTION TO IRRIGATION CONTROLLER.
11. CORE CONDUIT THROUGH EXIST WALL
12. INSTALL CONDUIT IN SOIL BEHIND WALL

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

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

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

AS-BUILT
Contract No. 07- 129914
Resident Engineer: MANNAA, H.
Completion Date: 09/27/2000

COMMUNICATION SYSTEM ROUTING

SCALE: 1:1000

E-18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

PROJECT ENGINEER: PAT SULLIVAN

CALCULATED/DESIGNED BY: SH DATE 5/96
CHECKED BY: PE DATE 5/96
REVISED BY / DATE REVISED

LAST REVISION 00-00-00
TIME PLOTTED => 26-Feb-2001

FILE NAME: T:\TOSOMGA\101E18.DGN DATE: 17MAY96 1322 BB

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

USERNAME => HHuynh
DGN FILE => 712991u1826071712

CU 7396 EA 129911

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)									
CONDUCTOR TYPE	FUNCTION	RUN							
		1				2	3		4
50P22 CABLE	VOICE/DATA	1							
6P22 CABLE	VOICE/DATA					1	2		1
24SMFO CABLE	VIDEO DISTRIBUTION		1						
24SMFO CABLE	MULTIPLEXED VIDEO AND DATA			1					
2SMFO B/O CABLE	SHORT HAUL VIDEO							1	
	SIZE 32 INNERDUCT		1	1				1	
	CONDUIT SIZE		103		103	53	103		78

NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUIT IN SOIL.
2. TRENCH AND INSTALL CONDUIT IN ASPHALT.
3. ATTACH CONDUIT TO BRIDGE. SEE SHEET C-2 FOR DETAILS.
4. JACK CONDUIT BENEATH ROADWAY. SEE SHEET C-7 FOR DETAILS.
10. COIL 10 m OF 6P22 CABLE IN PULL BOX FOR FUTURE CONNECTION TO IRRIGATION CONTROLLER.
11. INSTALL TELEPHONE BRIDGE AND A 12-PAIR TERMINAL BLOCK IN EXISTING CABINET. SEE SHEET E-73 FOR DETAILS.
12. CONNECT 6P22 TO BRIDGE/CONTROLLER. USE EXISTING CONDUIT FROM PULL BOX INTO CABINET.
15. COIL 10 m OF 6P22 CABLE IN PULL BOX FOR FUTURE CONNECTION TO TRAFFIC SIGNAL.

