INFORMATION HANDOUT

For Project No. 07-2W9701
At 07-VEN-101-30.94/R38.95

As-Builts

Fiber Optic As-Built Drawings
Communication System Routing

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA, Ven	23, 101	Var	1	160

STATE OF CALIFORNIA

ACNH-000C(276)E

DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY

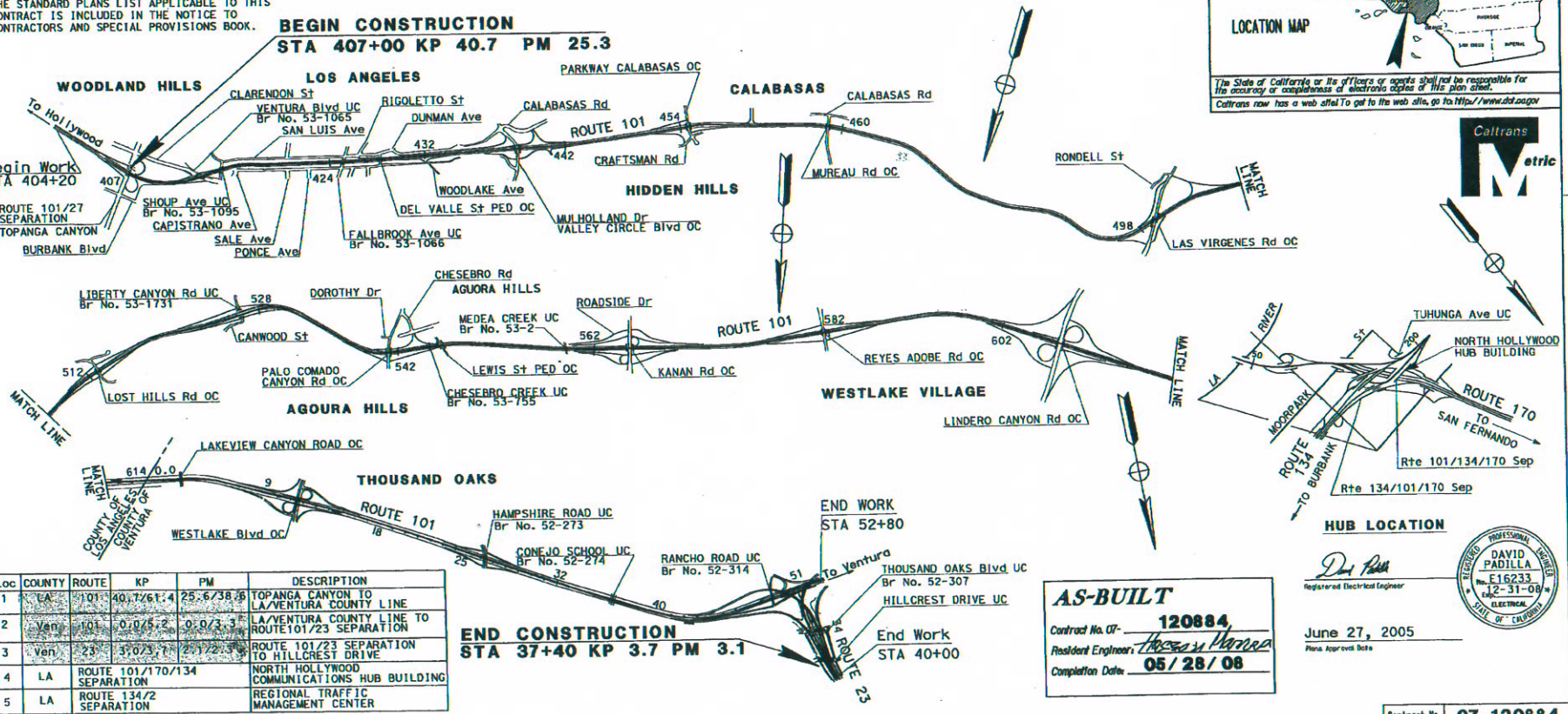
IN LOS ANGELES AND VENTURA COUNTIES IN LOS ANGELES, WOODLAND HILLS, HIDDEN HILLS, CALABASAS, AGOURA HILLS, WESTLAKE VILLAGE AND THOUSAND OAKS ON ROUTE 101 FROM ROUTE 27/101 SEPARATION TO ROUTE 23/101 SEPARATION AND FROM ROUTE 23/101 SEPARATION TO HILLCREST DRIVE AND AT THE REGIONAL TRAFFIC MANAGEMENT CENTER AND AT NORTH HOLLYWOOD HUB BUILDING

To be supplemented by Standard Plans dated July, 2004

INDEX OF SHEETS

Sheet No.	Description
1	Title and Location Map
2-15	Construction Details
16-39	Utility Plans
40-46	Traffic Handling Plans
47	Construction Area Signs
48	Summary of Quantities
49-53	Retaining Wall Plan, Details and Quantities
54-115	Electrical Plans
116-130	Revised Standard Plans
STRUCTURE PLANS	
131-133	Hampshire Road UC
134-135	Conejo School Road UC
136-138	Thousand Oaks Blvd UC
139-141	Rancho Road UC
142-144	Medea Creek Bridge
145-147	Chesbro Creek Bridge
148-150	Ventura Blvd UC
151-153	Fallbrook Avenue UC
154-156	Shoup Avenue UC
157-160	Liberty Canyon Road UC

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



NO SCALE

Loc	COUNTY	ROUTE	KP	PM	DESCRIPTION
1	LA	101	40.7/61.4	25.6/38.6	TOPANGA CANYON TO LA/VENTURA COUNTY LINE
2	Ven	101	0.0/5.2	0.0/3.3	LA/VENTURA COUNTY LINE TO ROUTE101/23 SEPARATION
3	Ven	23	3.0/3.7	2.1/2.3	ROUTE 101/23 SEPARATION TO HILLCREST DRIVE
4	LA	ROUTE 101/170/134 SEPARATION			NORTH HOLLYWOOD COMMUNICATIONS HUB BUILDING
5	LA	ROUTE 134/2 SEPARATION			REGIONAL TRAFFIC MANAGEMENT CENTER

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

PM 25.3/38.6

LOCATION MAP

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

Caltrans Metric

AS-BUILT

Contract No. 07- 120884

Resident Engineer: Hossein Ranjbar

Completion Date: 05/28/08

Registered Electrical Engineer

June 27, 2005

Plans Approval Date

REGISTERED PROFESSIONAL ENGINEER DAVID PADILLA No. E16233 Exp. 12-31-08 ELECTRICAL STATE OF CALIFORNIA

PROJECT ENGINEER D. PADILLA DATE 3/05 PROJECT MANAGER D. CHMIELEWSKI DATE 3/05

Contract No. 07-120884

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

USERNAME => s123048
DGN FILE => 712088ab001.dgn

CU 07388 EA 120881

FORM DC-OE-R1-PE REV. 3/08

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA,Ven	23,101	Var.	62 A	160

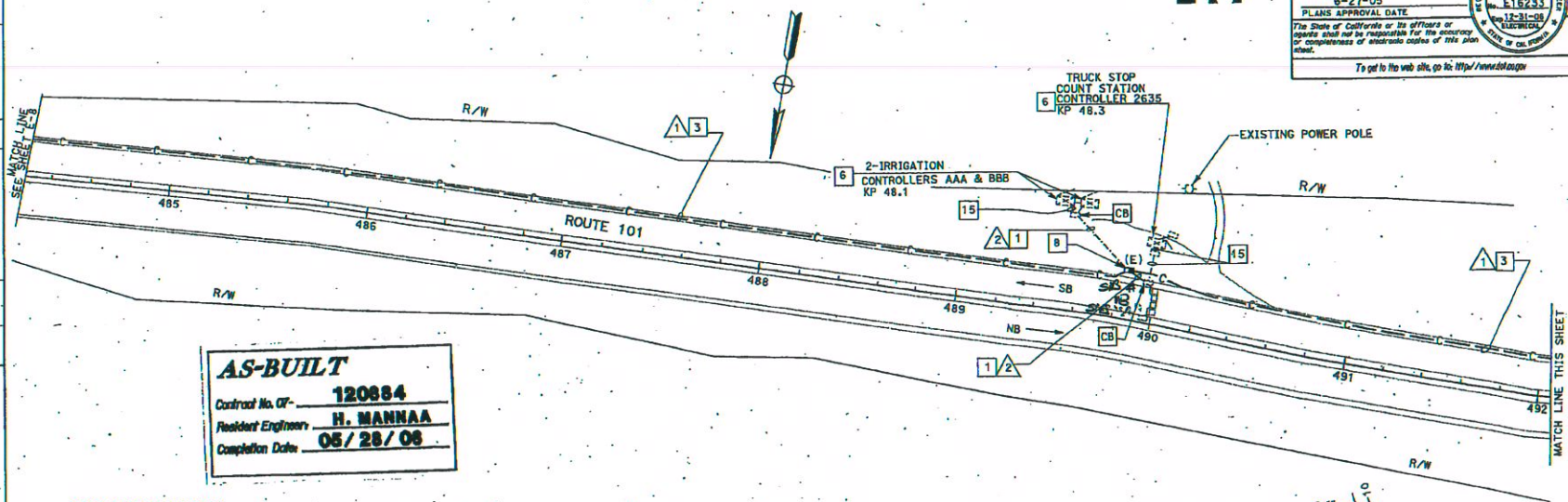
REGISTERED ELECTRICAL ENGINEER

6-27-05
PLANS APPROVAL DATE

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.

