FOR CONTRACT NO.: 07-1W5604

INFORMATION HANDOUT

ELECTRICAL INFORMATION

FIBER OPTIC SYSTEM AS-BUILT DRAWINGS

ROUTE: 07-Ven-23, 101, 118, 126, 150 - Var

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	Ven,LA	23,118	Var	375	667

REGISTERED ELECTRICAL ENGINEER 08-30-06

10-2-06
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SUNG LEE No. E16249 Exp. 12/31/06 ELECTRICAL STATE OF CALIFORNIA

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

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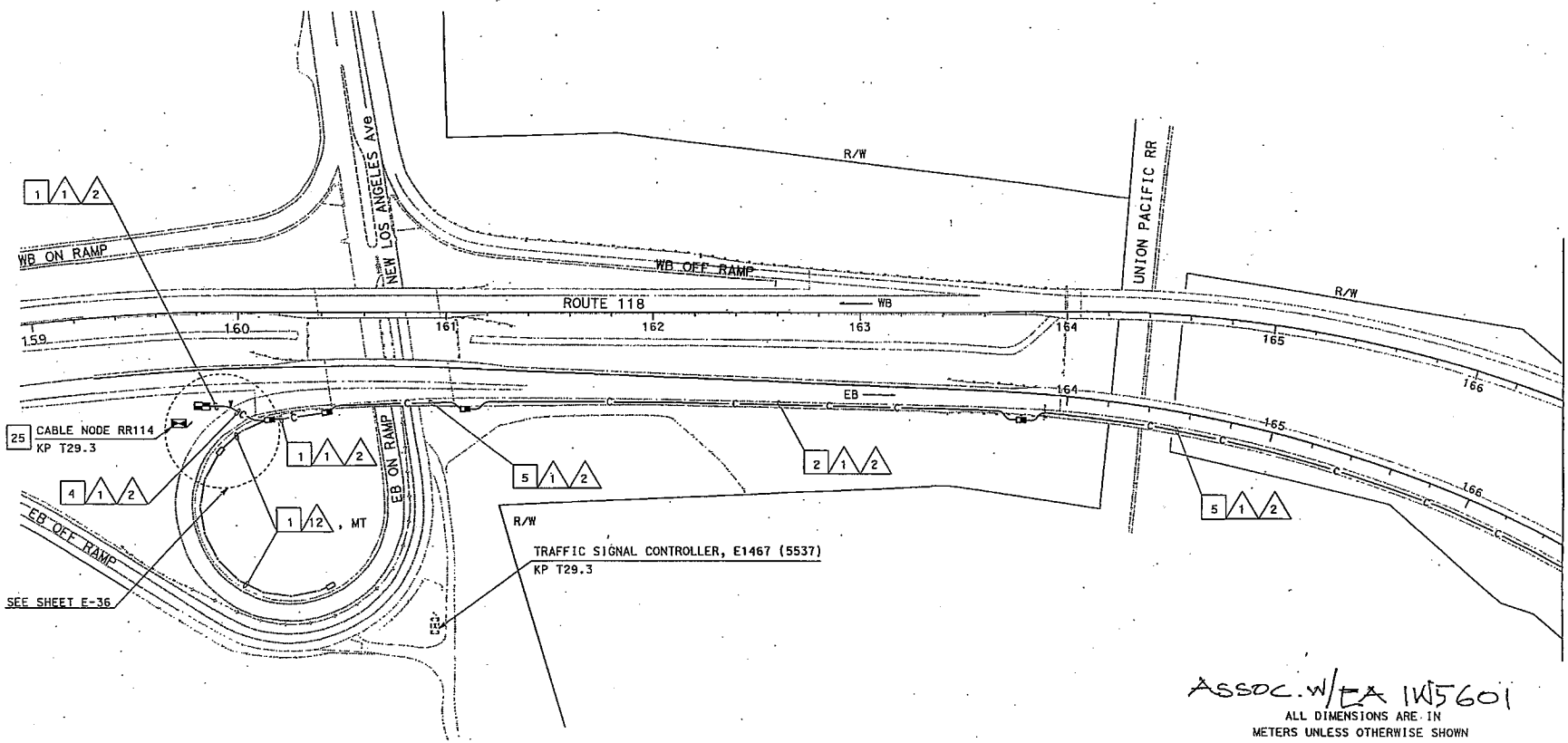
CONSTRUCTION NOTES (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUIT IN UNPAVED AREA. SEE SHEET E-47 FOR DETAILS.
2. TRENCH AND INSTALL CONDUIT IN PAVED AREA. SEE SHEET E-47 FOR DETAILS.
4. JACK TYPE 1 CONDUIT BENEATH ROADWAY. SEE SHEET E-49 FOR DETAILS.
5. SHOWN FOR REFERENCE ONLY. SEE BRIDGE STRUCTURE PLANS FOR CONDUIT INSTALLATION TYPE AND DETAIL.
25. SHOWN FOR REFERENCE ONLY. FOR INSTALLATION REFER TO LOCATION PLAN.

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

CONDUIT AND CONDUCTOR TYPE	FUNCTION	RUN 1				2	12
48SMFO CABLE	DATA/VOICE	1					
36SMFO CABLE	VIDEO/VOICE		1				
48SMFO CABLE	VIDEO/DATA			1			
INNERDUCT (SIZE 25)		1	1	1	1	4	
CONDUIT SIZE		103				103	53



Assoc. w/ EA 1W5601

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

COMMUNICATION SYSTEM ROUTING

SCALE 1:1000

Sht 1 of 1

E-2

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

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

USERNAME => trcorol
DGN FILE => 711679uc002.dgn

CU 07388 | EA 116791

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ITS DEVELOPMENT

PROJECT ENGINEER SUNG LEE
CALCULATED/DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED
DATE

LAST REVISION 00-00-00
DATE PLOTTED => 07-OCT-2006
TIME PLOTTED => 08:44

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	Ven	23	R5.6/R18.5	566	849

Caltrans Metric

Jacqueline C. Tam 7-14-03
REGISTERED ELECTRICAL ENGINEER

8-22-05
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER JACQUELINE C. TAM No. E015611 Exp. 12/31/05 ELECTRICAL STATE OF CALIFORNIA

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

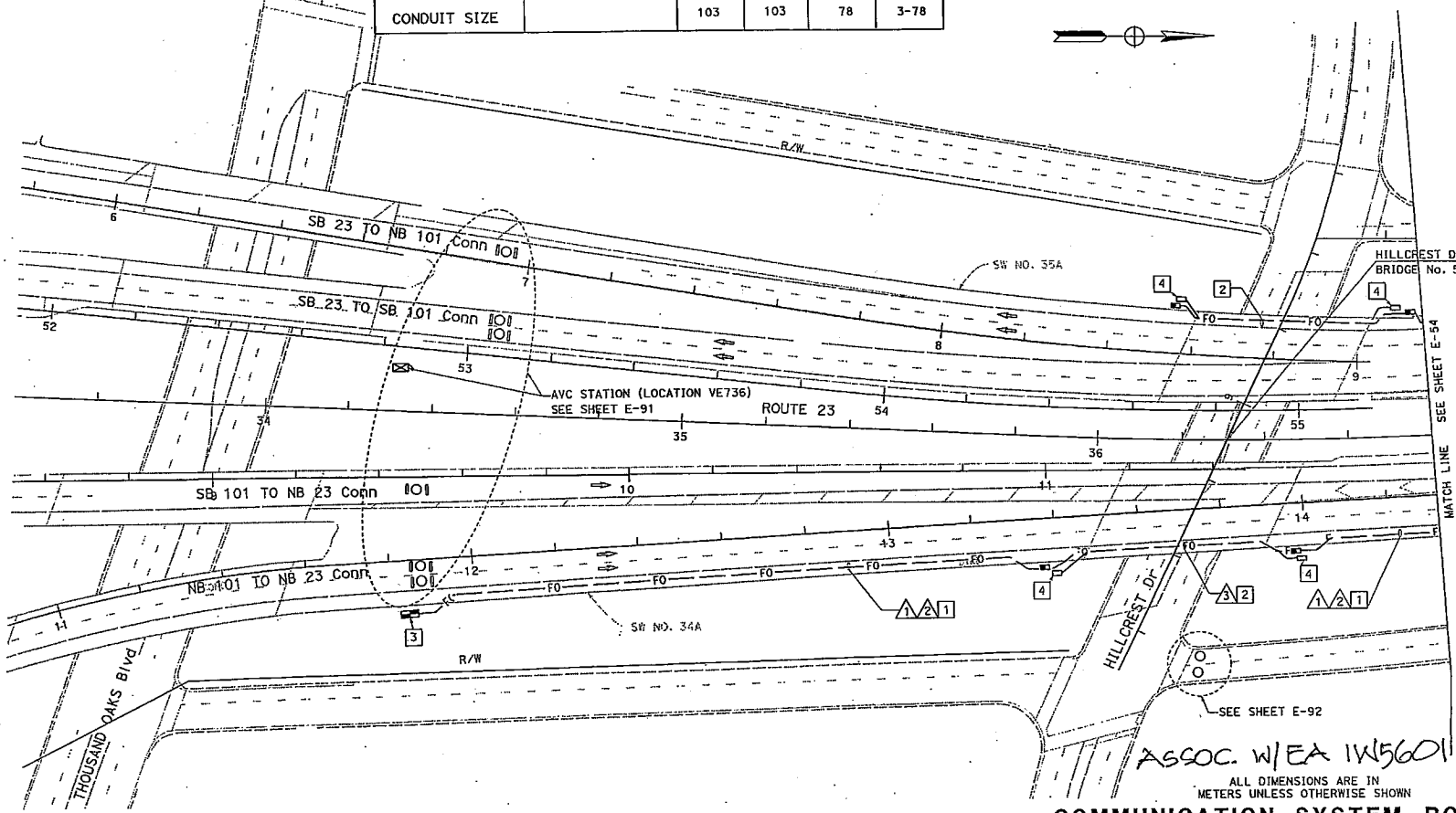
PROJECT NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUIT IN ASPHALT. SEE SHEET E-127 FOR DETAILS.
2. INSTALL 4-78C CONDUITS INSIDE BRIDGE BARRIER. SEE STRUCTURAL PLANS FOR DETAILS.
3. COIL 200 m OF EACH OF THE FIBER OPTIC CABLES IN THE SPLICE VAULT AND CAP ENDS OF CABLES.
4. TERMINATE 1-78C (MT) IN THIS PULL BOX (5T).
5. FOR UNDERGROUND TRANSITION DETAIL FROM BRIDGE GIRDER TO JACKED CONDUIT SEE DETAIL A ON SHEET E-130. MAINTAIN 1.3 m MINIMUM BENDING RADIUS.