Caltrans Metric

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	40.0/61.8	92	179

Peter Everett 5/24/96
REGISTERED CIVIL ENGINEER

3-3-97
PLANS APPROVAL DATE

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

REGISTERED PROFESSIONAL ENGINEER PETER R. EVERETT No. C53217 Exp. 06/30/99 CIVIL STATE OF CALIFORNIA

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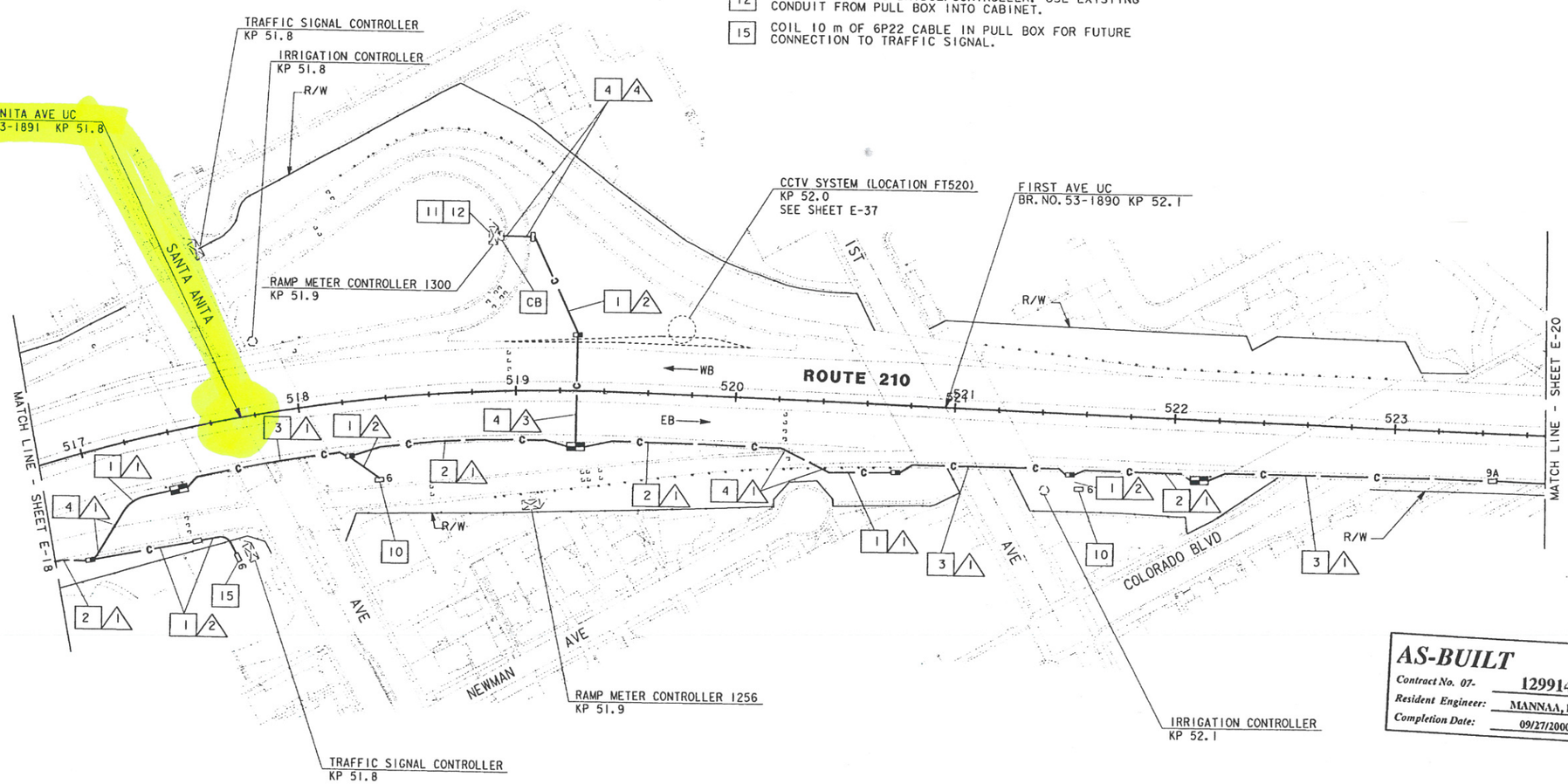

AS-BUILT
Contract No. 07- 129914
Resident Engineer: MANNAA, H.
Completion Date: 09/27/2000

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

CCTV SYSTEM AND COMMUNICATION SYSTEM ROUTING

SCALE: 1:1000

E-19

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

PROJECT ENGINEER: PAT SULLIVAN

CALCULATED/DESIGNED BY: SH DATE 5/96 REVISED BY
CHECKED BY: PE 5/96 DATE REVISED

FILE NAME: T:\TOS\DWG\ KIE19.DGN DATE: 05JUN96 0905 AK

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

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DGN FILE => [ESC-OE]712991u19.psf

CU 7396 EA 129911

LAST REVISION 00-00-00 TIME PLOTTED => 13-Mar-1997

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

ACIM-210-1(791)E

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	R53.7/R75.3	1	213

PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN LOS ANGELES COUNTY IN MONROVIA, DUARTE, IRWINDALE, GLENDORA, SAN DIMAS AND LA VERNE ON ROUTE 210 FROM MAYFLOWER AVENUE UNDERCROSSING TO FOOTHILL BOULEVARD UNDERCROSSING AND AT SAN GABRIEL VALLEY HUB BUILDING AND AT REGIONAL TRAFFIC MANAGEMENT CENTER

