Final Design Concept Report
(Volume 3 of 3, Appendix H)

PIMA FREEWAY (SR 101L), INTERSTATE 17 (I-17) TO PRINCESS DRIVE GENERAL-PURPOSE LANES

ADOT CONTRACT NO. 2005-026
PROJECT NO. 101L MA 23.4 H8297 01L
FEDERAL AID NO. NH-101-B(BEM)

Prepared For:

Arizona Department of Transportation

Prepared By:

AECOM

7720 N. 16th Street, Suite 100
Phoenix, Arizona 85020

ON THE MOVE
PARTNERS IN PROGRESS

APRIL 2016

APPENDIX H

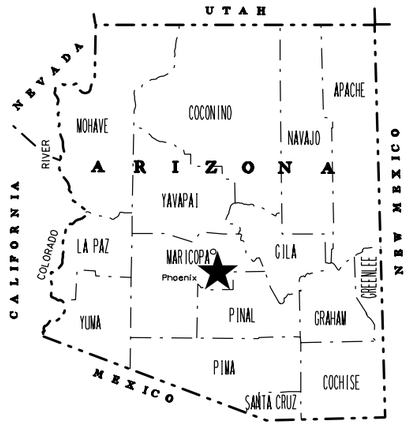
PREFERRED ALTERNATIVE PLANS

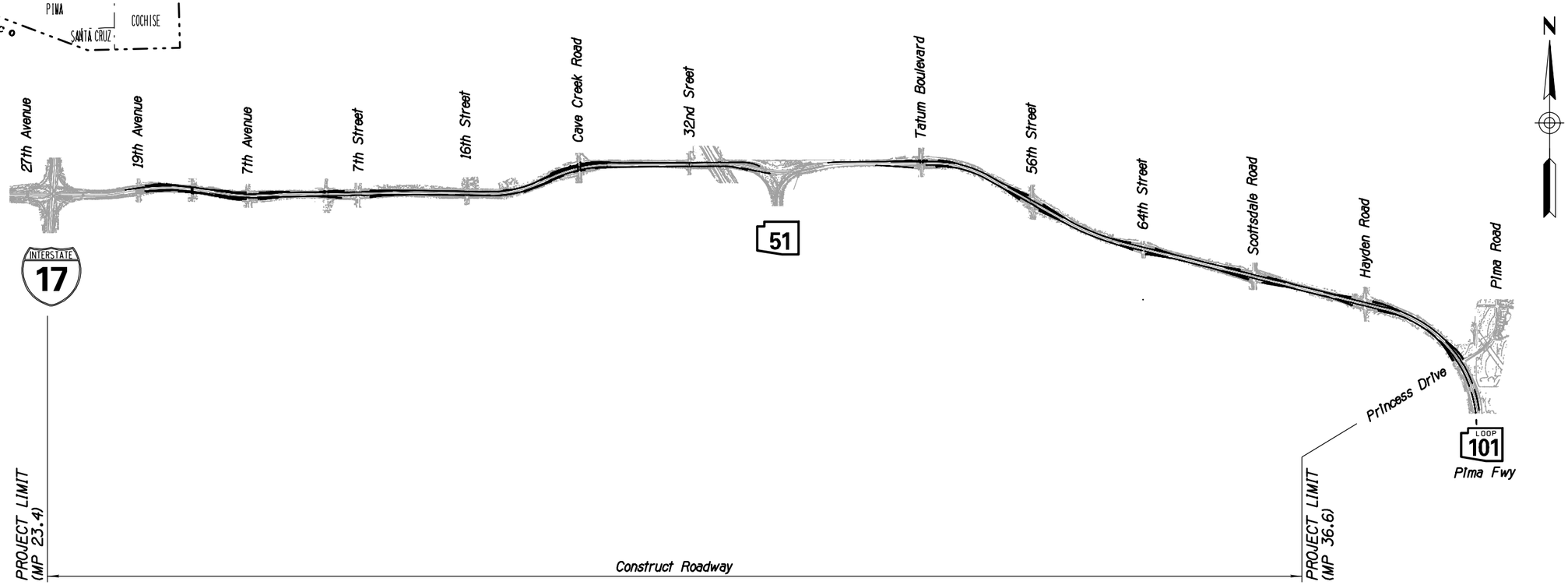
STATE OF ARIZONA
DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION