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

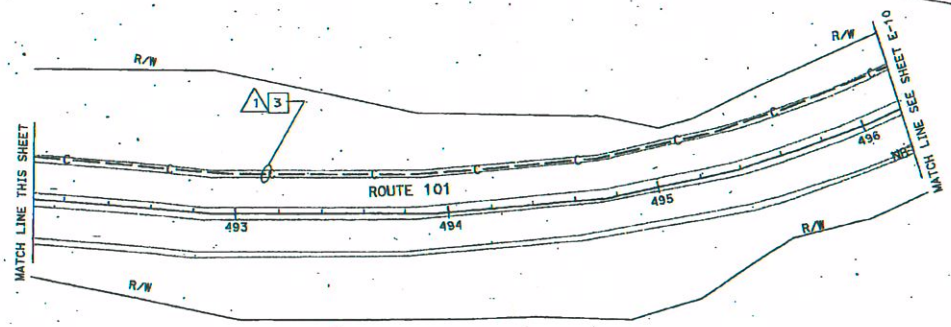
Caltrans Metric



AS-BUILT
Contract No. 07- 120884
Resident Engineer: H. MANNAA
Completion Date: 05/28/06

NOTES: (THIS SHEET ONLY)

1. INSTALL CONDUIT IN TRENCH IN SOIL. SEE SHEET E-46 FOR DETAILS.
3. INSTALL CONDUIT IN TRENCH IN ASPHALT. SEE SHEET E-47 FOR DETAILS.
6. INSTALL AND CONNECT C-MIC AND FOAM IN EXISTING CONTROLLER CABINET. SEE SHEET E-51.
8. INSTALL FIBER OPTIC SPLICE CLOSURE. SEE SHEETS E-48 AND E-50 FOR DETAILS.
15. INSTALL 12SMFO CABLE IN EXISTING CONDUIT AND CONNECT TO EXISTING CONTROLLER CABINET.



CONDUCTOR SCHEDULE

CONDUCTOR TYPE	FUNCTION	RUN 1					RUN 2
12SMFO CABLE	VOICE/DATA						1
48SMFO CABLE	VOICE/DATA	1					
48SMFO CABLE	MULTIPLEXED DATA/VIDEO		1				
48SMFO CABLE	VIDEO DISTRIBUTION			1			
	SIZE 25 INNERDUCT	1	1	1	1		
CONDUIT SIZE		103				103	53

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

COMMUNICATION SYSTEM ROUTING

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

SCALE 1:1000

E-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ITS DESIGN

PROJECT ENGINEER: DAVID PADILLA
CALCULATED/DESIGNED BY: DAVID PADILLA
CHECKED BY: DAVID PADILLA
DATE 6/05 REVISED BY
6/05 DATE REVISED

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

USERNAME => trmnguye
DGN FILE => 712088uc009.dgn

CU 07388

EA 120881

LAST REVISION 00-00-00
DATE PLOTTED => 29-JUN-2005
TIME PLOTTED => 14:58

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA,Ven	23,101	Var	63	160

REGISTERED ELECTRICAL ENGINEER

6-27-05

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DAVID PADILLA No. E16233 Exp. 12-31-06 ELECTRICAL STATE OF CALIFORNIA

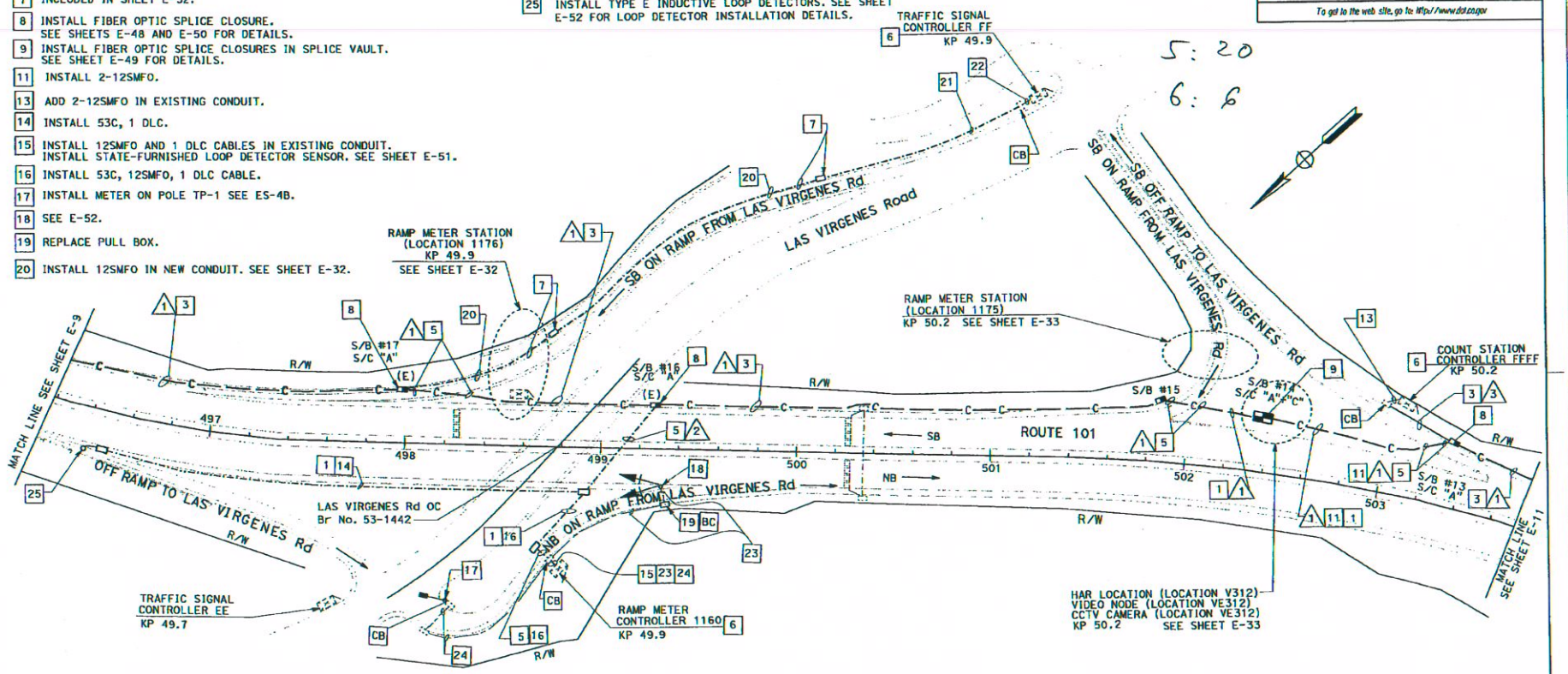
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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

Caltrans Metric

NOTES: (THIS SHEET ONLY)

1. INSTALL CONDUIT IN TRENCH IN SOIL. SEE SHEET E-46 FOR DETAILS.
3. INSTALL CONDUIT IN TRENCH IN ASPHALT. SEE SHEET E-47 FOR DETAILS.
5. JACK CONDUIT BENEATH ROADWAY. SEE SHEET C-14 FOR DETAILS.
6. INSTALL C-MIC AND FOAM IN EXISTING CONTROLLER CABINET. SEE SHEET E-51.
7. INCLUDED IN SHEET E-32.
8. INSTALL FIBER OPTIC SPLICE CLOSURE. SEE SHEETS E-48 AND E-50 FOR DETAILS.
9. INSTALL FIBER OPTIC SPLICE CLOSURES IN SPLICE VAULT. SEE SHEET E-49 FOR DETAILS.
11. INSTALL 2-12SMFO.
13. ADD 2-12SMFO IN EXISTING CONDUIT.
14. INSTALL 53C, 1 DLC.
15. INSTALL 12SMFO AND 1 DLC CABLES IN EXISTING CONDUIT. INSTALL STATE-FURNISHED LOOP DETECTOR SENSOR. SEE SHEET E-51.
16. INSTALL 53C, 12SMFO, 1 DLC CABLE.
17. INSTALL METER ON POLE TP-1 SEE ES-4B.
18. SEE E-52.
19. REPLACE PULL BOX.
20. INSTALL 12SMFO IN NEW CONDUIT. SEE SHEET E-32.
21. INSTALL 53C IN ASPHALT. INSTALL 12SMFO.
22. ADD 12SMFO TO EXISTING CONDUIT AND CONNECT TO EXISTING CONTROLLER CABINET.
23. INSTALL 6#14, 1#10.
24. INSTALL 3#10.
25. INSTALL TYPE E INDUCTIVE LOOP DETECTORS. SEE SHEET E-52 FOR LOOP DETECTOR INSTALLATION DETAILS.