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

CONDUIT/ CONDUCTOR	FUNCTION	RUN 1				RUN 2				RUN 3			
72SMFO CABLE	DATA	1								1			
72SMFO CABLE	VIDEO / DISTRIBUTION		1								1		
48SMFO CABLE	TRUNK LINE			1								1	
INNERDUCT (SIZE 25)		1	1	1	1	1	1	1	1	1	1	1	
CONDUIT SIZE		103				103				78			3-78

AS-BUILT
Contract No. 07- 115454
Resident Engineer: E. EID
Completion Date: 08/31/09



ASSOC. W/ EA 1W5601

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

COMMUNICATION SYSTEM ROUTING

SCALE 1:500

SHT 1 OF 11

E-53

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.
FOR LEGEND AND GENERAL NOTES AND SEE SHEETS E-51 AND E-52.

STATE OF CALIFORNIA — DEPARTMENT OF TRANSPORTATION
Caltrans ITS DEVELOPMENT

PROJECT ENGINEER: HOSAKERE K. ANANTH
CALCULATED/DESIGNED BY: HKA
CHECKED BY: JT
DATE REVISED BY: DATE REVISED

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80 USERNAME => S110796

DATE PLOTTED => 22-APR-2010
TIME PLOTTED => 09:54

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	Ven	23	R5.6/R18.5	569	849

Caltrans Metric

Jacqueline C. Tan 7-14-03
REGISTERED ELECTRICAL ENGINEER

8-22-05
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER JACQUELINE C. TAN No. E015611 Exp. 12/31/05 ELECTRICAL STATE OF CALIFORNIA

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

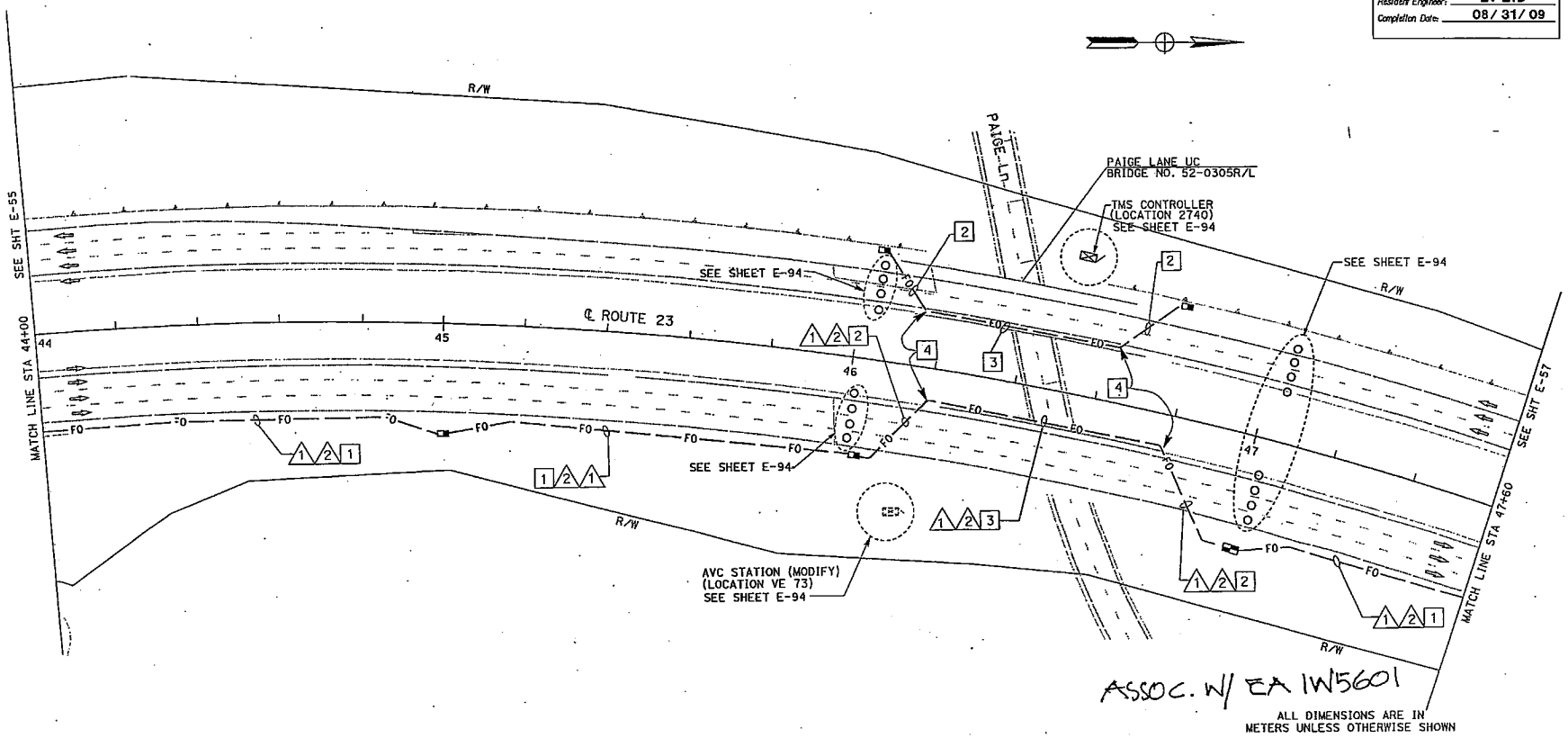
AS-BUILT
Contract No. 07- 115454
Resident Engineer: E. EID
Completion Date: 08/31/09

PROJECT NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL 2-103C IN ASPHALT. SEE SHEET E-127 FOR DETAILS.
2. JACK 2-103C BENEATH ROADWAY. SEE SHEET E-136 FOR DETAILS.
3. INSTALL 2-103C INSIDE NEW BRIDGE GIRDER (NB AND SB). SEE STRUCTURAL PLANS FOR DETAILS.
4. FOR UNDERGROUND TRANSITION FROM BRIDGE GIRDER TO JACKED CONDUIT SEE DETAIL A ON SHEET E-130. MAINTAIN 1.3 m MINIMUM BENDING RADIUS.