ADOT

PROJECT PLANS

STATE HIGHWAY
SR 101L, PIMA FREEWAY





APPENDIX H
FINAL DCR
PREFERRED ALTERNATIVE

ADOT CONTRACT NO. 2005–026
I-17 – PRINCESS DRIVE
101L MA 23 H8297 01L

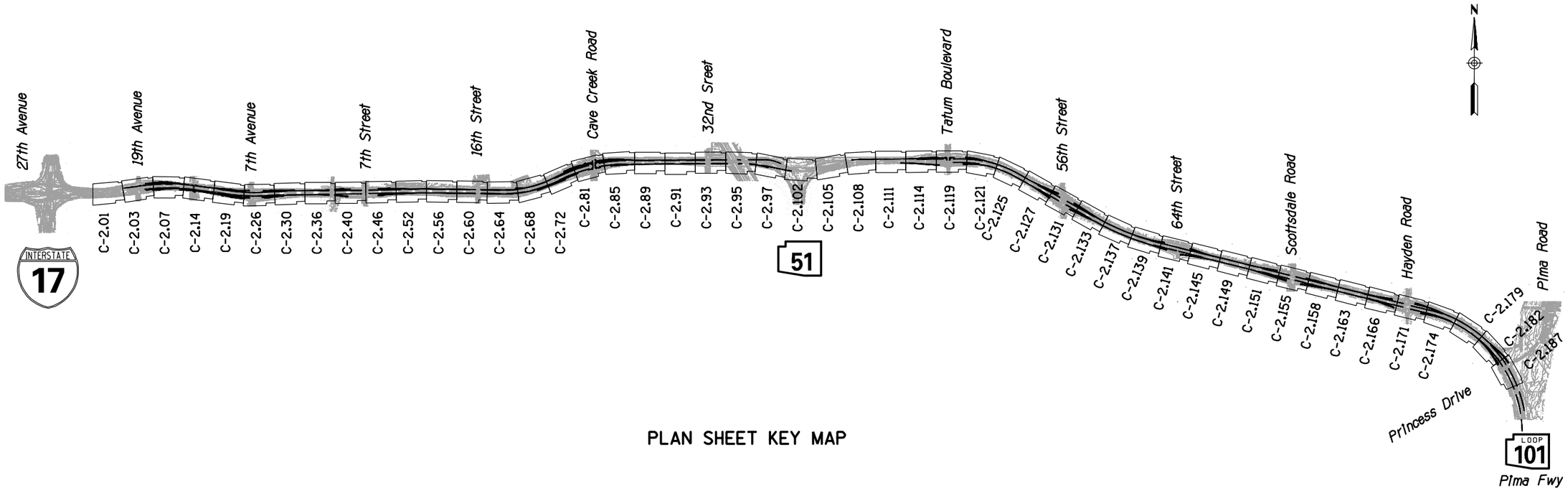
ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
DALLAS HAMMIT, P.E., STATE ENGINEER

REC. DWGS. DATA	REC. DWG. DATE	OF

4/25/2016 U:\PIMA03\Prod\civ\h8297fs.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



PLAN SHEET KEY MAP

INDEX OF SHEETS

SHEET NO.	DWG NO.	SHEET TYPE
		GENERAL
1		Face Sheet
2	G-1.01	Index and Key Map
3 - 24	G-3.01 - G-3.22	Typical Sections
		CIVIL
25 - 41	C-1.01 - C-1.18	Geometric Data Sheets
42 - 230	C-2.01 - C-2.189	SR101L Plan and Profile Sheets
		TRAFFIC
231 - 279	T-1.01 - T-1.49	Pavement Marking and Signing Sheets
280 - 328	T-2.01 - T-2.49	Lighting and FMS Sheets

APPENDIX H

	NAME	DATE
DESIGN	CJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

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INDEX OF DRAWINGS

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. G-1.01

TRACS NO. H8297 01L

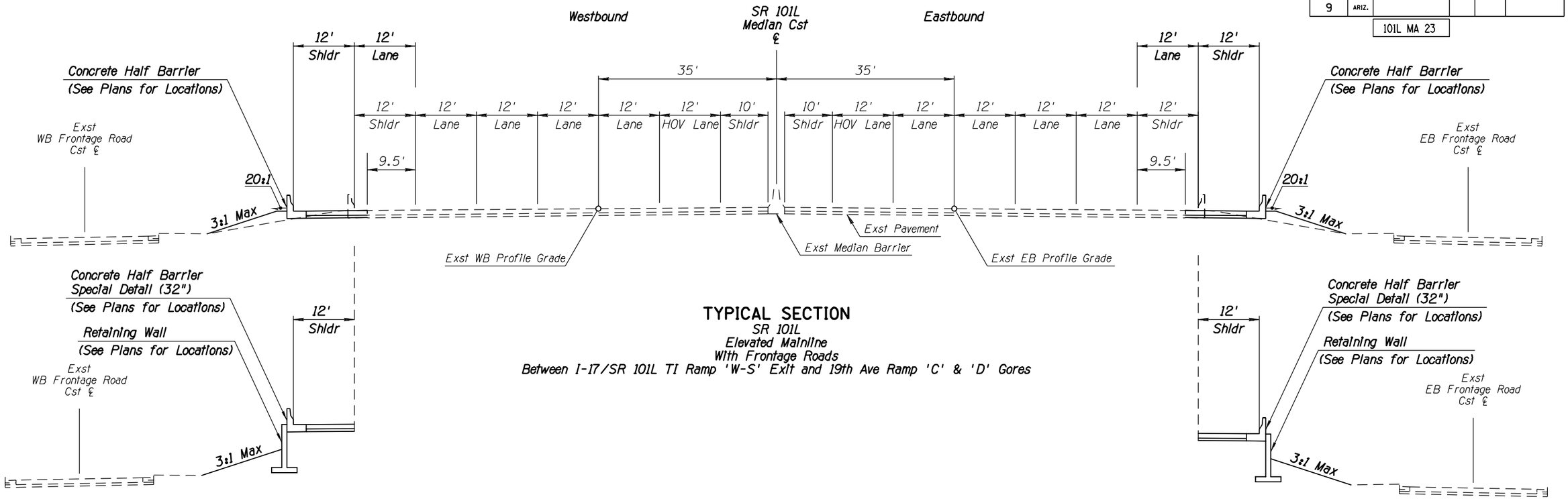
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297ds01.dgn