To be supplemented by Standard Plans dated July, 2004

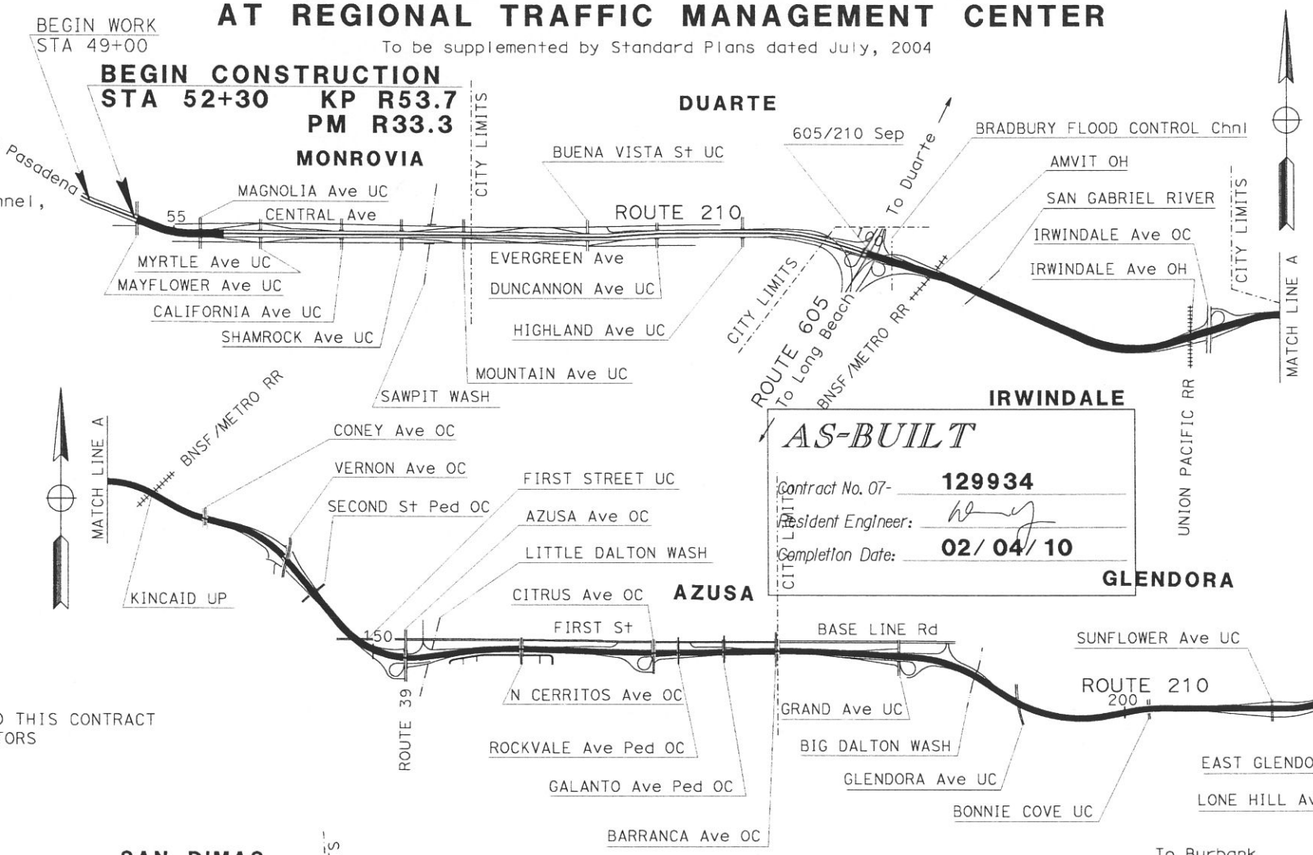
INDEX OF SHEETS

Sheet No.	Description
1	Title and Location Map
2	Key Map and Line Index
3-13	Construction Details
14-39	Utility Plans and Detail
40-49	Traffic Handling Plans
50	Construction Area Signs
51-54	Retaining Wall Plans, Details and Quantities
55	Summary of Quantities
56-60	Irrigation Plans
61-148	Electrical Plans
149-162	Revised Standard Plans

STRUCTURE PLANS

163-166	Amelia Avenue UC, Br. No. 53-1994
167-169	Azusa Avenue, Route 210/39 Separation, Br. No. 53-1886
170-171	Big Dalton Wash, Br. No. 53-2060
172-174	Bonnie Cove Avenue UC, Br. No. 53-2025
175-177	Bradbury Flood Control Channel, Br. No. 53-1955
178-180	East Connector UC, Br. No. 53-1970
181-183	East Glendora OH, Br. No. 53-1930
184-186	Glendora Avenue UC, Br. No. 53-2072
187-189	Grand Avenue UC, Br. No. 53-2048
190-192	Lone Hill Avenue UC, Br. No. 53-1971
193-194	MWD Pipeline UC, Br. No. 53-2071
195-198	Route 210/66 Separation, Br. No. 53-2075
199-202	San Dimas Avenue UC, Br. No. 53-2064
203-205	San Dimas Canyon Road UC, Br. No. 53-2069
206-207	San Gabriel River, Br. No. 53-1867
208-210	Sunflower Avenue UC, Br. No. 53-2061
211-213	Walnut Avenue UC, Br. No. 53-2068

THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO CONTRACTORS AND SPECIAL PROVISIONS BOOK.