CONDUIT AND CONDUCTOR SCHEDULE THIS SHEET ONLY

CONDUIT/ CONDUCTOR	FUNCTION	RUN 1				RUN 2			
72SMFO CABLE	DATA	1							
72SMFO CABLE	VIDEO / DISTRIBUTION		1						
48SMFO CABLE	TRUNK LINE			1					
INNERDUCT (SIZE 25)		1	1	1	1	1	1	1	1
CONDUIT SIZE		103				103			



ASSOC. W/ EA 1W5601

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

COMMUNICATION SYSTEM ROUTING

SCALE 1:500

SHT 2 of 11

E-56

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.
FOR LEGEND AND GENERAL NOTES AND SEE SHEETS E-51 AND E-52.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ITS DEVELOPMENT
PROJECT ENGINEER: HOSAKERE K. ANANTH
CALCULATED/DESIGNED BY: HKA
CHECKED BY: JT
DATE REVISED BY
DATE REVISED

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80 USERNAME => S110796

LAST REVISION 00-00-00 DATE PLOTTED => 22-APR-2010 TIME PLOTTED => 09:55

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	Ven	23	R5.6/R18.5	572	849

REGISTERED ELECTRICAL ENGINEER 7-14-03

8-22-05
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER JACQUELINE C. TAN No. E015611 Exp. 12/31/05 ELECTRICAL STATE OF CALIFORNIA

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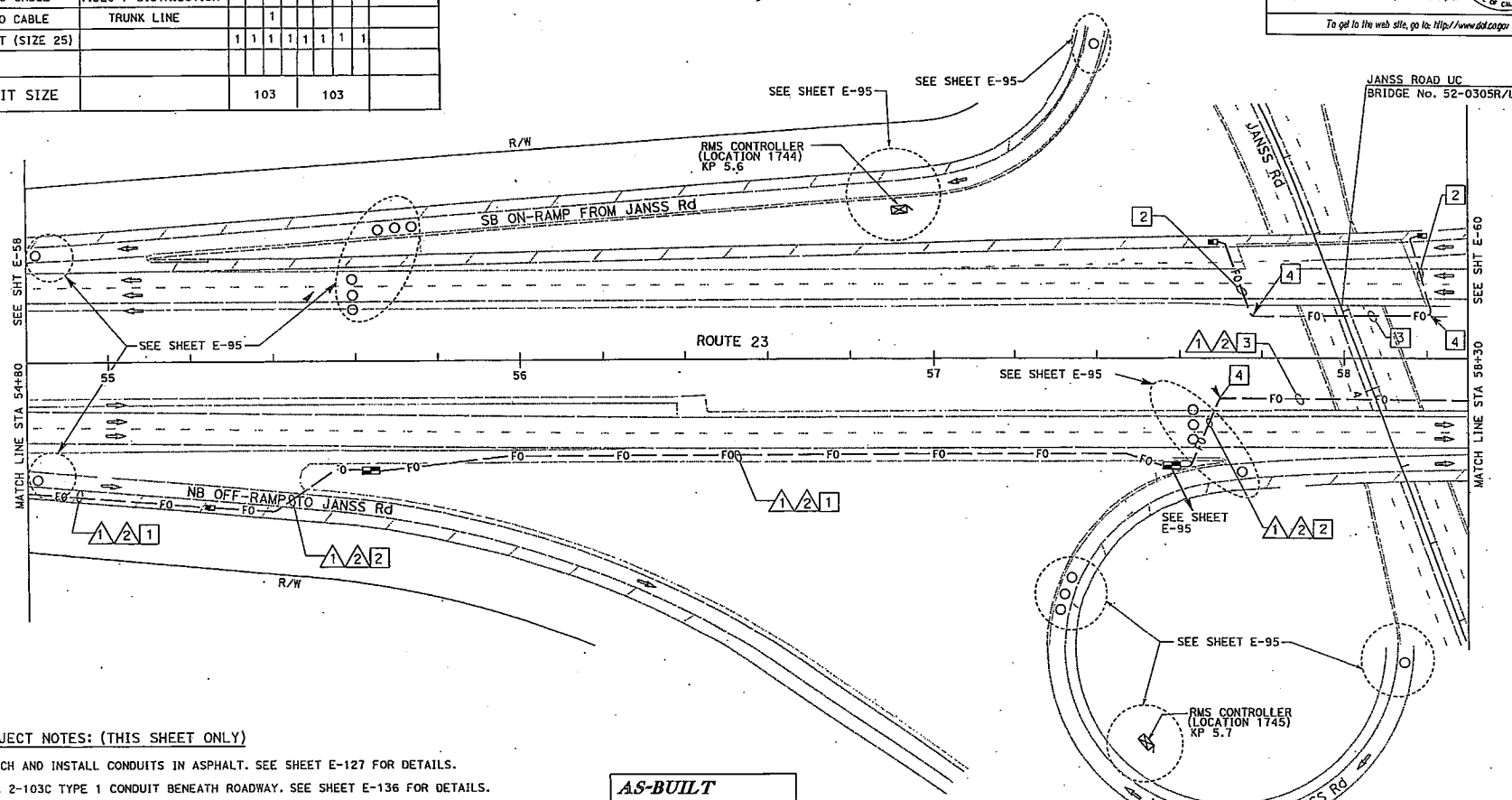
To get to the web site, go to: http://www.dot.ca.gov

Caltrans Metric street.

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

CONDUIT/ CONDUCTOR	FUNCTION	RUN 1				RUN 2				
72SMFO CABLE	DATA	1								
72SMFO CABLE	VIDEO / DISTRIBUTION		1							
48SMFO CABLE	TRUNK LINE			1						
INNERDUCT (SIZE 25)		1	1	1	1	1	1	1	1	
CONDUIT SIZE		103				103				



PROJECT NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUITS IN ASPHALT. SEE SHEET E-127 FOR DETAILS.
2. JACK 2-103C TYPE 1 CONDUIT BENEATH ROADWAY. SEE SHEET E-136 FOR DETAILS.
3. INSTALL 2-103C TYPE I CONDUIT(S) INSIDE NEW BRIDGE GIRDER(NB AND SB). SEE STRUCTURAL PLANS FOR DETAILS.
4. FOR UNDERGROUND TRANSITION FROM BRIDGE GIRDER TO JACKED CONDUIT SEE DETAIL A ON SHEET E-130. MAINTAIN 1.3 m MINIMUM BENDING RADIUS.

AS-BUILT
Contract No. 07- 115454
Resident Engineer: E. EID
Completion Date: 08/31/09

ASSOC. W/EA 1W5601

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.
FOR LEGEND AND GENERAL NOTES AND SEE SHEETS E-51 AND E-52.

COMMUNICATION SYSTEM ROUTING

SCALE 1:500

SHT 3 of 11

E-59

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ITS DEVELOPMENT
PROJECT ENGINEER: HOSAKERE K. ANANTH
CALCULATED/DESIGNED BY: HKA
CHECKED BY: JT
REVISED BY / DATE REVISED / DATE

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80

USERNAME => S110796

CU 07388

EA 115451

LAST REVISION 00-00-00
DATE PLOTTED => 23-APR-2010
TIME PLOTTED => 8:35

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	Ven	23	R5.6/R18.5	573	849

Jacqueline C Tan 7-14-03
REGISTERED ELECTRICAL ENGINEER

8-22-05
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER JACQUELINE C. TAN No. E015611 Exp. 12/31/05 ELECTRICAL STATE OF CALIFORNIA

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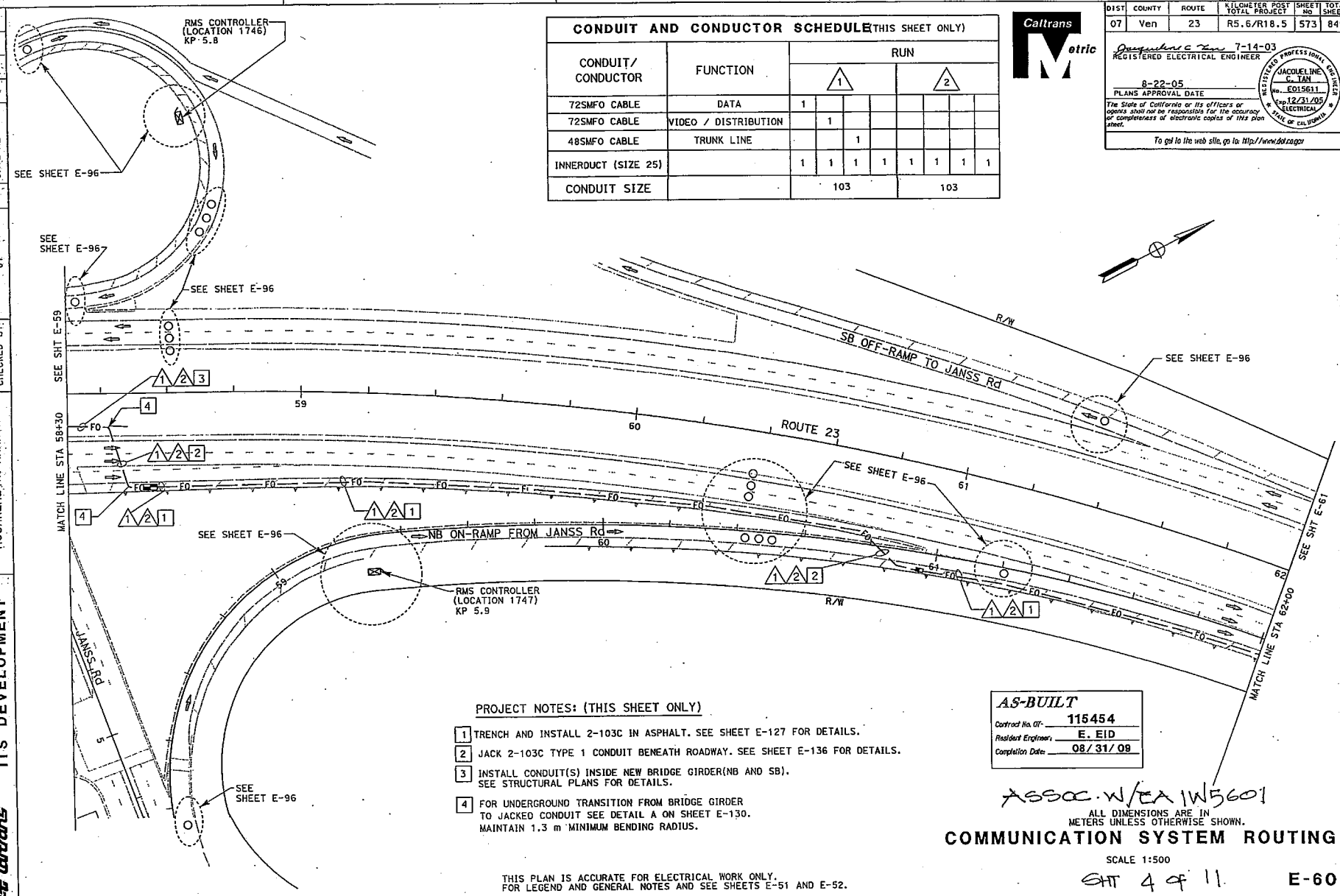
CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