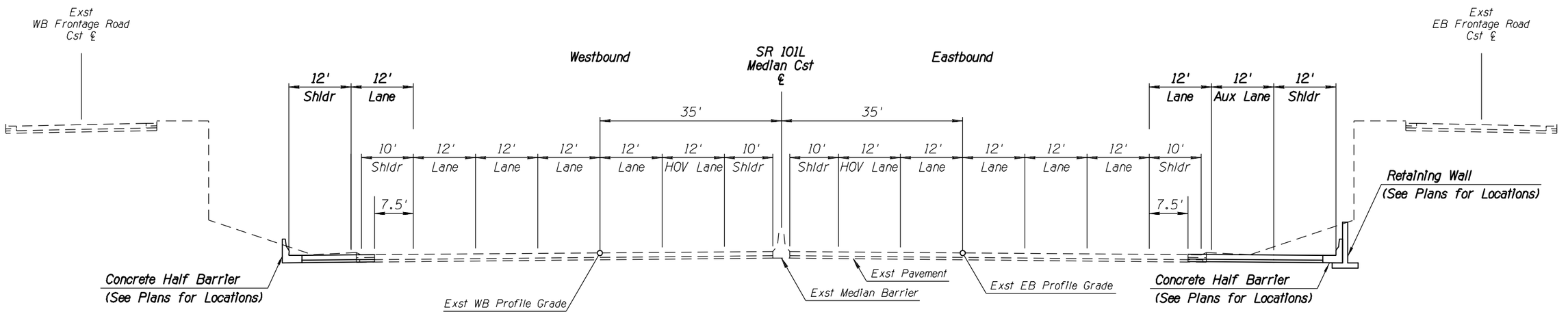
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



TYPICAL SECTION
SR 101L
Elevated Mainline
With Frontage Roads
Between I-17/SR 101L TI Ramp 'W-S' Exit and 19th Ave Ramp 'C' & 'D' Gores



TYPICAL SECTION
SR 101L
Depressed Mainline
With Frontage Roads
Between 19th Ave Ramp 'C' & 'D' Gores and 7th Ave Ramp 'A' & 'B' Gores
No Frontage Road Reconstruction

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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ROADWAY DESIGN SERVICES

DESIGN SHEET
SR 101L
TYPICAL MAINLINE SECTIONS

DCR
NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. G-3.01
TRACS NO. H8297 01L
___ OF ___

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.

4/25/2016 U:\PIMA03\Prod\civ\h8297tyl.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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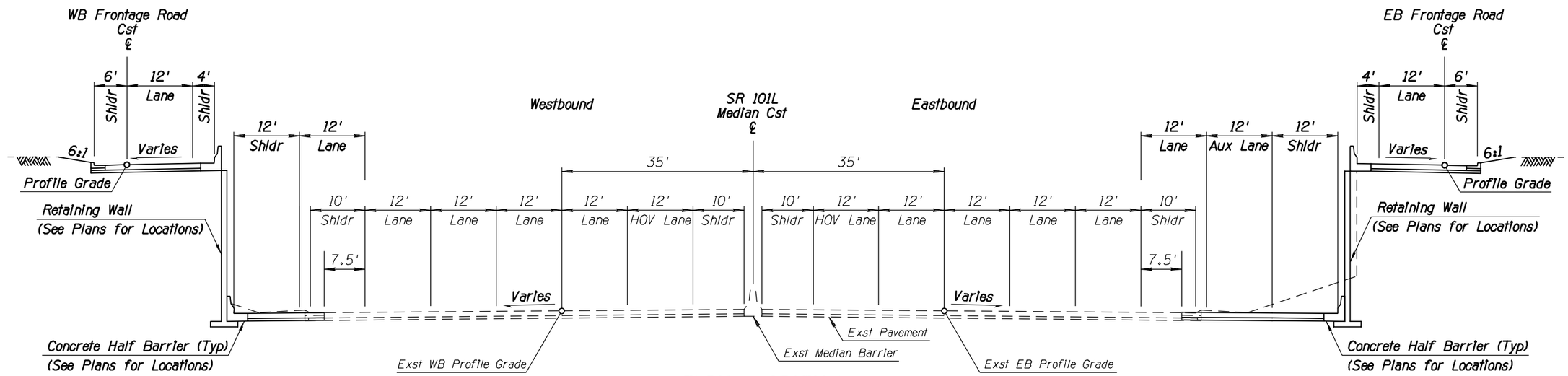
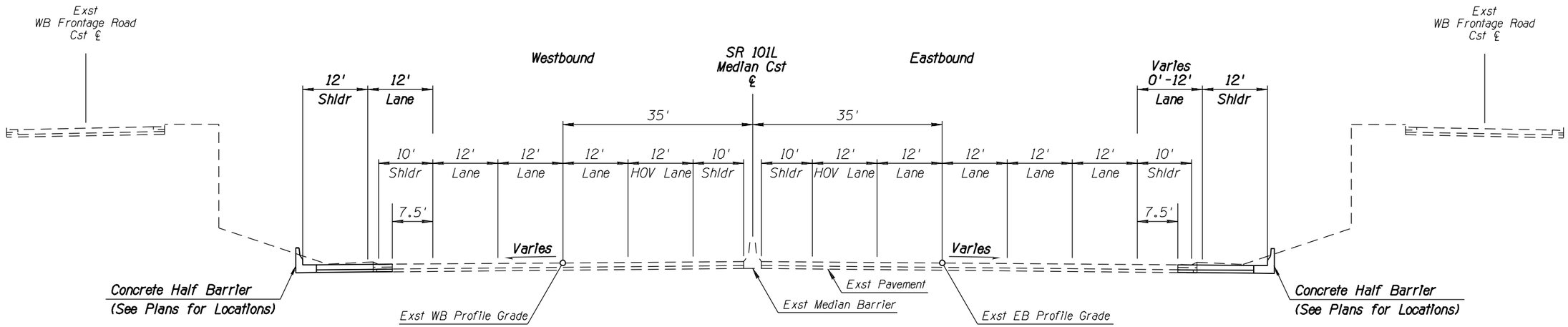
101L MA 23