CONDUCTOR SCHEDULE								
CONDUCTOR TYPE	FUNCTION	RUN 1					2	3
12SMFO CABLE	VOICE/DATA						1	2
48SMFO CABLE	VOICE/DATA	1						
48SMFO CABLE	MULTIPLEXED DATA/VIDEO		1					
48SMFO CABLE	VIDEO DISTRIBUTION			1				
	SIZE 25 INNERDUCT	1	1	1	1			
CONDUIT SIZE		103				103	53	53

AS-BUILT

Contract No. 07- 120884

Resident Engineer: H. MANNAA

Completion Date: 05/28/08

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

COMMUNICATION SYSTEM ROUTING

SCALE 1:1000

E-10

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

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

USERNAME => s123048
DGN FILE => 712088-a010.dgn

CU 07388

EA 120881

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans ITS DESIGN

PROJECT ENGINEER DAVID PADILLA

CALCULATED/DESIGNED BY DAVID PADILLA DATE 6/05

CHECKED BY DAVID PADILLA 6/05

REVISED BY

DATE REVISED

LAST REVISION 00-00-00

DATE PLOTTED => 17-SEP-2008
TIME PLOTTED => 12:08

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA,Ven	23,101	Var	64	160

REGISTERED ELECTRICAL ENGINEER

6-27-05
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DAVID PADILLA No. E16233 12-31-06 ELECTRICAL 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.

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

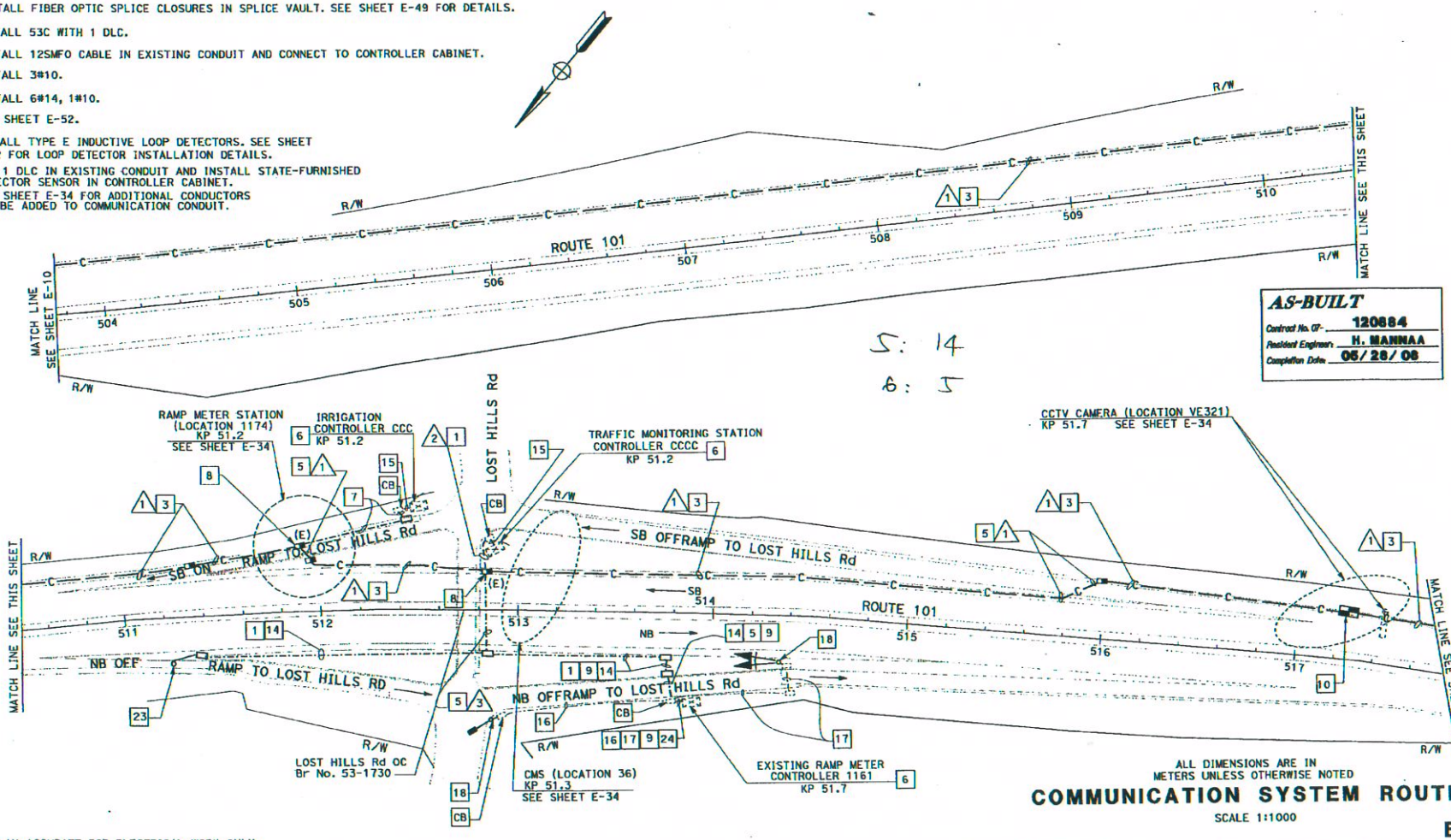
Caltrans Metric

NOTES: (THIS SHEET ONLY)

1. INSTALL CONDUIT IN TRENCH IN SOIL. SEE SHEET E-46 FOR DETAILS.
3. INSTALL CONDUIT IN TRENCH IN ASPHALT. SEE SHEET E-47 FOR DETAILS.
5. JACK CONDUIT BENEATH ROADWAY. SEE SHEET C-14 FOR DETAILS.
6. INSTALL C-MIC, AND FOAM IN EXISTING CONTROLLER CABINET. SEE SHEET E-51.
7. SEE E-34 FOR CONDUIT INSTALLATION. INSTALL 12SMFO FOR IRRIGATION CABINET.
8. INSTALL FIBER OPTIC SPLICE CLOSURE. SEE SHEETS E-48 AND E-50 FOR DETAILS.
9. INSTALL 12SMFO.
10. INSTALL FIBER OPTIC SPLICE CLOSURES IN SPLICE VAULT. SEE SHEET E-49 FOR DETAILS.
14. INSTALL 53C WITH 1 DLC.
15. INSTALL 12SMFO CABLE IN EXISTING CONDUIT AND CONNECT TO CONTROLLER CABINET.
16. INSTALL 3#10.
17. INSTALL 6#14, 1#10.
18. SEE SHEET E-52.
23. INSTALL TYPE E INDUCTIVE LOOP DETECTORS. SEE SHEET E-52 FOR LOOP DETECTOR INSTALLATION DETAILS.
24. ADD 1 DLC IN EXISTING CONDUIT AND INSTALL STATE-FURNISHED DETECTOR SENSOR IN CONTROLLER CABINET.
25. SEE SHEET E-34 FOR ADDITIONAL CONDUCTORS TO BE ADDED TO COMMUNICATION CONDUIT.

CONDUCTOR SCHEDULE

CONDUCTOR TYPE	FUNCTION	RUN 1				RUN 2	RUN 3
12SMFO CABLE	VOICE/DATA					1	1
48SMFO CABLE	VOICE/DATA	1					
48SMFO CABLE	MULTIPLEXED DATA/VIDEO		1				
48SMFO CABLE	VIDEO DISTRIBUTION			1			
	SIZE 25 INNERDUCT	1	1	1	1		
CONDUIT SIZE		103			103	53	103



5: 14
6: 5

AS-BUILT
Contract No. 07- 120884
Resident Engineer: H. MANNAA
Completion Date: 05/28/08

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

COMMUNICATION SYSTEM ROUTING

SCALE 1:1000

E-11

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

DATE	REVISED BY	DATE REVISED
6/05	DAVID PADILLA	6/05

CALCULATED/DESIGNED BY: DAVID PADILLA
CHECKED BY: DAVID PADILLA

PROJECT ENGINEER: DAVID PADILLA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ITS DESIGN

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

USERNAME => s123048
DGN FILE => I:\120884\e011.dgn

CU 07388 | EA 120881

LAST REVISION 00-00-00
DATE PLOTTED => 17-SEP-2008
TIME PLOTTED => 12:08

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA,Ven	23,101	Var	64	160

REGISTERED ELECTRICAL ENGINEER

6-27-05
PLANS APPROVAL DATE

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.