CONDUIT/ CONDUCTOR	FUNCTION	RUN 1				RUN 2			
72SMFO CABLE	DATA	1							
72SMFO CABLE	VIDEO / DISTRIBUTION		1						
48SMFO CABLE	TRUNK LINE			1					
INNERDUCT (SIZE 25)		1	1	1	1	1	1	1	1
CONDUIT SIZE		103				103			



PROJECT NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL 2-103C IN ASPHALT. SEE SHEET E-127 FOR DETAILS.
2. JACK 2-103C TYPE 1 CONDUIT BENEATH ROADWAY. SEE SHEET E-136 FOR DETAILS.
3. INSTALL CONDUIT(S) INSIDE NEW BRIDGE GIRDER(NB AND SB). SEE STRUCTURAL PLANS FOR DETAILS.
4. FOR UNDERGROUND TRANSITION FROM BRIDGE GIRDER TO JACKED CONDUIT SEE DETAIL A ON SHEET E-130. MAINTAIN 1.3 m MINIMUM BENDING RADIUS.

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.
FOR LEGEND AND GENERAL NOTES AND SEE SHEETS E-51 AND E-52.

AS-BUILT
Contract No. 07- 115454
Resident Engineer: E. EID
Completion Date: 08/31/09

ASSOC. W/EA 1W5601

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

COMMUNICATION SYSTEM ROUTING

SCALE 1:500

SHT 4 of 11

E-60

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ITS DEVELOPMENT
PROJECT ENGINEER: HOSAKERE, K. ANANTH
CALCULATED/DESIGNED BY: HKA
CHECKED BY: JT
DATE REVISED: BY
DATE REVISED

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80
USERNAME => S110796
CU 07388
EA 115451
LAST REVISION 00-00-00
DATE PLOTTED => 22-APR-2010
TIME PLOTTED => 09:56

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	Ven	23	R5.6/R18.5	577	849

Jacqueline C. Tan 7-14-03
REGISTERED ELECTRICAL ENGINEER

8-22-05
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER JACQUELINE C. TAN No. E015611 Exp. 12/31/05 ELECTRICAL STATE OF CALIFORNIA

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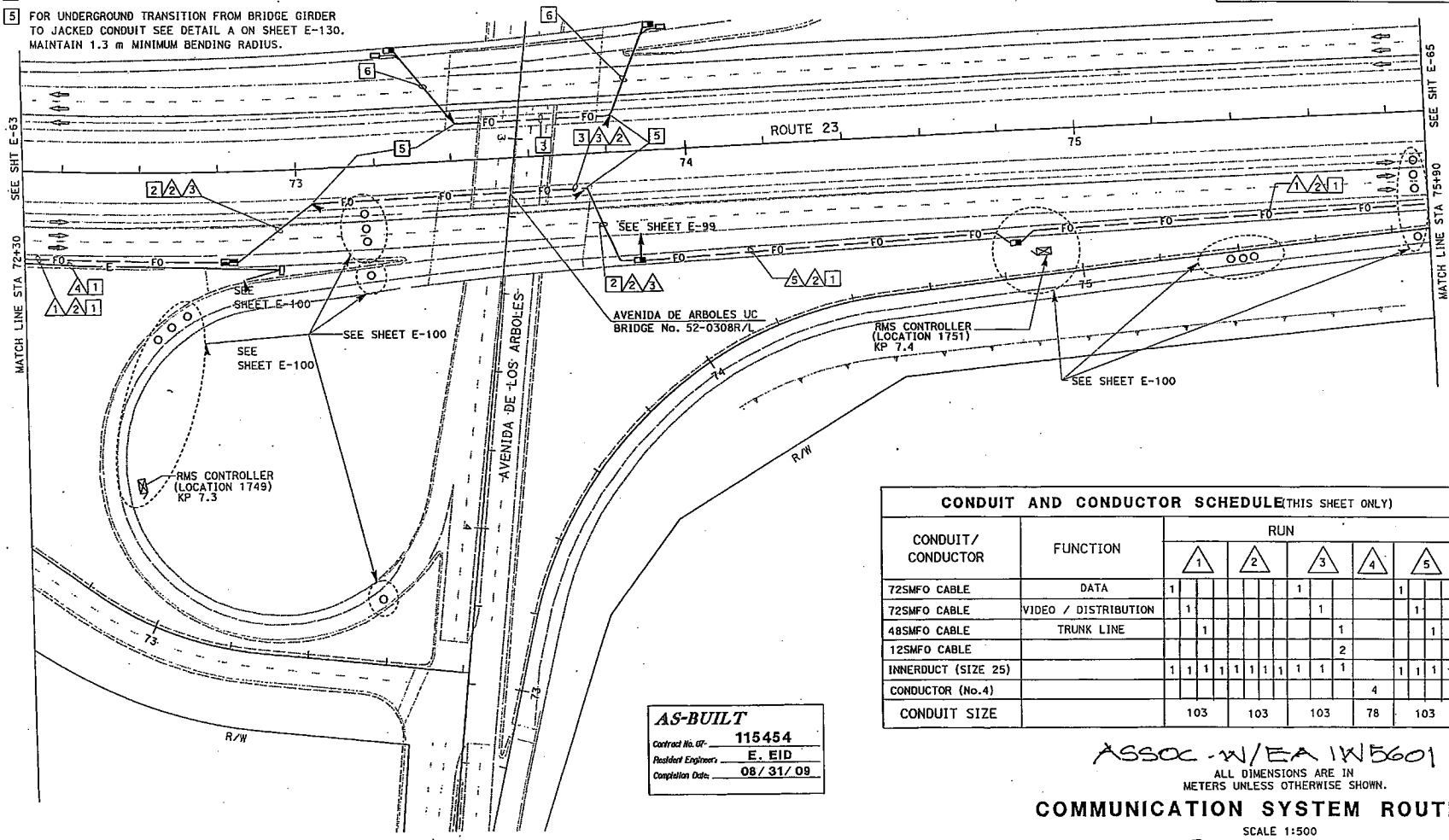
PROJECT NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUITS IN ASPHALT. SEE SHEET E-127 FOR DETAILS.
2. JACK CONDUITS BENEATH ROADWAY. SEE SHEET E-136 FOR DETAILS.
3. INSTALL 2-103C INSIDE BRIDGE BARRIER(NB AND SB). SEE STRUCTURAL PLANS FOR DETAILS.
4. SERVICE EQUIPMENT ENCLOSURE INSTALLATION INCLUDED IN LIGHTING PLANS.
5. FOR UNDERGROUND TRANSITION FROM BRIDGE GIRDER TO JACKED CONDUIT SEE DETAIL A ON SHEET E-130. MAINTAIN 1.3 m MINIMUM BENDING RADIUS.
6. JACK 2-103C CONDUITS BENEATH ROADWAY. SEE SHEET E-136 FOR DETAILS.



CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

CONDUIT/ CONDUCTOR	FUNCTION	RUN 1				RUN 2				RUN 3			RUN 4	RUN 5			
72SMFO CABLE	DATA	1								1				1			
72SMFO CABLE	VIDEO / DISTRIBUTION		1								1				1		
48SMFO CABLE	TRUNK LINE			1								1				1	
12SMFO CABLE												2					2
INNERDUCT (SIZE 25)		1	1	1	1	1	1	1	1	1	1	1		1	1	1	1
CONDUCTOR (No.4)													4				
CONDUIT SIZE		103				103				103			78	103			

AS-BUILT
Contract No. 07- 115454
Resident Engineer: E. EID
Completion Date: 08/31/09

ASSOC -W/EA 1W5601

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

COMMUNICATION SYSTEM ROUTING

SCALE 1:500

SHT 5 of 11

E-64

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.
FOR LEGEND AND GENERAL NOTES AND SEE SHEETS E-51 AND E-52.