TYPICAL SECTION

SR 101L
Depressed Mainline
With Frontage Roads
Between 19th Ave Ramp 'C' & 'D' Gores and 7th Ave Ramp 'A' & 'B' Gores
Frontage Road Reconstruction



TYPICAL SECTION

SR 101L
Depressed Mainline
With Frontage Roads
Between 7th Ave Ramp 'A' & 'B' Gores and 7th Ave Ramp 'C' & 'D' Gores
No Frontage Road Reconstruction

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
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DESIGN SHEET
SR 101L
TYPICAL MAINLINE SECTIONS

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. G-3.02

TRACS NO. H8297 01L

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SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

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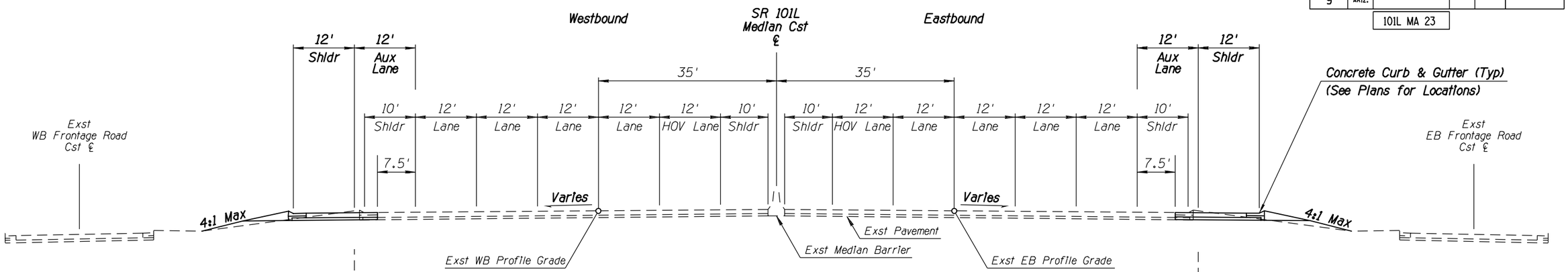

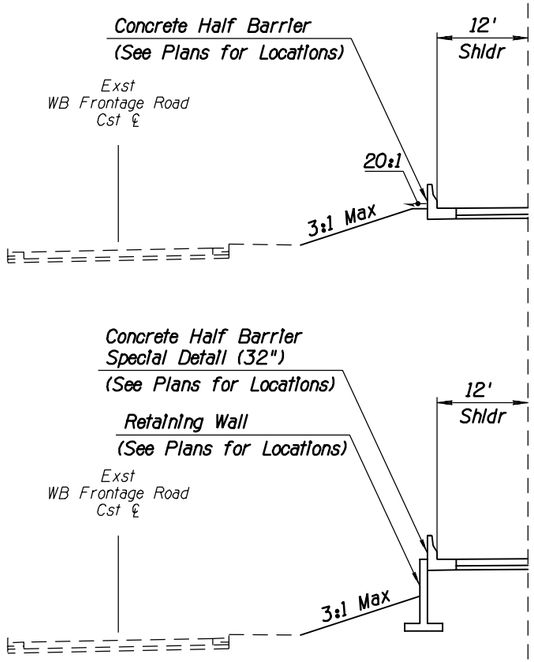

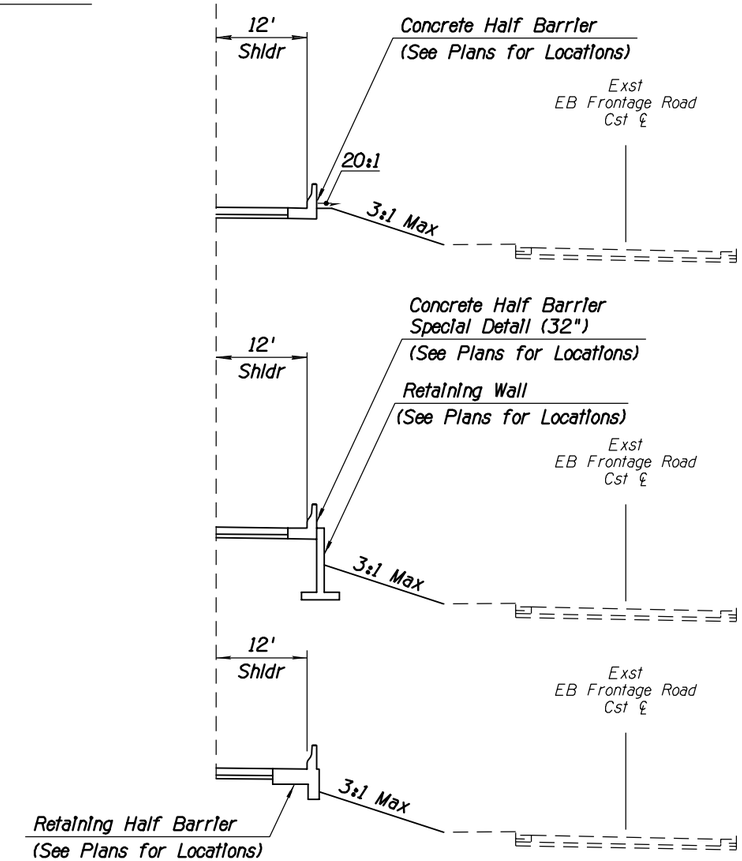

TYPICAL SECTION

SR 101L
Depressed Mainline
With Frontage Roads
Between 7th Ave Ramp 'C' & 'D' Gores and Station 1389+10.00