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

Caltrans Metric

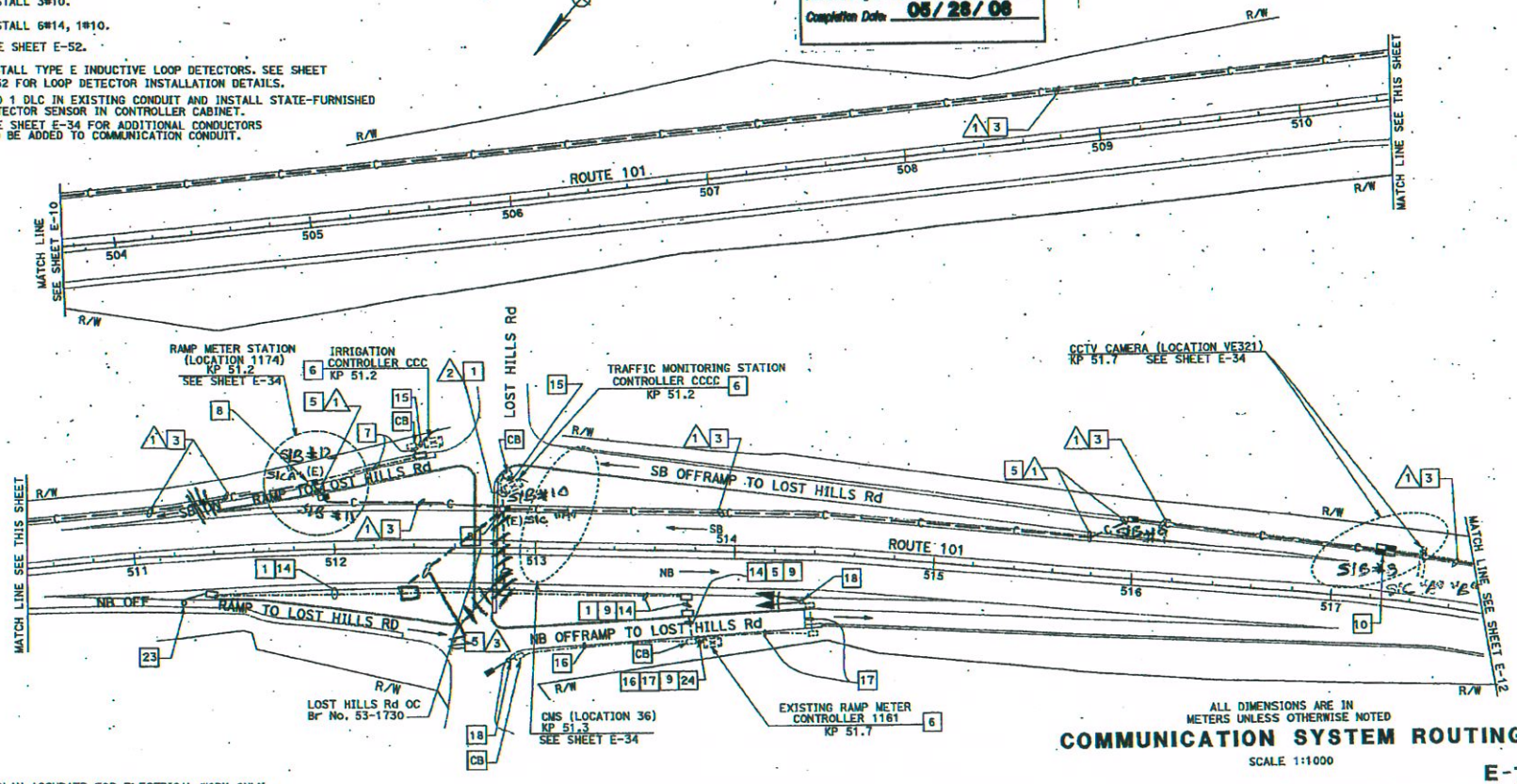
NOTES: (THIS SHEET ONLY)

1. INSTALL CONDUIT IN TRENCH IN SOIL. SEE SHEET E-46 FOR DETAILS.
3. INSTALL CONDUIT IN TRENCH IN ASPHALT. SEE SHEET E-47 FOR DETAILS.
5. JACK CONDUIT BENEATH ROADWAY. SEE SHEET C-14 FOR DETAILS.
6. INSTALL C-MIC, AND FOAM IN EXISTING CONTROLLER CABINET. SEE SHEET E-51.
7. SEE E-34 FOR CONDUIT INSTALLATION. INSTALL 12SMFO FOR IRRIGATION CABINET.
8. INSTALL FIBER OPTIC SPLICE CLOSURE. SEE SHEETS E-48 AND E-50 FOR DETAILS.
9. INSTALL 12SMFO.
10. INSTALL FIBER OPTIC SPLICE CLOSURES IN SPLICE VAULT. SEE SHEET E-49 FOR DETAILS.
14. INSTALL 53C WITH 1 DLC.
15. INSTALL 12SMFO CABLE IN EXISTING CONDUIT AND CONNECT TO CONTROLLER CABINET.
16. INSTALL 3#10.
17. INSTALL 6#14, 1#10.
18. SEE SHEET E-52.
23. INSTALL TYPE E INDUCTIVE LOOP DETECTORS. SEE SHEET E-52 FOR LOOP DETECTOR INSTALLATION DETAILS.
24. ADD 1 DLC IN EXISTING CONDUIT AND INSTALL STATE-FURNISHED DETECTOR SENSOR IN CONTROLLER CABINET.
25. SEE SHEET E-34 FOR ADDITIONAL CONDUCTORS TO BE ADDED TO COMMUNICATION CONDUIT.

CONDUCTOR SCHEDULE

CONDUCTOR TYPE	FUNCTION	RUN 1					RUN 2	RUN 3
12SMFO CABLE	VOICE/DATA						1	1
48SMFO CABLE	VOICE/DATA	1						
48SMFO CABLE	MULTIPLEXED DATA/VIDEO		1					
48SMFO CABLE	VIDEO DISTRIBUTION			1				
	SIZE 25 INNERDUCT	1	1	1	1			
CONDUIT SIZE			103			103	53	103

AS-BUILT
Contract No. 07- 120884
Resident Engineer: H. MANNAA
Completion Date: 05/28/06



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

COMMUNICATION SYSTEM ROUTING

SCALE 1:1000

E-11

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ITS DESIGN

PROJECT ENGINEER: DAVID PADILLA
CALCULATED/DESIGNED BY: DAVID PADILLA
CHECKED BY: DAVID PADILLA
DATE REVISED BY: 6/05
DATE REVISED: 6/05

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

USERNAME => trmnguye
DGN FILE => 712088ua011.dgn

CU 07388

EA 120881

LAST REVISION 00-00-00
DATE PLOTTED => 29-JUN-2005
TIME PLOTTED => 10:58

DIST	COUNTY	ROUTE	TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA,Ven	23,101	Var	71	160

REGISTERED ELECTRICAL ENGINEER

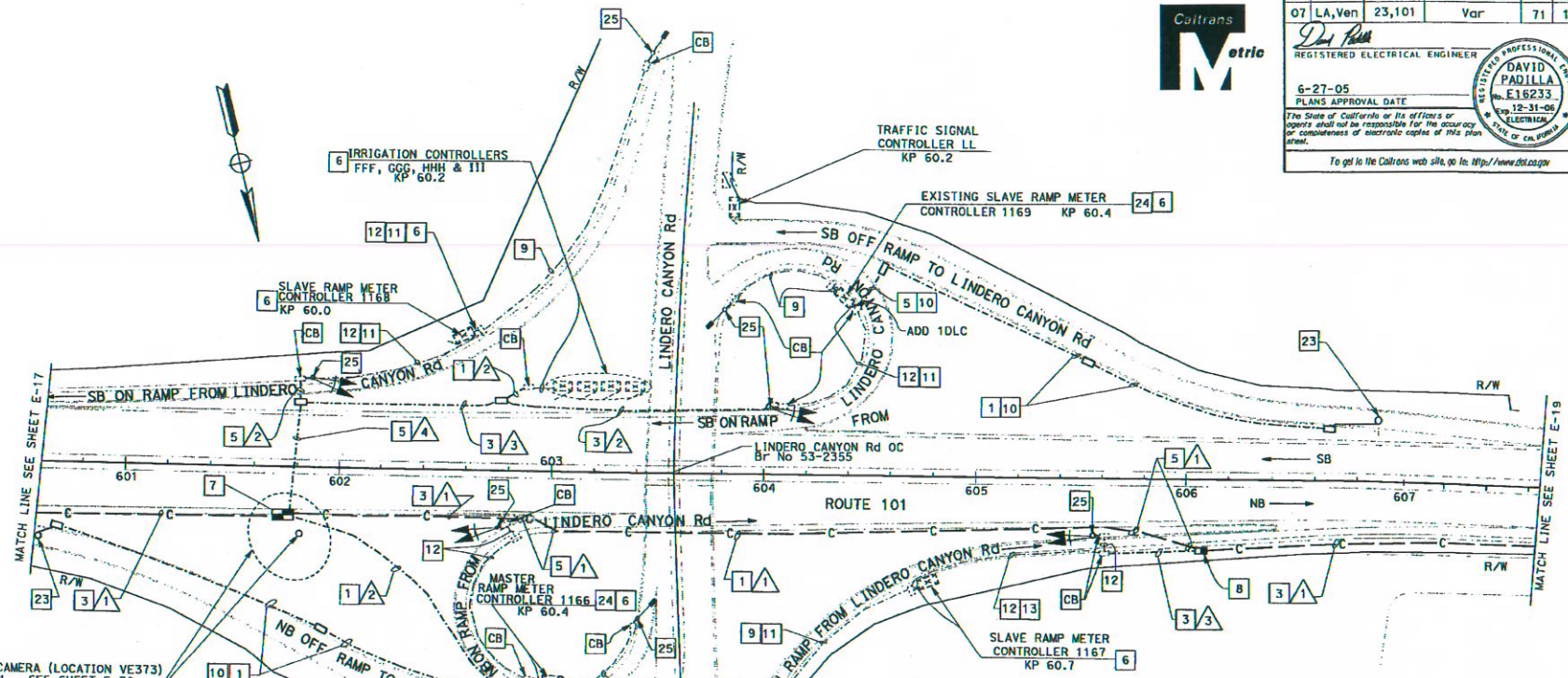
6-27-05
PLANS APPROVAL DATE

DAVID PADILLA No. E16233 Exp. 12-31-06 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — 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.