DATE	REVISED BY	DATE REVISED
HKA	JT	

CALCULATED/DESIGNED BY HKA
CHECKED BY JT
PROJECT ENGINEER HOSAKERE K. ANANTH

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ITS DEVELOPMENT

LAST REVISION 00-00-00 DATE PLOTTED => 22-APR-2010 TIME PLOTTED => 08:57

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80 USERNAME => S110796 CU 07388 EA 115451

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	Ven	23	R5.6/R18.5	580	849

REGISTERED ELECTRICAL ENGINEER 7-14-03

8-22-05
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER JACQUELINE C. TAN No. E015611 Exp. 12/31/05 ELECTRICAL STATE OF CALIFORNIA

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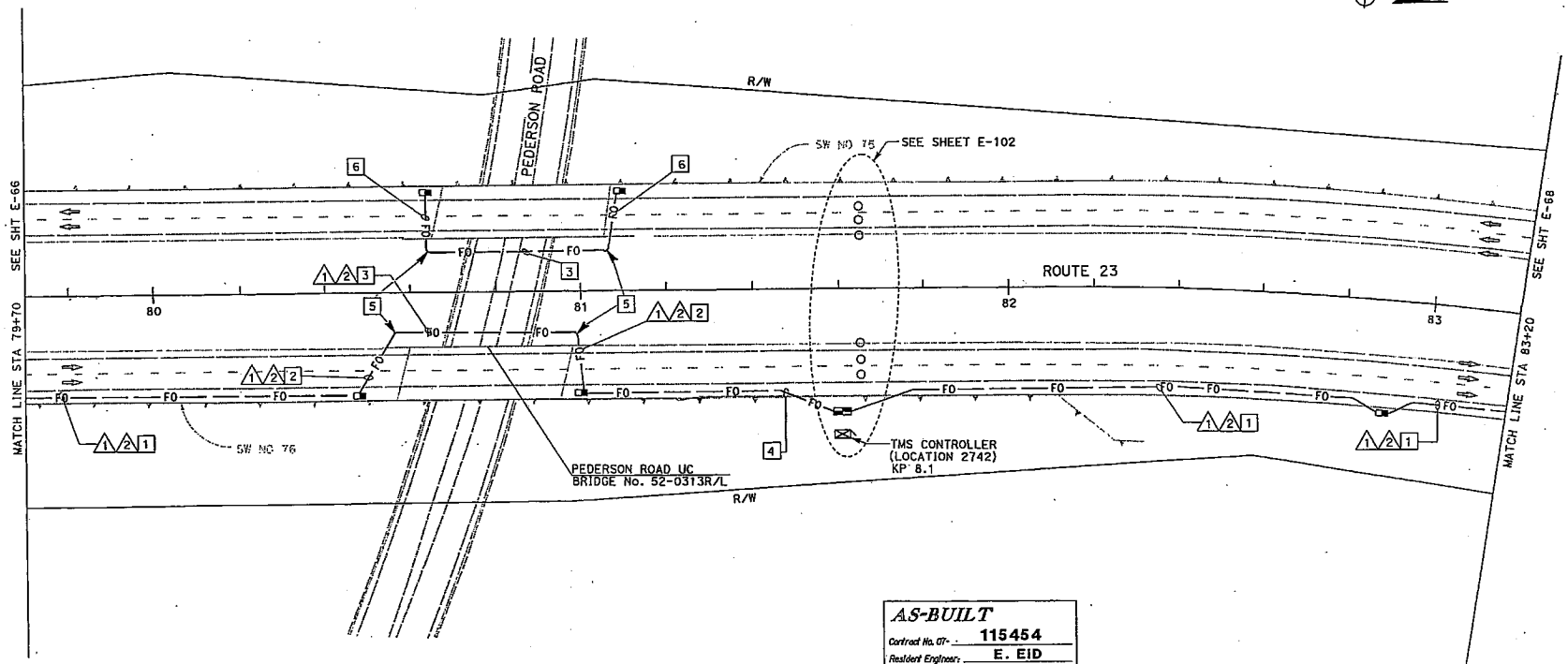
PROJECT NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUITS IN ASPHALT. SEE SHEET E-127 FOR DETAILS.
2. JACK CONDUITS BENEATH ROADWAY. SEE SHEET E-136 FOR DETAILS.
3. INSTALL 2-103C CONDUITS INSIDE BRIDGE GIRDER(NB AND SB). SEE STRUCTURAL PLANS FOR DETAILS.
4. SEE SOUND WALL PLANS FOR TMS CABINET ACCESS DOOR DETAILS.
5. FOR UNDERGROUND TRANSITION FROM BRIDGE GIRDER TO JACKED CONDUIT SEE DETAIL A ON SHEET E-130. MAINTAIN 1.3 m MINIMUM BENDING RADIUS.
6. JACK 2-103C BENEATH ROADWAY. SEE SHEET E-136 FOR DETAILS.

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

CONDUIT/ CONDUCTOR	FUNCTION	RUN 1				RUN 2			
72SMFO CABLE	DATA	1							
72SMFO CABLE	VIDEO / DISTRIBUTION		1						
48SMFO CABLE	TRUNK LINE			1					
INNERDUCT (SIZE 25)		1	1	1	1	1	1	1	1
CONDUIT SIZE		103				103			



AS-BUILT
Contract No. 07- 115454
Resident Engineer: E. EID
Completion Date: 08/31/09

ASSOC. W/EA 1W5601

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.
FOR LEGEND AND GENERAL NOTES AND SEE SHEETS E-51 AND E-52.

COMMUNICATION SYSTEM ROUTING

SCALE 1:500

Sht. 6 of 11

E-67

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ITS DEVELOPMENT

PROJECT ENGINEER: HOSAKERE K. ANANTH
CALCULATED/DESIGNED BY: HKA
CHECKED BY: JT
DATE REVISED
REVISED BY

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80

USERNAME => S110796

CU 07388 EA 115451

LAST REVISION 00-00-00
DATE PLOTTED => 22-APR-2010
TIME PLOTTED => 09:56

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	Ven	23	R5.6/R18.5	586	849

Caltrans Metric

Jacqueline C. Tan 7-14-03
REGISTERED ELECTRICAL ENGINEER

8-22-05
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER JACQUELINE C. TAN No. E015611 Exp. 12/31/05 ELECTRICAL STATE OF CALIFORNIA

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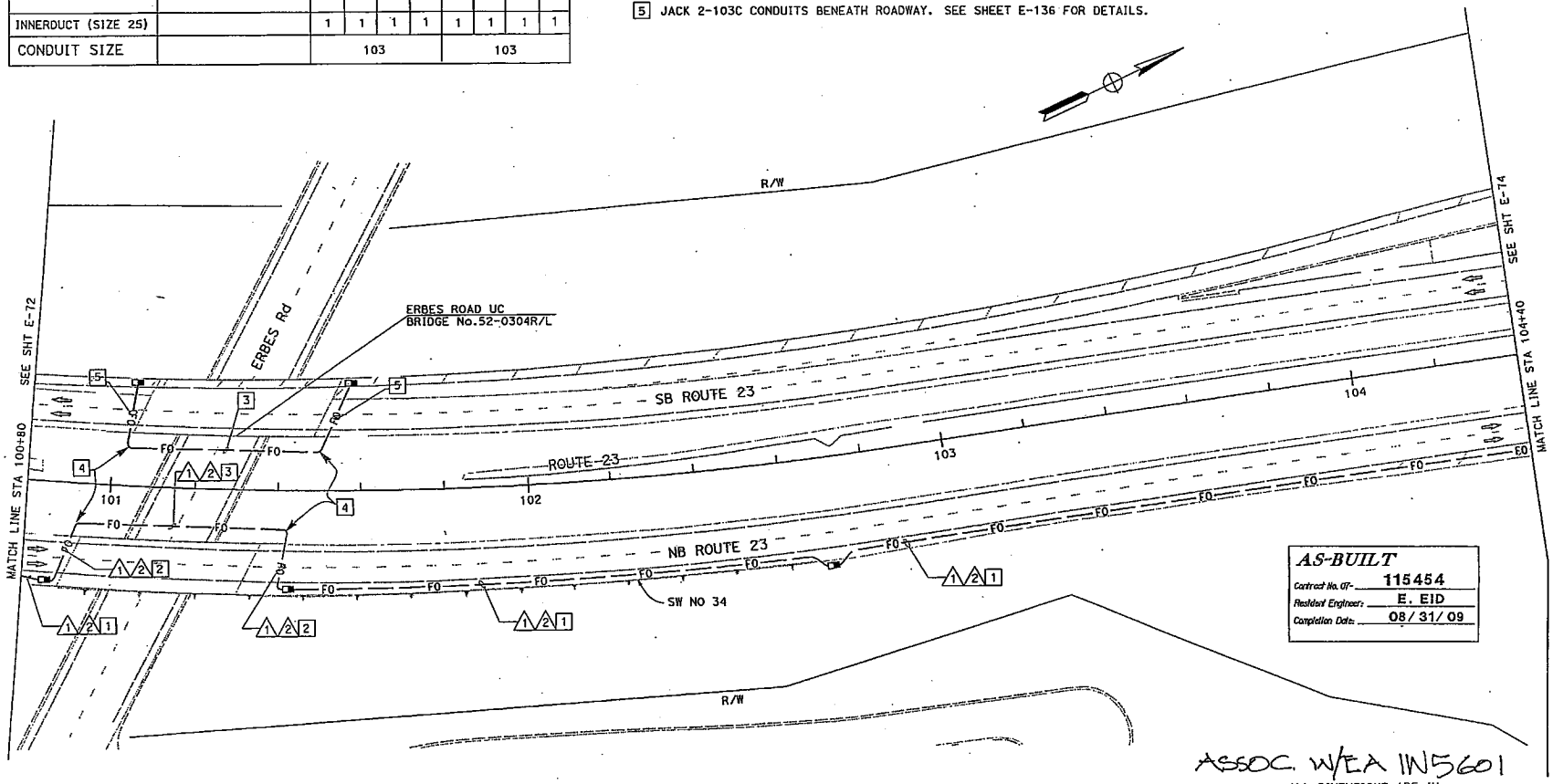
CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