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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DESIGN SHEET
SR 101L
TYPICAL MAINLINE SECTIONS

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. G-3.03

TRACS NO. H8297 01L

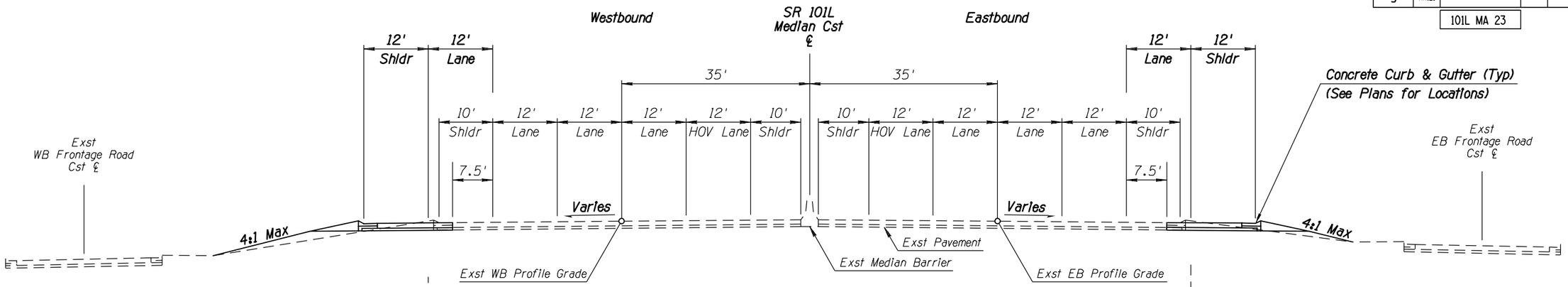
___ OF ___

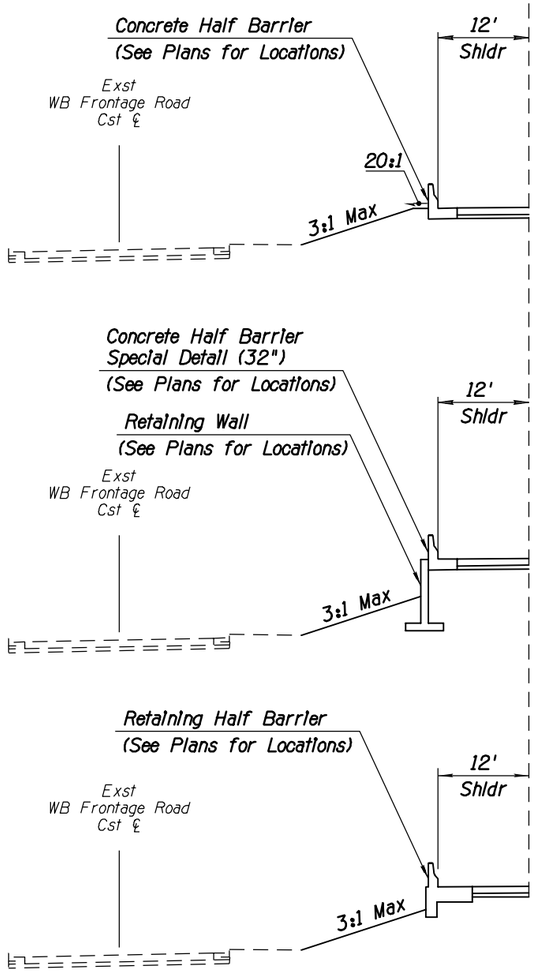
DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.

4/25/2016 U:\PIMA03\Prod\civ\h8297ty3.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

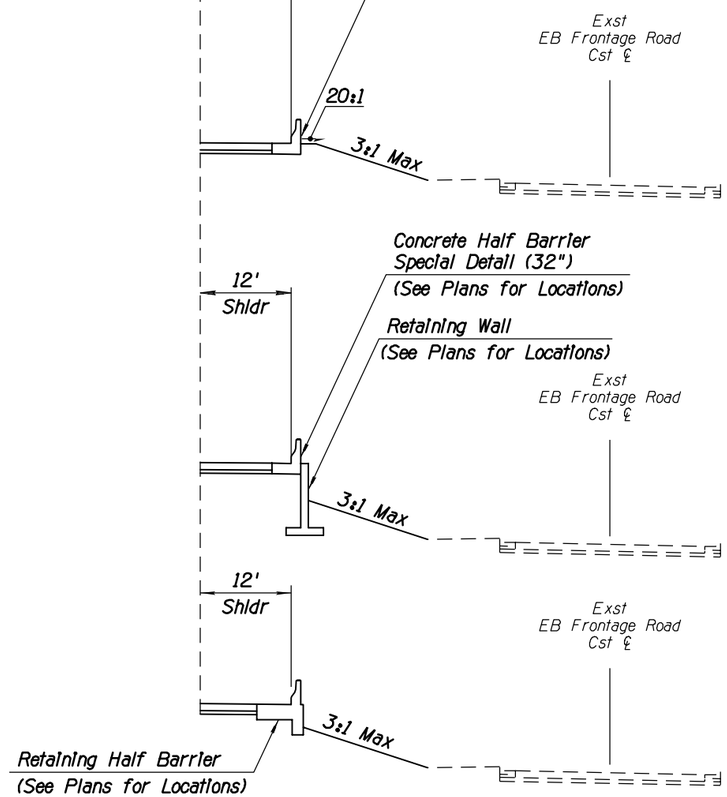
101L MA 23





TYPICAL SECTION

SR 101L
Elevated Mainline
With Frontage Roads
Between Station 1405+25.00 and 7th St Ramp 'C' & 'D' Gores
Between Cave Creek Rd Ramp 'A' & 'B' Gores and Cave Creek Rd