AS-BUILT
Contract No. 07- 129934
Resident Engineer:
Completion Date: 02/04/10

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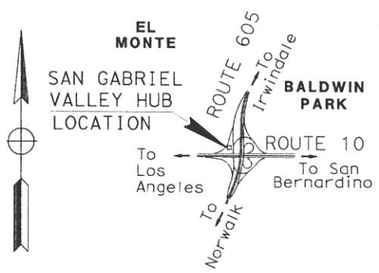
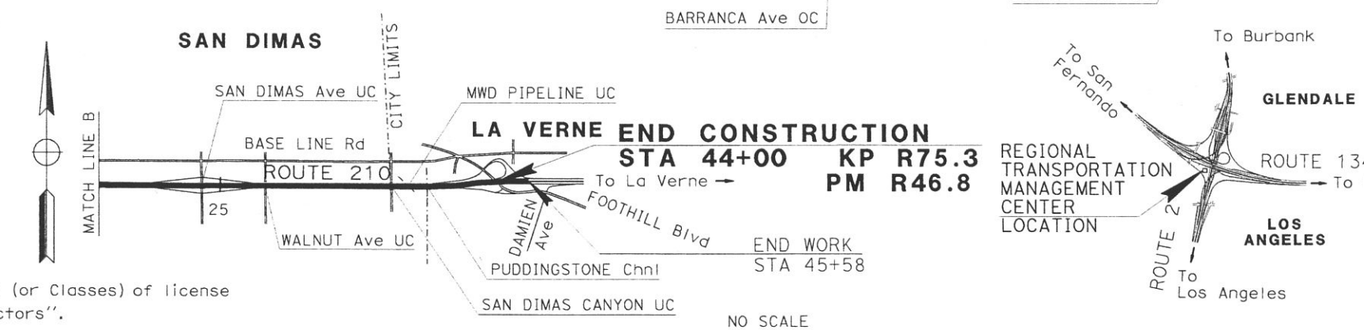
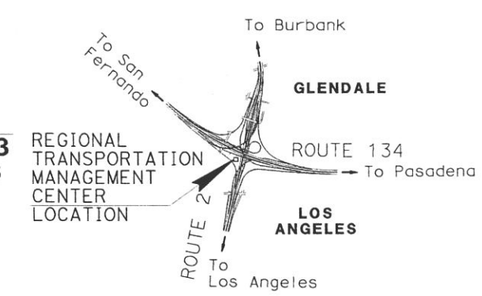
To get to the web site, go to: http://www.dot.ca.gov

Caltrans Metric







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

NO SCALE

Conway Chu
Project Engineer Date
Registered Electrical Engineer

May 22, 2006
Plans Approval Date

REGISTERED PROFESSIONAL ENGINEER CONWAY CHU No. E15305 EXP. 3/31/07 ELECTRICAL STATE OF CALIFORNIA

PROJECT ENGINEER	DATE	PROJECT MANAGER	DATE
C. CHU	01/06	J. TAN	01/06

Contract No. 07-129934

LAST REVISION 00-00-00

DATE PLOTTED => 17-JUN-2010 08:14

FORM DC-OE-93-PF (REV. 3/88)

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

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DGN FILE => 212993ab001.dgn

CU 07388 EA 129931

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	R53.7/R75.3	62	213

Caltrans Metric

Conway Chu
REGISTERED ELECTRICAL ENGINEER

5-22-06
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CONWAY CHU No. E15305 Exp. 3/31/07 ELECTRICAL STATE OF CALIFORNIA

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To get to the Caltrans web site, go to: http://www.dot.ca.gov

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)			
CONDUCTOR TYPE	FUNCTION	RUN △4	
6P22 CABLE	VOICE/DATA	2	
12SMFO CABLE	SHORT HAUL VIDEO		1
INNERDUCT (SIZE 25)			1
CONDUIT SIZE		103 (E)	