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

Caltrans Metric



NOTES: (THIS SHEET ONLY)

1. INSTALL CONDUIT IN TRENCH IN SOIL. SEE SHEET E-46 FOR DETAILS.
3. INSTALL CONDUIT IN TRENCH IN ASPHALT. SEE SHEET E-47 FOR DETAILS.
5. JACK CONDUIT BENEATH ROADWAY. SEE SHEET C-14 FOR DETAILS.
6. ADD 12SMFO CABLE TO EXISTING CONDUIT AND INSTALL C-MIC AND FOAM IN EXISTING CONTROLLER CABINET. SEE SHEET E-51.
7. INSTALL FIBER OPTIC SPLICE CLOSURES IN SPLICE VAULT. SEE SHEET E-49 FOR DETAILS.
8. INSTALL FIBER OPTIC SPLICE CLOSURE. SEE SHEETS E-48 AND E-50 FOR DETAILS.
9. INSTALL 3#10 IN EXISTING CONDUIT FOR METER ON SIGN.
10. INSTALL 53C, 1 DLC.
11. INSTALL 12SMFO IN EXISTING CONDUIT.
12. INSTALL 6#14 AND 1#10 IN EXISTING CONDUIT.
13. INSTALL 2-12SMFO IN EXISTING CONDUIT.
23. INSTALL TYPE E LOOP DETECTORS. SEE SHEET E-52 FOR LOOP DETECTOR INSTALLATION DETAILS.
24. ADD 1 DLC IN EXISTING CONDUIT AND INSTALL 1 STATE-FURNISHED LOOP DETECTOR SENSORS IN EXISTING CONTROLLER CABINET.
25. SEE SHEET E-52.
26. INSTALL 53C, 1 DLC, 12SMFO.

CONDUCTOR SCHEDULE								
CONDUCTOR TYPE	FUNCTION	RUN 1				2	3	4
12SMFO CABLE	VOICE/DATA					1	2	3
48SMFO CABLE	VOICE/DATA	1						
48SMFO CABLE	MULTIPLEXED DATA/VIDEO		1					
48SMFO CABLE	VIDEO DISTRIBUTION			1				
	SIZE 25 INNERDUCT	1	1	1	1			
CONDUIT SIZE		103			103	53	103	103

AS-BUILT
Contract No. 07- 120884
Resident Engineer: H. MANNAA
Completion Date: 05/28/08

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.

COMMUNICATION SYSTEM ROUTING

SCALE 1:1000

E-18

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

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

USERNAME => s123048
DGN FILE => 712088a0016.dgn

CU 07388

EA 120881

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ITS DESIGN

PROJECT ENGINEER: DAVID PADILLA

CALCULATED/DESIGNED BY: DAVID PADILLA
CHECKED BY: DAVID PADILLA

DATE REVISED BY: 6-05 DAVID PADILLA
DATE REVISED: 6-05 DAVID PADILLA

DIST	COUNTY	ROUTE	TOTAL PROJECT	NO	SHEETS
07	LA,Ven	23,101	Var	72	160

REGISTERED ELECTRICAL ENGINEER

6-27-05
PLANS APPROVAL DATE

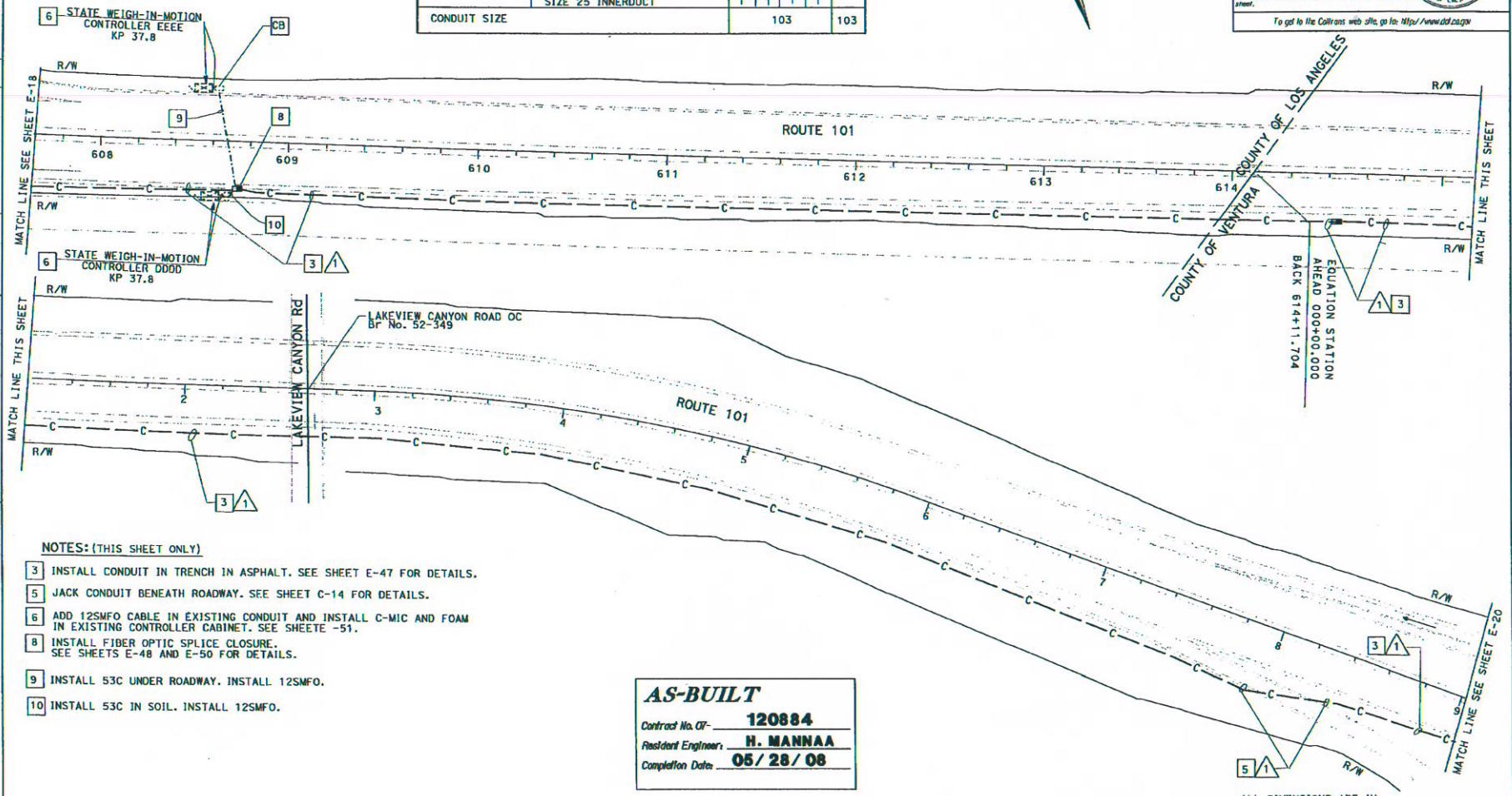
REGISTERED PROFESSIONAL ENGINEER DAVID PADILLA No. E16233 Exp. 12-31-06 ELECTRICAL STATE OF CALIFORNIA

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.