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
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DESIGN SHEET
SR 101L
TYPICAL MAINLINE SECTIONS

DCR

NOT FOR CONSTRUCTION OR RECORDING

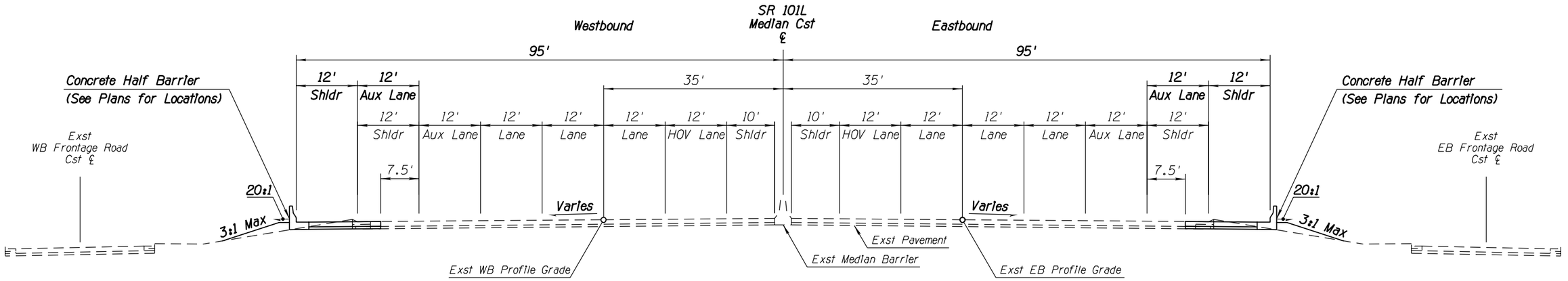
ROUTE	LOCATION	DWG NO. G-3.04
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297ty4.dgn

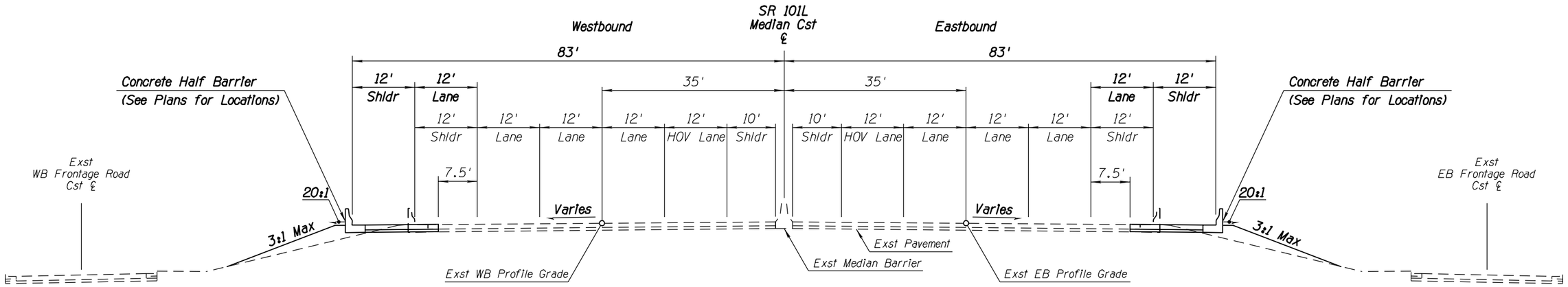
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



TYPICAL SECTION

SR 101L
Elevated Mainline
With Frontage Roads
Between Station 1393+00.00 and the Cave Creek Wash Bridge



TYPICAL SECTION

SR 101L
Elevated Mainline
With Frontage Roads
Between the Cave Creek Wash Bridge and Station 1402+00.00

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
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DESIGN SHEET
SR 101L
TYPICAL MAINLINE SECTIONS

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. G-3.05

TRACS NO. H8297 01L

___ OF ___

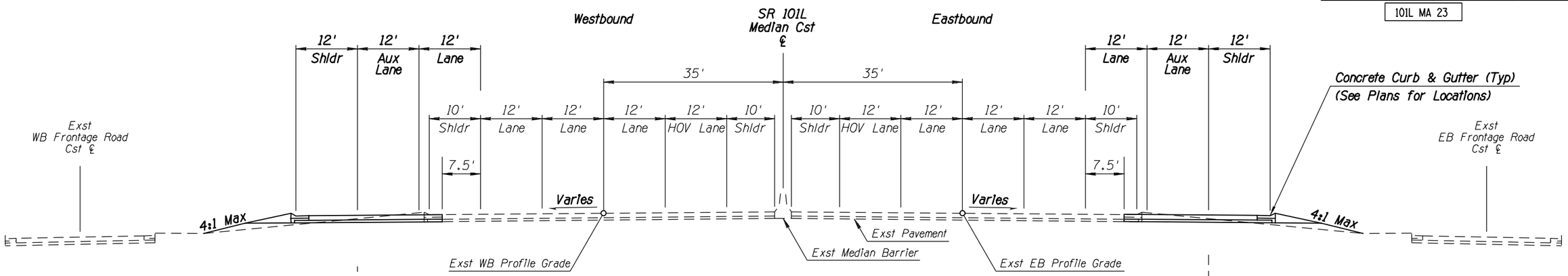
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