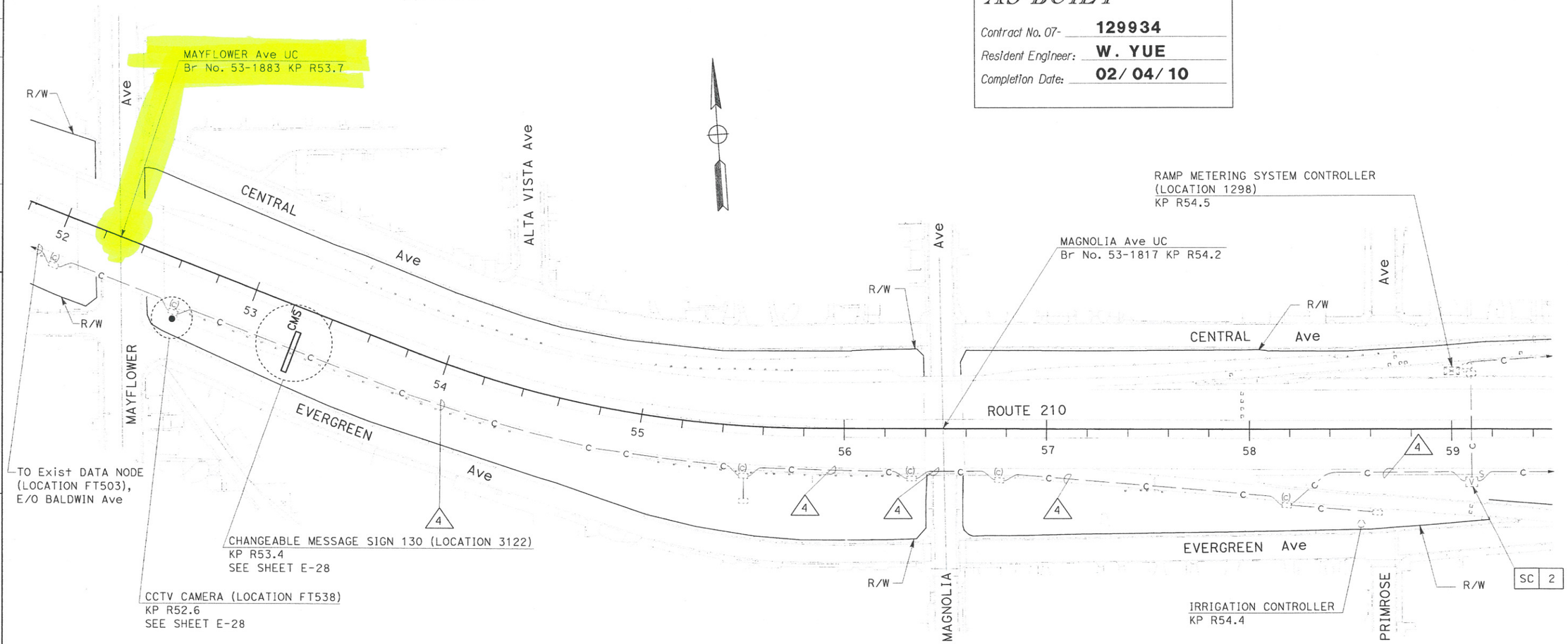
(E): EXISTING

AS-BUILT

Contract No. 07- **129934**

Resident Engineer: **W. YUE**

Completion Date: **02/04/10**



PROJECT NOTES: (THIS SHEET)

1. INSTALL INNERDUCT AND CABLES IN EXISTING SPARE 103C.

2 INSTALL FIBER OPTIC SPLICE CLOSURE AND TWISTED PAIR SPLICE CLOSURE.

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA,
SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.
THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.
FOR LEGEND AND GENERAL NOTES SEE SHEET E-1.

ALL DIMENSIONS ARE IN
METERS UNLESS OTHERWISE SHOWN

COMMUNICATION SYSTEM ROUTING

SCALE 1:1000

E-2

DATE 3/02	REVISED BY	CC
11/05	DATE REVISED	7/05

CALCULATED/DESIGNED BY	CC
CHECKED BY	JT

PROJECT ENGINEER CONWAY CHU

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ITS DEVELOPMENT

LAST REVISION 00-00-00 DATE PLOTTED => 17-JUN-2010 TIME PLOTTED => 13:15

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

USERNAME => s129112
DGN FILE => 712993ua002.dgn

CU 07388

EA 129931

- Rte 605
  - ✓a. San Gabriel River (53-2032R)
    PM 22.69
  - ✓b. Arrow Hwy OC (53-2038)
    PM 23.96
- Rte 10
  - ✓a. 10/605 separation (53-0882)
    PM 31.11
  - b. Francisquito Ave UC (53-0665)
    PM 32.66
  - ✓c. South connector (53-2000G)
    PM 42.53
- Rte 71 Valley Blvd. UC (53-2078/K)
  PM R1.47
- Rte 210
  - ✓a. Allen Ave. UC (53-2040L)
    PM 27.41
  - ✓b. Craig Ave UC (53-2041L)
    PM 27.81
  - ✓c. Baldwin Ave. UC (53-1911L)
    PM 30.82
  - ✓d. Santa Anita Ave. UC (53-1823)
    PM 35.52
  - ✓e. Sunflower Ave. UC (53-2061)
    PM 43.16

03-366

Boynerian, Avo

01/26/2016

AS-BUILT PLANS

FOR

2W9501

FROM

OFFICE OF ITS