CONDUIT/ CONDUCTOR	FUNCTION	RUN 1				RUN 2			
72SMFO CABLE	DATA	1							
72SMFO CABLE	VIDEO / DISTRIBUTION		1						
48SMFO CABLE	TRUNK LINE			1					
INNERDUCT (SIZE 25)		1	1	1	1	1	1	1	1
CONDUIT SIZE		103				103			

PROJECT NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUITS IN ASPHALT. SEE SHEET E-127 FOR DETAILS.
2. JACK CONDUITS BENEATH ROADWAY. SEE SHEET E-136 FOR DETAILS.
3. INSTALL 2-103C INSIDE NEW BRIDGE GIRDER(NB AND SB). SEE STRUCTURAL PLANS FOR DETAILS.
4. FOR UNDERGROUND TRANSITION FROM BRIDGE GIRDER TO JACKED CONDUIT SEE DETAIL A ON SHEET E-130. MAINTAIN 1.3 m MINIMUM BENDING RADIUS.
5. JACK 2-103C CONDUITS BENEATH ROADWAY. SEE SHEET E-136 FOR DETAILS.



AS-BUILT
Contract No. 07- 115454
Resident Engineer: E. EID
Completion Date: 08/31/09

ASSOC. W/EA 1N5601

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

COMMUNICATION SYSTEM ROUTING

SCALE 1:500

SHT. 7 of 11

E-73

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.
FOR LEGEND AND GENERAL NOTES AND SEE SHEETS E-51 AND E-52.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ITS DEVELOPMENT

PROJECT ENGINEER: HOSAKERE K. ANANTH
CALCULATED/DESIGNED BY: HKA
CHECKED BY: JT
DATE REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 22-APR-2010
TIME PLOTTED => 09:59

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80
USERNAME => S110796
CU 07388
EA 115451

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	Ven	23	R5.6/R18.5	588	849

Jacqueline C. Tan 7-14-03
REGISTERED ELECTRICAL ENGINEER

8-22-05
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER JACQUELINE C. TAN No. E015611 Exp. 12/31/05 ELECTRICAL STATE OF CALIFORNIA

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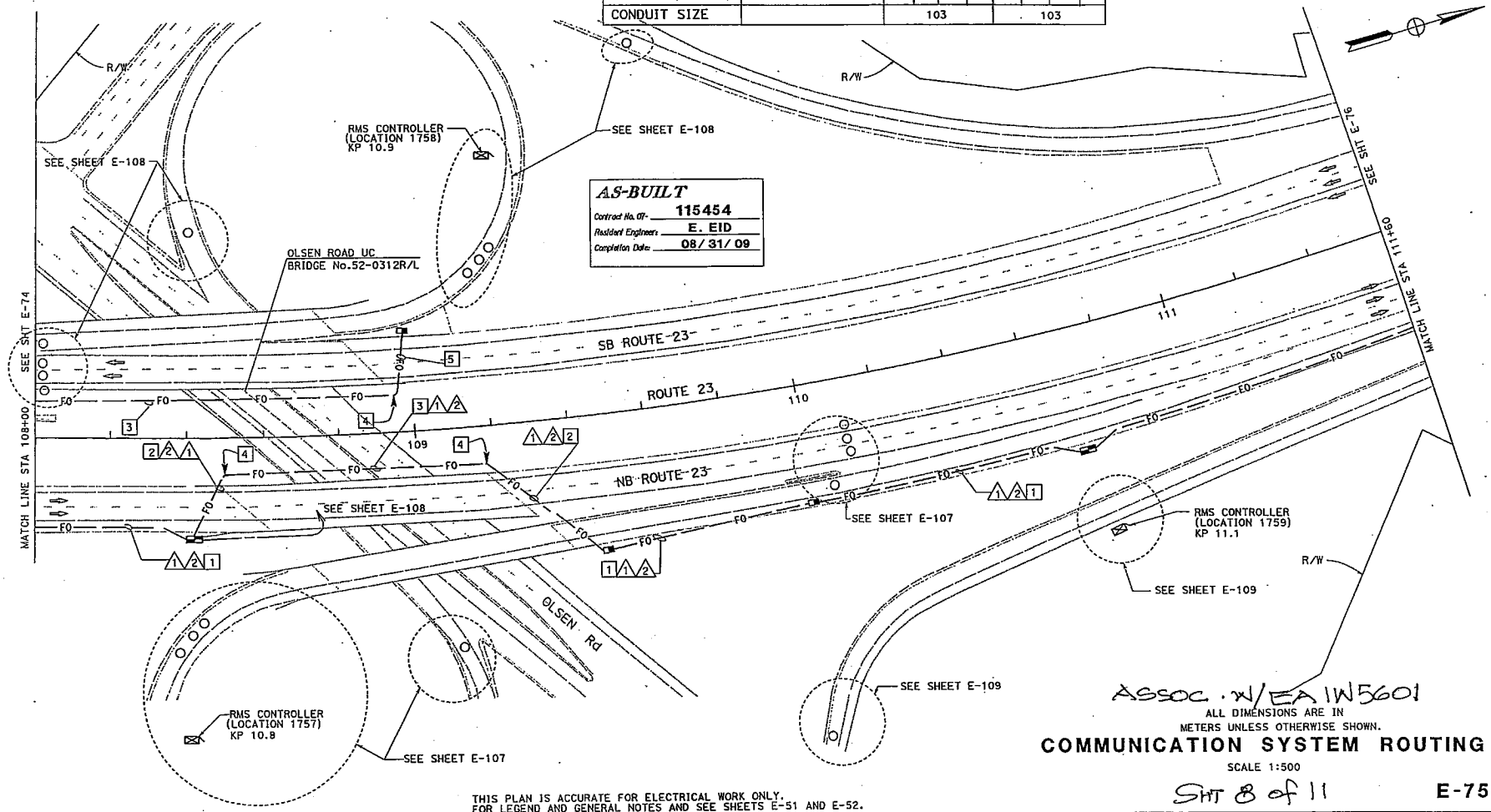
Caltrans Metric

PROJECT NOTES; (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUITS IN ASPHALT. SEE SHEET E-127 FOR DETAILS.
2. JACK CONDUITS BENEATH ROADWAY. SEE SHEET E-136 FOR DETAILS.
3. INSTALL 2-103C CONDUITS IN BRIDGE STRUCTURE(NB AND SB). SEE STRUCTURAL PLANS FOR DETAILS.
4. FOR UNDERGROUND TRANSITION FROM BRIDGE GIRDER TO JACKED CONDUIT SEE DETAIL A ON SHEET E-130. MAINTAIN 1.3 m MINIMUM BENDING RADIUS.
5. JACK 2-103C CONDUITS BENEATH ROADWAY. SEE SHEET E-136 FOR DETAILS.