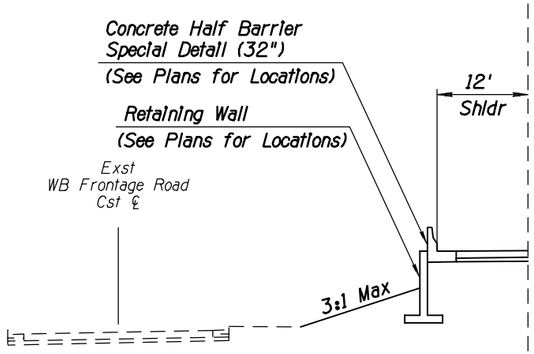
4/26/2016 U:\PIMA03\Prod\civ\h8297ty5.dgn

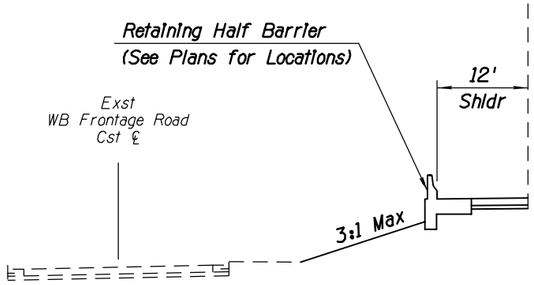
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.

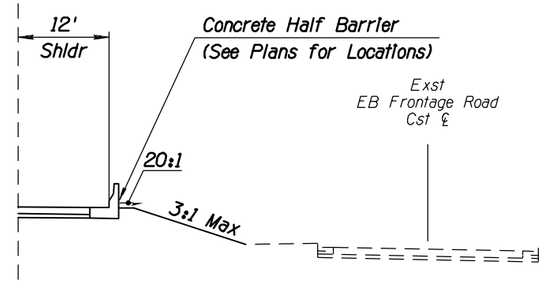


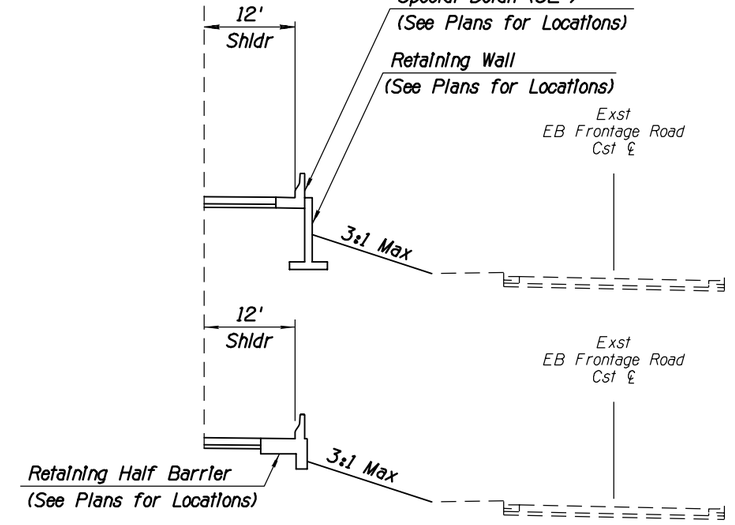




TYPICAL SECTION

SR 101L
Elevated Mainline
With Frontage Roads
Between 7th St Ramp 'C' & 'D' Gores and Cave Creek Rd Ramp 'A' & 'B' Gores





APPENDIX H

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DESIGN SHEET
SR 101L
TYPICAL MAINLINE SECTIONS

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	G-3.06
TRACS NO. H8297 01L		___ OF ___

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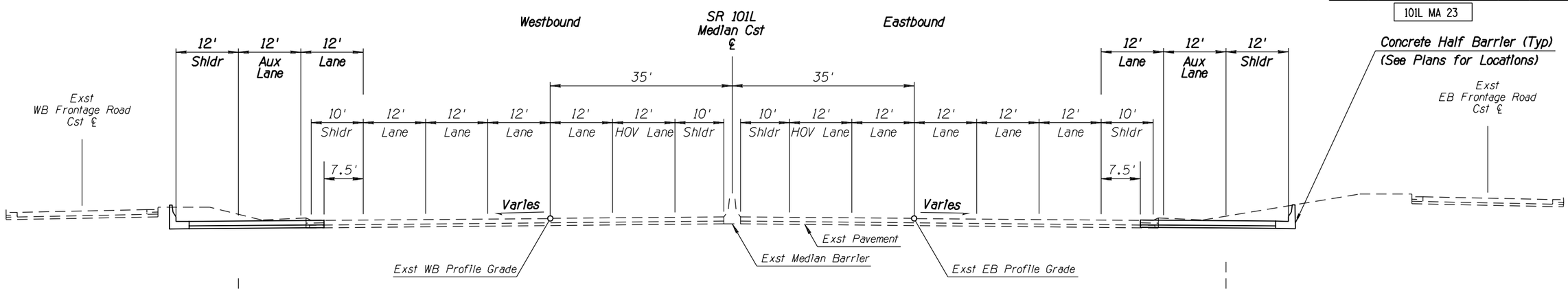

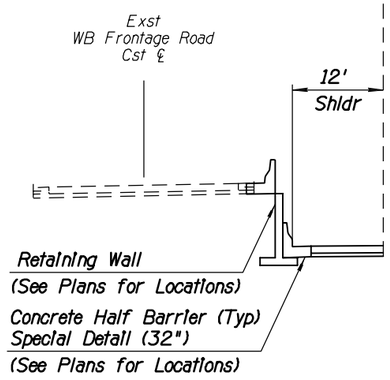

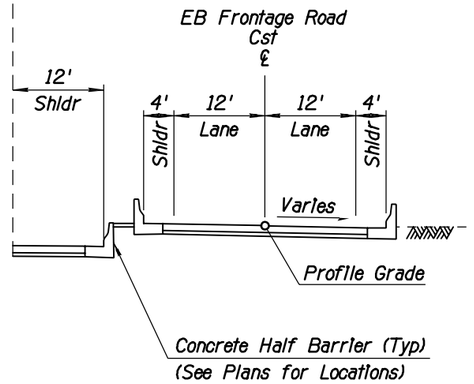

TYPICAL SECTION

SR 101L
Depressed Mainline
With Frontage Roads
Between 7th St Ramp 'C' & 'D' Gores and Cave Creek Rd Ramp 'A' & 'B' Gores