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

Caltrans Metric

CONDUCTOR SCHEDULE						
CONDUCTOR TYPE	FUNCTION	RUN 1				
48SMFO CABLE	VOICE/DATA	1				
48SMFO CABLE	MULTIPLEXED DATA/VIDEO		1			
48SMFO CABLE	VIDEO DISTRIBUTION			1		
	SIZE 25 INNERDUCT	1	1	1	1	
CONDUIT SIZE		103				103



NOTES: (THIS SHEET ONLY)

3 INSTALL CONDUIT IN TRENCH IN ASPHALT. SEE SHEET E-47 FOR DETAILS.

5 JACK CONDUIT BENEATH ROADWAY. SEE SHEET C-14 FOR DETAILS.

6 ADD 12SMFO CABLE IN EXISTING CONDUIT AND INSTALL C-MIC AND FOAM IN EXISTING CONTROLLER CABINET. SEE SHEETE -51.

8 INSTALL FIBER OPTIC SPLICE CLOSURE. SEE SHEETS E-48 AND E-50 FOR DETAILS.

9 INSTALL 53C UNDER ROADWAY. INSTALL 12SMFO.

10 INSTALL 53C IN SOIL. INSTALL 12SMFO.

AS-BUILT
Contract No. 07- 120884
Resident Engineer: H. MANNAA
Completion Date: 05/28/08

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

COMMUNICATION SYSTEM ROUTING

SCALE 1:1000

E-19

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

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

USERNAME => s123048
DGN FILE => 712088uo019.dgn

CU 07388

EA 120881

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ITS DESIGN

PROJECT ENGINEER: DAVID PADILLA

CALCULATED/DESIGNED BY: DAVID PADILLA
CHECKED BY: DAVID PADILLA

DATE REVISED BY: 6-05
DATE REVISED: 6-05

LAST REVISION 00-00-00 DATE PLOTTED => 17-SEP-2008

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA,Ven	23,101	Var	72	160

REGISTERED ELECTRICAL ENGINEER

6-27-05
PLANS APPROVAL DATE

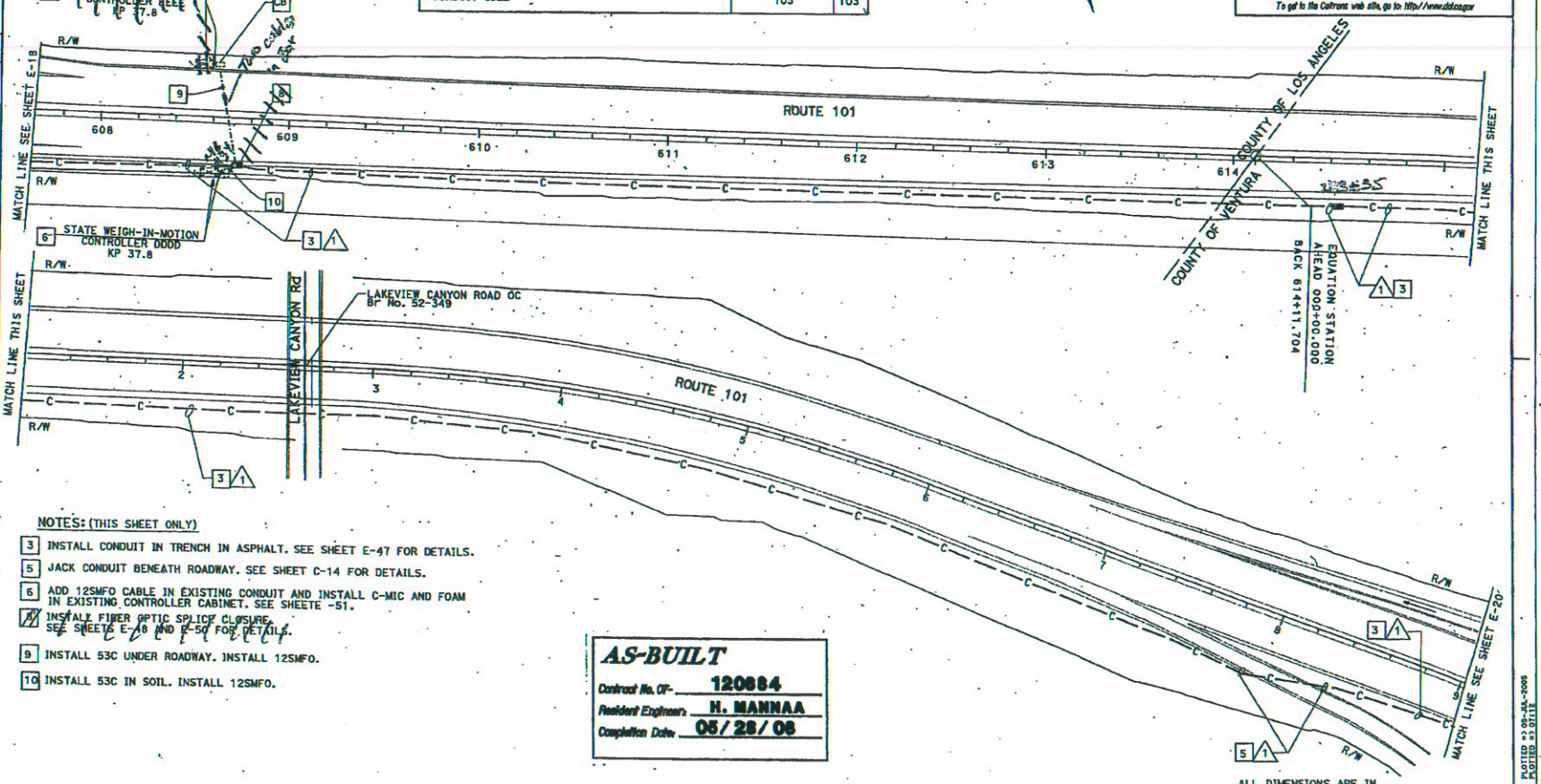
REGISTERED PROFESSIONAL ENGINEER DAVID PADILLA No. E16233 Exp. 12-31-06 ELECTRICAL STATE OF CALIFORNIA

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.

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

Caltrans Metric

CONDUCTOR SCHEDULE						
CONDUCTOR TYPE	FUNCTION	RUN 1				
48SMFO CABLE	VOICE/DATA	1				
48SMFO CABLE	MULTIPLEXED DATA/VIDEO		1			
48SMFO CABLE	VIDEO DISTRIBUTION			1		
	SIZE 25 INNERDUCT	1	1	1	1	
CONDUIT SIZE		103				103



NOTES: (THIS SHEET ONLY)

3 INSTALL CONDUIT IN TRENCH IN ASPHALT. SEE SHEET E-47 FOR DETAILS.

5 JACK CONDUIT BENEATH ROADWAY. SEE SHEET C-14 FOR DETAILS.

6 ADD 12SMFO CABLE IN EXISTING CONDUIT AND INSTALL C-MIC AND FOAM IN EXISTING CONTROLLER CABINET. SEE SHEETE -51.

8 INSTALL FIBER OPTIC SPLICE CLOSURE. SEE SHEETS E-18 AND E-50 FOR DETAILS.

9 INSTALL 53C UNDER ROADWAY. INSTALL 12SMFO.

10 INSTALL 53C IN SOIL. INSTALL 12SMFO.

AS-BUILT
Contract No. 07- 120884
Resident Engineer: H. MANNAA
Completion Date: 05/28/06

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

COMMUNICATION SYSTEM ROUTING

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

SCALE 1:1000

E-19

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

USERNAME => trienard
DGN FILE => T120884u0019.dgn

CU 07388

EA 120881

LAST REVISION 00-00-00
DATE PLOTTED => 09-JUL-2006
TIME PLOTTED => 07:13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ITS DESIGN