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

CONDUIT/ CONDUCTOR	FUNCTION	RUN 1				RUN 2			
72SMFO CABLE	DATA	1							
72SMFO CABLE	VIDEO / DISTRIBUTION		1						
48SMFO CABLE	TRUNK LINE			1					
INNERDUCT (SIZE 25)		1	1	1	1	1	1	1	1
CONDUIT SIZE		103				103			



AS-BUILT
Contract No. 07- 115454
Resident Engineer: E. EID
Completion Date: 08/31/09

ASSOC. W/EA 1W5601

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

COMMUNICATION SYSTEM ROUTING

SCALE 1:500

SHT 8 of 11

E-75

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.
FOR LEGEND AND GENERAL NOTES AND SEE SHEETS E-51 AND E-52.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ITS DEVELOPMENT
PROJECT ENGINEER: HOSAKERE K. ANANTH
CALCULATED/DESIGNED BY: HKA
CHECKED BY: JT
DATE REVISED BY
DATE REVISED

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80
USERNAME => S110756
CU 07388
EA 115451
LAST REVISION 00-00-00
DATE PLOTTED => 22-APR-2010
TIME PLOTTED => 15:00

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	Ven	23	R5.6/R18.5	597	849

Caltrans Metric

Jacqueline C. Tan 7-14-03
REGISTERED ELECTRICAL ENGINEER

8-22-05
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER JACQUELINE C. TAN No. E015611 Exp. 12/31/05 ELECTRICAL STATE OF CALIFORNIA

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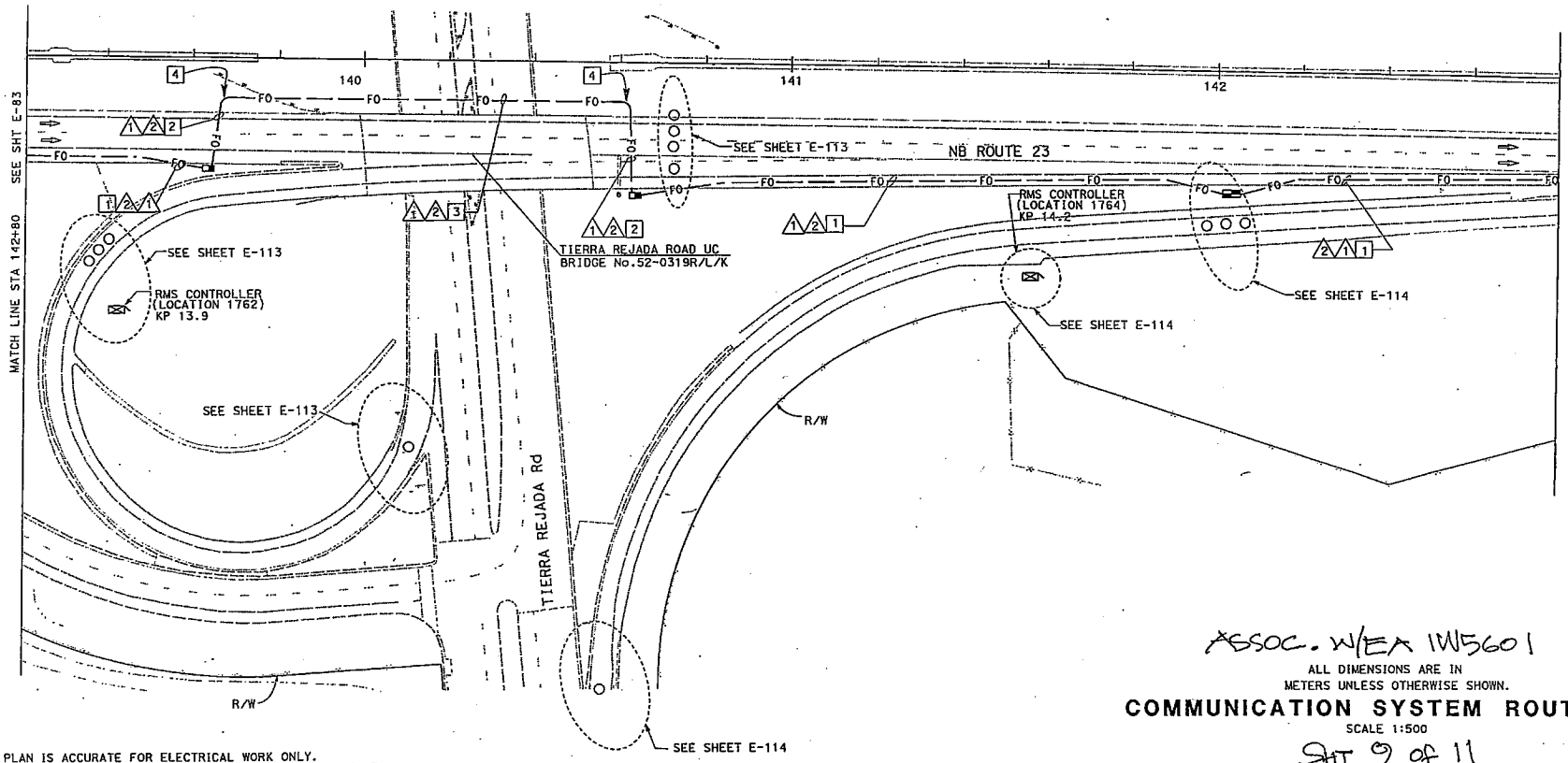
AS-BUILT
Contract No. 07- 115454
Resident Engineer: E. EID
Completion Date: 08/31/09

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

CONDUIT/ CONDUCTOR	FUNCTION	RUN 1				RUN 2			
72SMFO CABLE	DATA	1							
72SMFO CABLE	VIDEO / DISTRIBUTION		1						
48SMFO CABLE	TRUNK LINE			1					
INNERDUCT (SIZE 25)		1	1	1	1	1	1	1	1
CONDUIT SIZE		103				103			

PROJECT NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUITS IN ASPHALT. SEE SHEET E-127 FOR DETAILS.
2. JACK TYPE 1 CONDUITS BENEATH ROADWAY. SEE SHEET E-136 FOR DETAILS.
3. INSTALL 2-103C INSIDE NEW BRIDGE GIRDER(NB AND SB). SEE STRUCTURAL PLANS FOR DETAILS.
4. FOR UNDERGROUND TRANSITION FROM BRIDGE GIRDER TO JACKED CONDUIT SEE DETAIL A ON SHEET E-130. MAINTAIN 1.3 m MINIMUM BENDING RADIUS.



ASSOC. W/EA 1W5601

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

COMMUNICATION SYSTEM ROUTING

SCALE 1:500

SHT 9 of 11

E-84

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.
FOR LEGEND AND GENERAL NOTES AND SEE SHEETS E-51 AND E-52.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ITS DEVELOPMENT

PROJECT ENGINEER: HOSAKERE K. ANANTH
CALCULATED/DESIGNED BY: HKA
CHECKED BY: JT
DATE REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 22-APR-2010
TIME PLOTTED => 10:02

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80 USERNAME => S110796

PROJECT NOTES: (THIS SHEET ONLY)

1. INSTALL 2-103C INSIDE NEW BRIDGE GIRDER. SEE STRUCTURAL PLANS FOR DETAILS.
2. JACK 2-103C TYPE 1 CONDUITS BENEATH THE ROADWAY. SEE SHEET E-136 FOR DETAILS.
3. FOR UNDERGROUND TRANSITION FROM BRIDGE GIRDER TO JACKED CONDUIT SEE DETAIL A ON SHEET E-130. MAINTAIN 1.3 m MINIMUM BENDING RADIUS.

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	Ven	23	R5.6/R18.5	598	849

Caltrans Metric

Jacqueline C. Tan 7-14-03
REGISTERED ELECTRICAL ENGINEER

8-22-05
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER JACQUELINE C. TAN No. E015611 Exp. 12/31/05 ELECTRICAL STATE OF CALIFORNIA