PROJECT ENGINEER DAVID PADILLA

CALCULATED/DESIGNED BY DAVID PADILLA
CHECKED BY DAVID PADILLA

DATE REVISED BY 6-05
DATE REVISED 6-05

07	LA,Ven	23,101	Var	73	160

REGISTERED ELECTRICAL ENGINEER

6-27-05
PLANS APPROVAL DATE

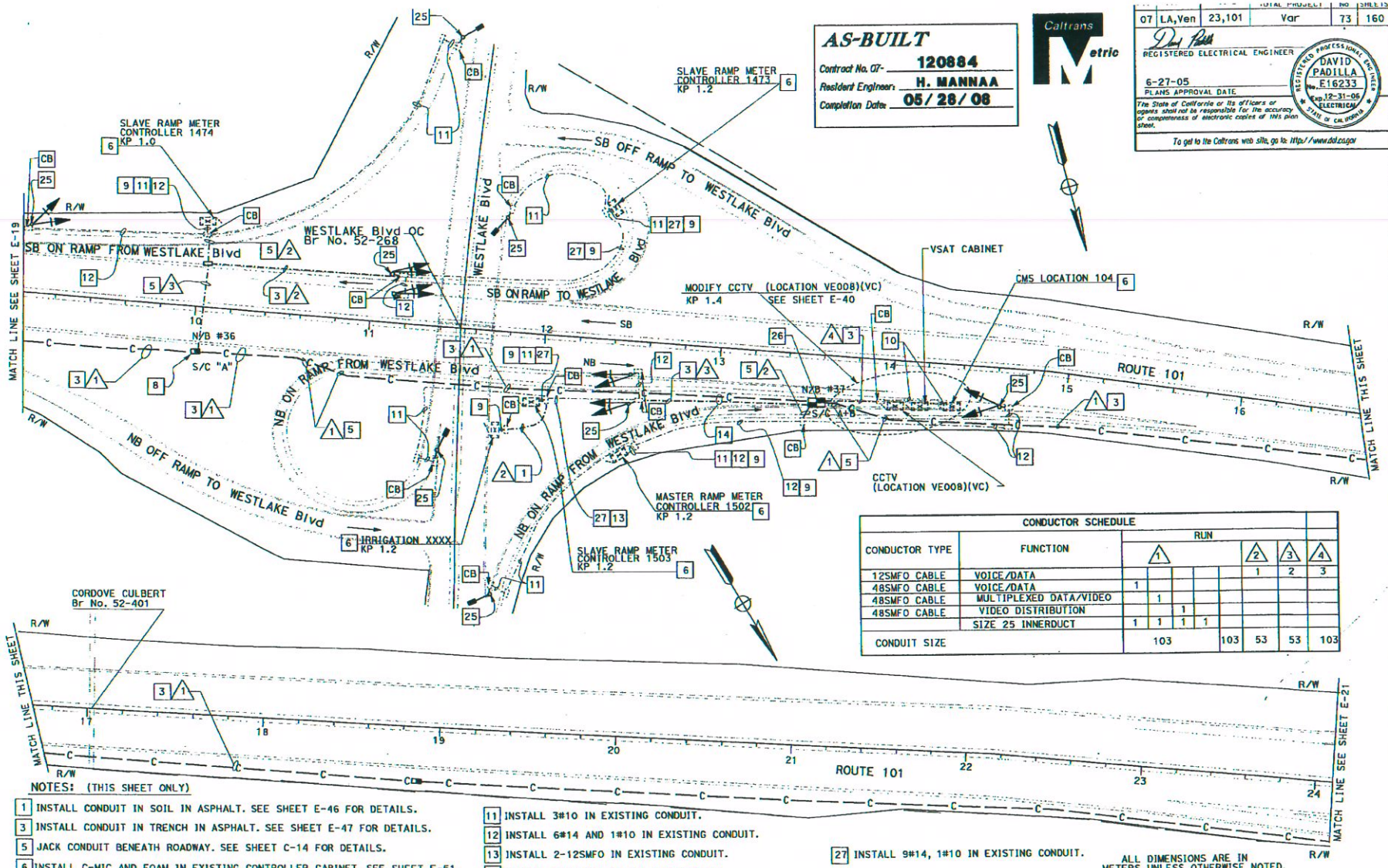
REGISTERED PROFESSIONAL ENGINEER DAVID PADILLA No. E16233 EXP. 12-31-06 ELECTRICAL STATE OF CALIFORNIA

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.

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

AS-BUILT
Contract No. 07- 120884
Resident Engineer: H. MANNAA
Completion Date: 05/28/08

Caltrans Metric



CONDUCTOR SCHEDULE								
CONDUCTOR TYPE	FUNCTION	RUN 1					RUN 2	RUN 3	RUN 4
12SMFO CABLE	VOICE/DATA						1	2	3
48SMFO CABLE	VOICE/DATA	1							
48SMFO CABLE	MULTIPLEXED DATA/VIDEO		1						
48SMFO CABLE	VIDEO DISTRIBUTION			1					
	SIZE 25 INNERDUCT	1	1	1	1				
CONDUIT SIZE		103				103	53	53	103

NOTES: (THIS SHEET ONLY)

1. INSTALL CONDUIT IN SOIL IN ASPHALT. SEE SHEET E-46 FOR DETAILS.
3. INSTALL CONDUIT IN TRENCH IN ASPHALT. SEE SHEET E-47 FOR DETAILS.
5. JACK CONDUIT BENEATH ROADWAY. SEE SHEET C-14 FOR DETAILS.
6. INSTALL C-MIC AND FOAM IN EXISTING CONTROLLER CABINET. SEE SHEET E-51. ADD 12SMFO AND CONNECT TO CONTROLLER.
8. INSTALL FIBER OPTIC SPLICE CLOSURE.
9. ADD 12SMFO IN EXISTING CONDUIT.
10. RC 12P22 CABLE. INSTALL 1-12SMFO IN EXISTING CONDUIT.
11. INSTALL 3#10 IN EXISTING CONDUIT.
12. INSTALL 6#14 AND 1#10 IN EXISTING CONDUIT.
13. INSTALL 2-12SMFO IN EXISTING CONDUIT.
14. INSTALL CONDUITS IN THE SAME TRENCH.
25. SEE SHEET E-52.
26. INSTALL FIBER OPTIC SPLICE CLOSURES IN SPLICE VAULT SEE SHEET E-49 FOR DETAILS.
27. INSTALL 9#14, 1#10 IN EXISTING CONDUIT.

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

COMMUNICATION SYSTEM ROUTING

SCALE 1:1000

E-20

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	PROJECT ENGINEER	CALCULATED/DESIGNED BY	CHECKED BY	DATE	REVISED BY	DATE	REVISED
Caltrans ITS DESIGN	DAVID PADILLA	DAVID PADILLA	DAVID PADILLA	6-05		6-05	

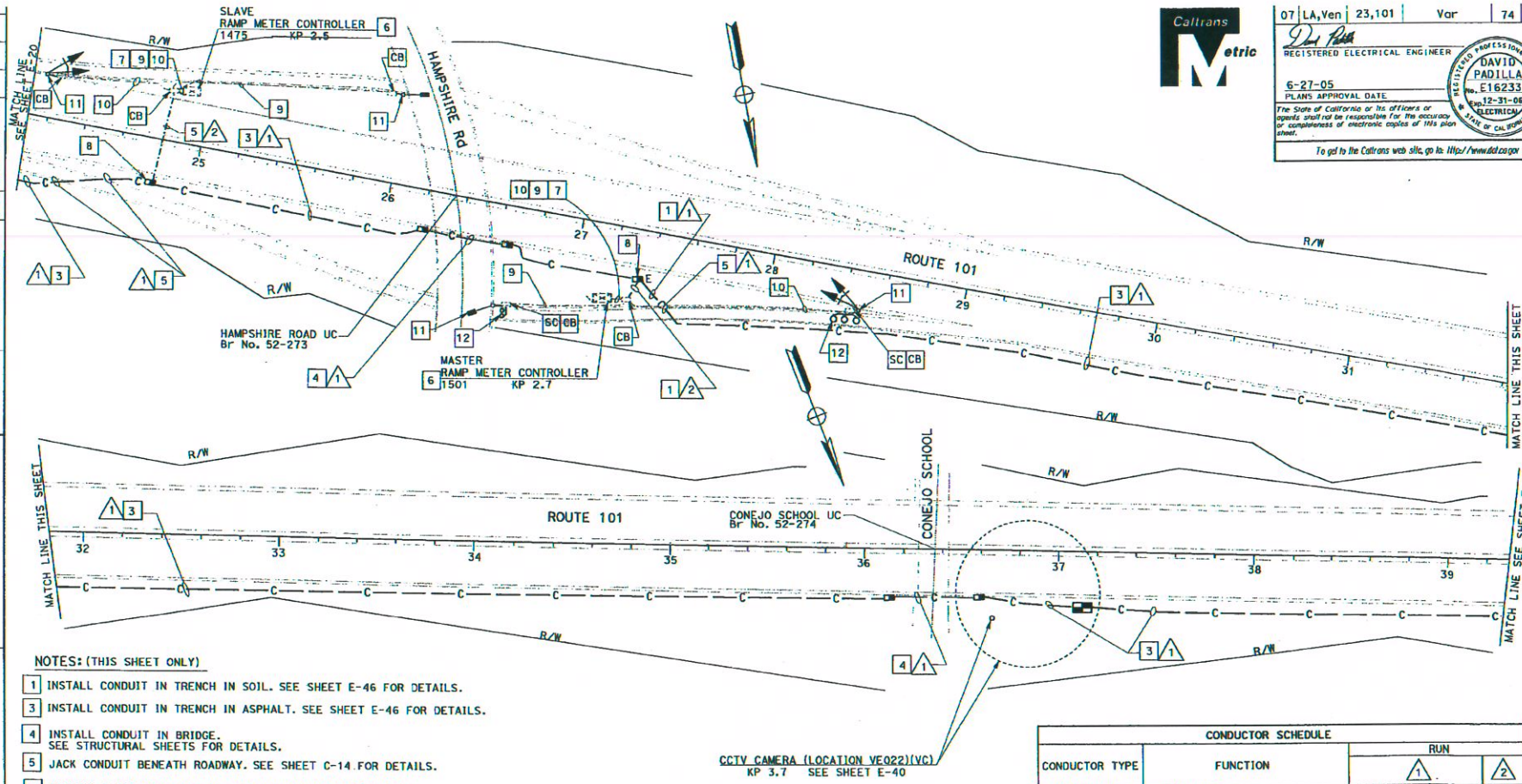
FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => s123048
DGN FILE => 712088uo020.dgn

CU 07388

EA 120881

LAST REVISION DATE PLOTTED => 17-SEP-2008



NOTES: (THIS SHEET ONLY)

1. INSTALL CONDUIT IN TRENCH IN SOIL. SEE SHEET E-46 FOR DETAILS.
3. INSTALL CONDUIT IN TRENCH IN ASPHALT. SEE SHEET E-46 FOR DETAILS.
4. INSTALL CONDUIT IN BRIDGE. SEE STRUCTURAL SHEETS FOR DETAILS.
5. JACK CONDUIT BENEATH ROADWAY. SEE SHEET C-14 FOR DETAILS.
6. INSTALL C-MIC AND FODM IN EXISTING CONTROLLER CABINET. SEE SHEET E-51.
7. ADD 1-12SMFO IN EXISTING CONDUIT AND CONNECT TO CONTROLLER.
8. INSTALL FIBER OPTIC SPLICE CLOSURE. SEE SHEETS E-48 AND E-50 FOR DETAILS.
9. INSTALL 3#10 IN EXISTING CONDUIT FOR METER ON SIGN.
10. INSTALL 6#14 AND 1#10 IN EXISTING CONDUIT FOR RAMP METER SIGNAL.
11. SEE SHEET E-52.
12. INSTALL TYPE E DETECTOR LOOPS. SEE SHEET E-52.

AS-BUILT
Contract No. 07- 120884
Resident Engineer: H. MANNAA
Completion Date: 05/28/08

CONDUCTOR SCHEDULE							
CONDUCTOR TYPE	FUNCTION	RUN 1					RUN 2
12SMFO CABLE	VOICE/DATA						1
48SMFO CABLE	VOICE/DATA	1					
48SMFO CABLE	MULTIPLEXED DATA/VIDEO		1				
48SMFO CABLE	VIDEO DISTRIBUTION			1			
	SIZE 25 INNERDUCT	1	1	1	1		
CONDUIT SIZE		103				103	53

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

COMMUNICATION SYSTEM ROUTING

SCALE: 1:1000

E-21

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

07 | LA,Ven | 23,101 | Var | 74 | 160

REGISTERED ELECTRICAL ENGINEER

6-27-05
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DAVID PADILLA No. E16233 Exp. 12-31-06 ELECTRICAL 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.

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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ITS DESIGN

PROJECT ENGINEER: DAVID PADILLA
CALCULATED/DESIGNED BY: DAVID PADILLA
CHECKED BY: DAVID PADILLA
REVISED BY
DATE REVISED: 6-05

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

USERNAME => s123049
DGN FILE => 712088uc021.dgn

CU 07388 | EA 120881

DATE PLOTTED => 17-SEP-2008

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	L.A.,Ven	23,101	Var	74	160

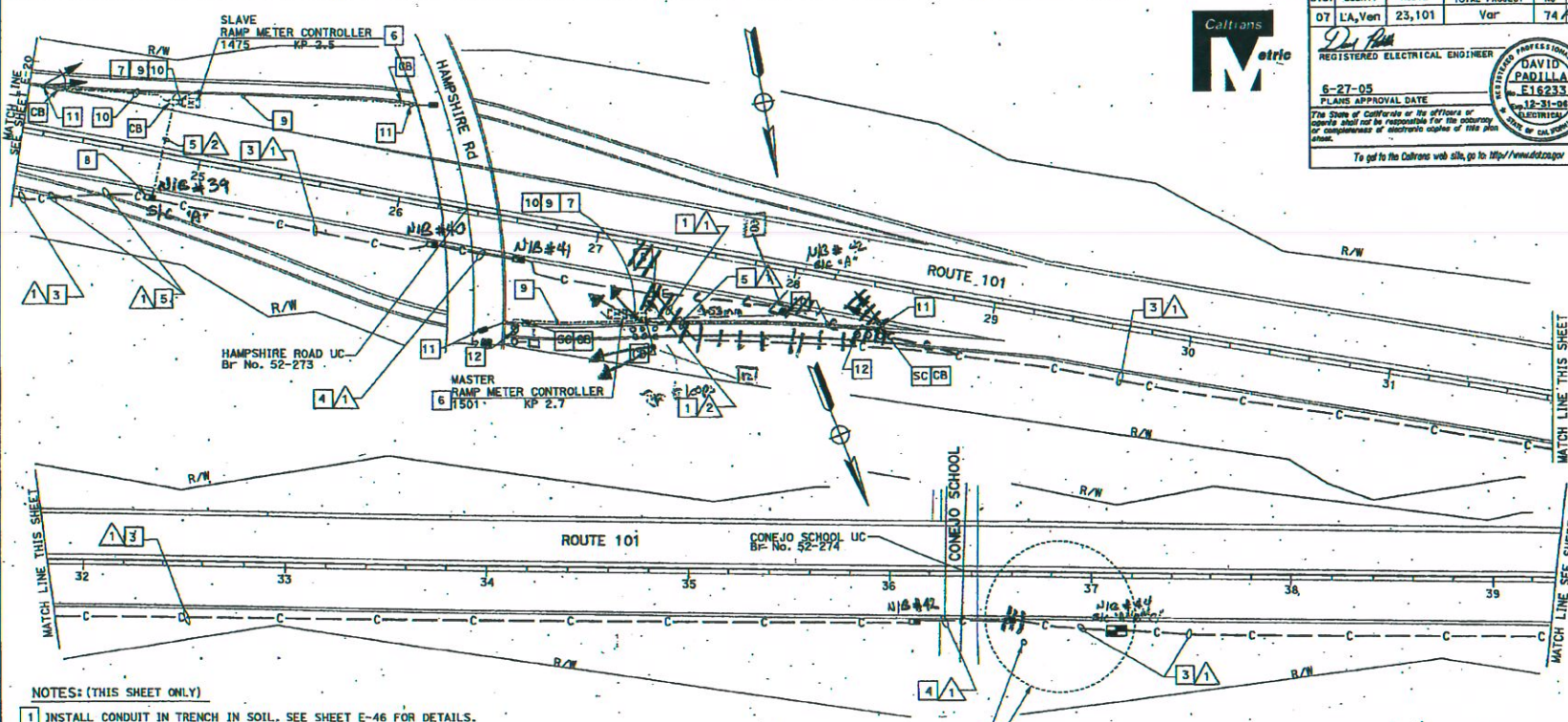
REGISTERED ELECTRICAL ENGINEER

6-27-05
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DAVID PADILLA No. E16233 Exp. 12-31-06 ELECTRICAL 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.

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



NOTES: (THIS SHEET ONLY)

1. INSTALL CONDUIT IN TRENCH IN SOIL. SEE SHEET E-46 FOR DETAILS.
3. INSTALL CONDUIT IN TRENCH IN ASPHALT. SEE SHEET E-46 FOR DETAILS.
4. INSTALL CONDUIT IN BRIDGE. SEE STRUCTURAL SHEETS FOR DETAILS.
5. JACK CONDUIT BENEATH ROADWAY. SEE SHEET C-14 FOR DETAILS.
6. INSTALL C-MIC AND FODM IN EXISTING CONTROLLER CABINET. SEE SHEET E-51.
7. ADD 1-12SMFO IN EXISTING CONDUIT AND CONNECT TO CONTROLLER.
8. INSTALL FIBER OPTIC SPLICE CLOSURE. SEE SHEETS E-48 AND E-50 FOR DETAILS.
9. INSTALL 3#10 IN EXISTING CONDUIT FOR METER ON SIGN.
10. INSTALL 6#14 AND 1#10 IN EXISTING CONDUIT FOR RAMP METER SIGNAL.
11. SEE SHEET E-52.
12. INSTALL TYPE E DETECTOR LOOPS. SEE SHEET E-52.

AS-BUILT
Contract No. 07- 120884
Resident Engineer H. MANNAA
Completion Date 05/28/06

CONDUCTOR SCHEDULE

CONDUCTOR TYPE	FUNCTION	RUN 1				RUN 2
12SMFO CABLE	VOICE/DATA					1
48SMFO CABLE	VOICE/DATA	1				
48SMFO CABLE	MULTIPLEXED DATA/VIDEO		1			
48SMFO CABLE	VIDEO DISTRIBUTION			1		
	SIZE 25 INNERDUCT	1	1	1	1	
CONDUIT SIZE		103			103	53

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

COMMUNICATION SYSTEM ROUTING

SCALE: 1:1000

E-21

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ITS DESIGN

PROJECT ENGINEER DAVID PADILLA
CALCULATED/DESIGNED BY DAVID PADILLA
CHECKED BY DAVID PADILLA
REVISED BY DAVID PADILLA
DATE REVISED 6-05 6-05

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

USERNAME => trlenard
DGN FILE => 07120884un021.dgn

CU 07388 EA 120881

LAST REVISION 00-00-00 DATE PLOTTED => 27-JUL-2005 TIME PLOTTED => 07:03