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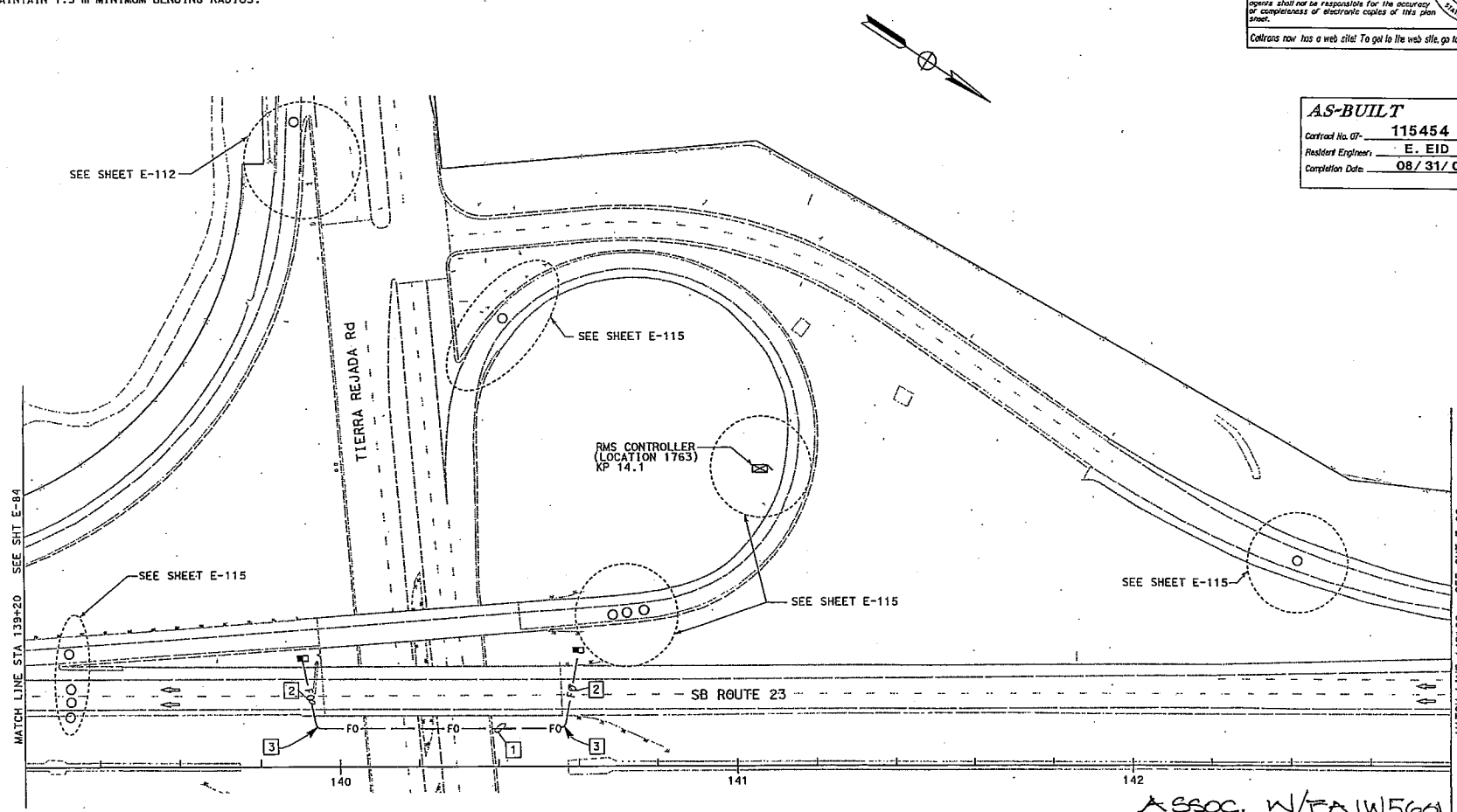
AS-BUILT
Contract No. 07- 115454
Resident Engineer: E. EID
Completion Date: 08/31/09



ASSOC. W/EA1W5601

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

COMMUNICATION SYSTEM ROUTING

SCALE 1:500

SHT. 10 of 11

E-85

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.
FOR LEGEND AND GENERAL NOTES AND SEE SHEETS E-51 AND E-52.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ITS DEVELOPMENT

PROJECT ENGINEER: HOSAKERE K. ANANTH
CALCULATED/DESIGNED BY: HKA
CHECKED BY: JT
DATE REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 22-APR-2010
TIME PLOTTED => 10:02

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80 USERNAME => S110796

CU 07388 EA 115451

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	Ven	23	R5.6/R18.5	603	849

REGISTERED ELECTRICAL ENGINEER 7-14-03

8-22-05
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER JACQUELINE C. TAN No. E015611 Exp. 12/31/05 ELECTRICAL STATE OF CALIFORNIA

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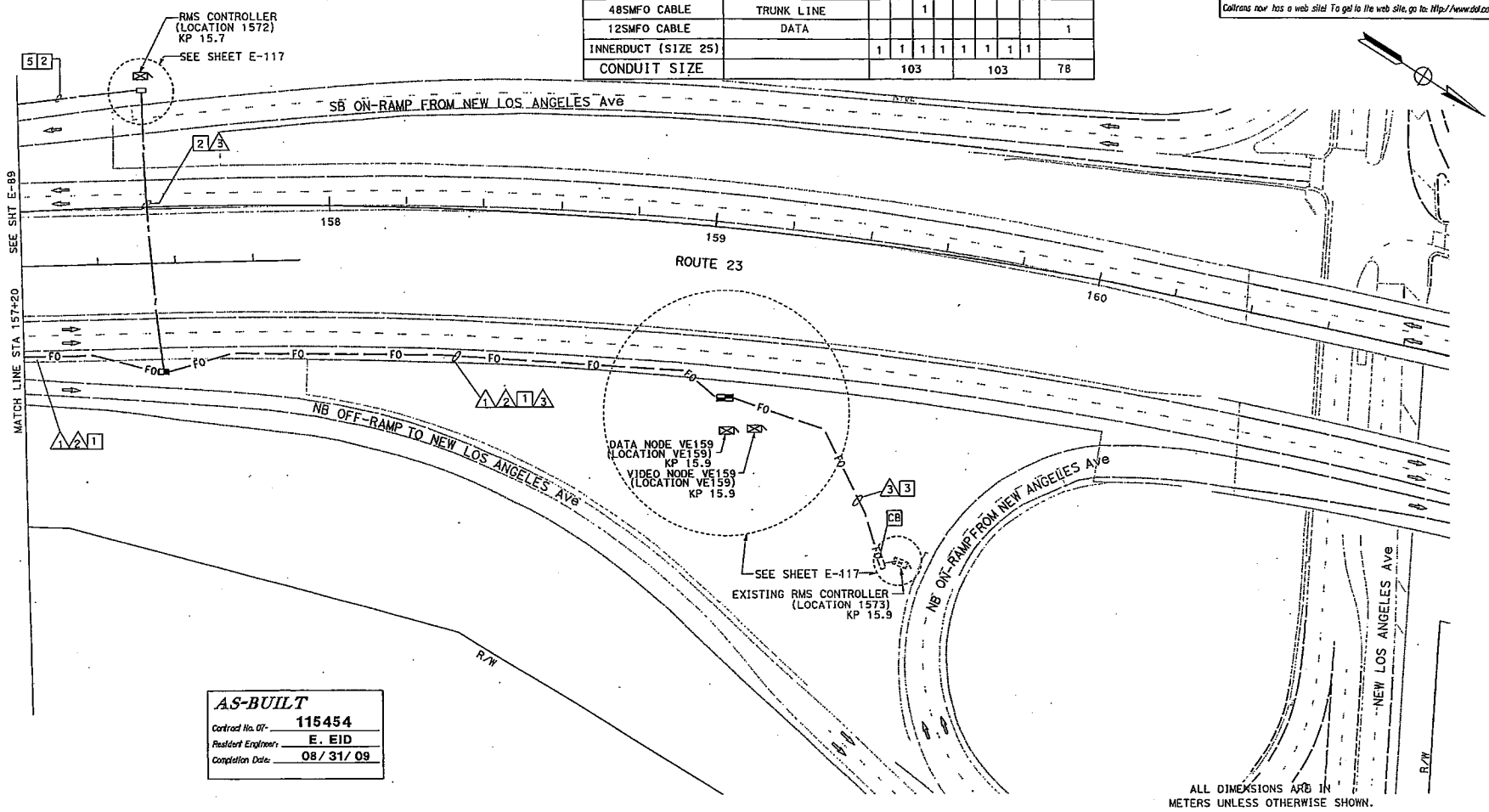
Caltrans Metric

PROJECT NOTES: (THIS SHEET ONLY)

1. TRENCH AND INSTALL CONDUIT(S) IN ASPHALT. SEE SHEET E-127 FOR DETAILS.
2. JACK CONDUIT(S) UNDER ROADWAY. SEE SHEET E-136 FOR DETAILS.
3. TRENCH CONDUIT IN SOIL. SEE SHEET E-126 FOR DETAILS.
4. INSTALL 53C. INSTALL 1 DLC.
5. WORK INCLUDED IN ITEM FOR RMS (LOCATION 1572). SEE SHEET E-117.

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)

CONDUIT/ CONDUCTOR	FUNCTION	RUN 1				RUN 2				RUN 3
72SMFO CABLE	DATA	1								
72SMFO CABLE	VIDEO / DISTRIBUTION		1							
48SMFO CABLE	TRUNK LINE			1						
12SMFO CABLE	DATA									1
INNERDUCT (SIZE 25)		1	1	1	1	1	1	1	1	
CONDUIT SIZE		103				103				78



AS-BUILT
Contract No. 07- 115454
Resident Engineer: E. EID
Completion Date: 08/31/09

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.
FOR LEGEND AND GENERAL NOTES AND SEE SHEETS E-51 AND E-52.

COMMUNICATION SYSTEM ROUTING

SCALE 1:500

ASSOC. W/ EA 1W5601 / SHT 11 OF 11

E-90

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ITS DEVELOPMENT

PROJECT ENGINEER: HOSAKERE K. ANANTH
CALCULATED/DESIGNED BY: HKA
CHECKED BY: JT
REVISED BY / DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 22-APR-2010
TIME PLOTTED => 16:04

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80
USERNAME => S110796
CU 07388
EA 115451