APPENDIX H

	NAME	DATE
DESIGN	CJJ	04-16
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ROADWAY DESIGN SERVICES

DESIGN SHEET
SR 101L
TYPICAL MAINLINE SECTIONS

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	G-3.07

TRACS NO. H8297 01L

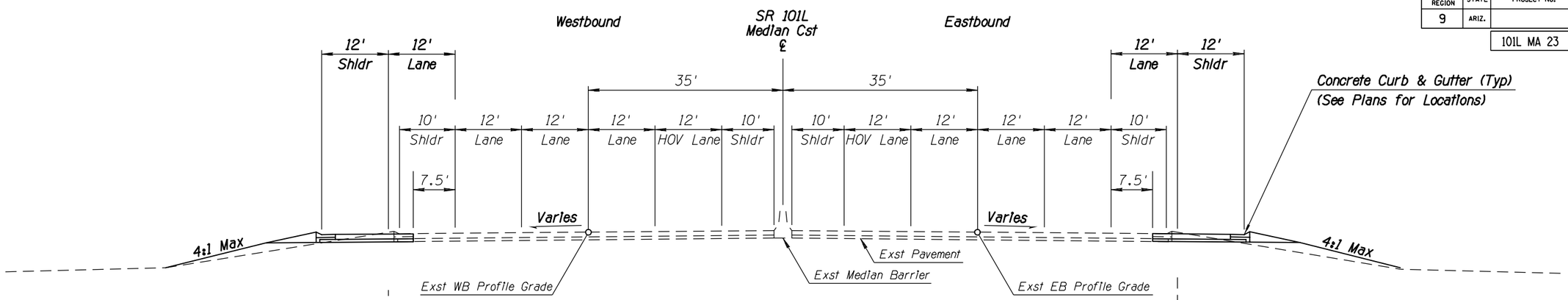
___ OF ___

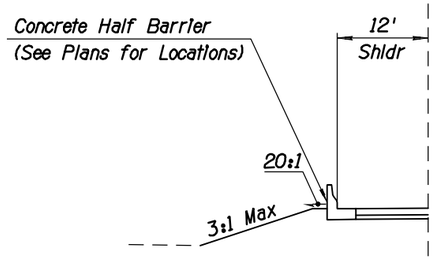
DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.

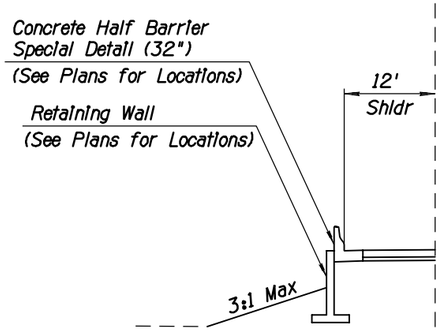
4/25/2016 U:\PIMA03\Prod\civ\h8297ty7.dgn

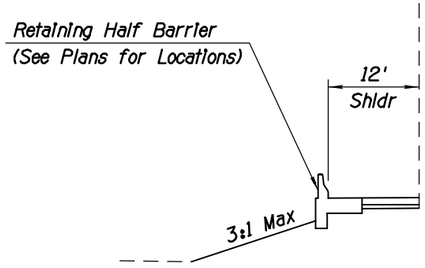
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



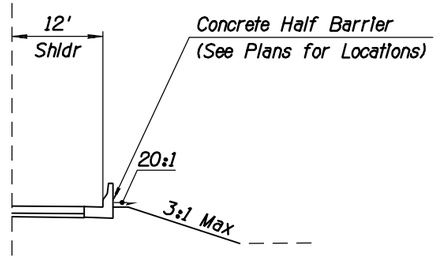


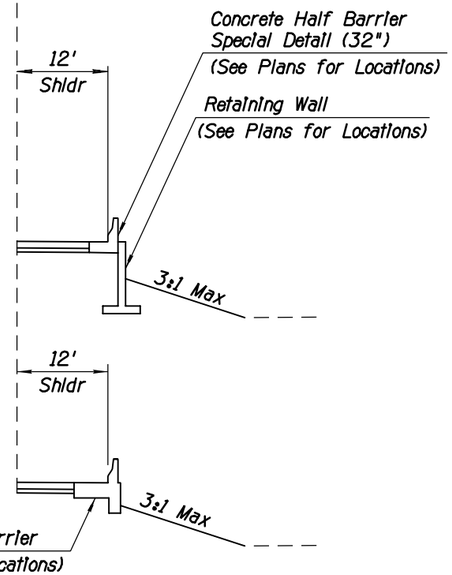




TYPICAL SECTION

SR 101L
Elevated Mainline
Between Cave Creek Rd and Cave Creek Rd Ramp 'C' & 'D' Gores
WB SR 101L Between Tatum Blvd Ramp 'A' Gore and Tatum Blvd Ramp 'C' Gore
EB SR 101L Between Station 1688+71.39 and Tatum Blvd Ramp 'D' Gore
Between 56th St Ramp 'A' & 'B' Gores and 56th St Ramp 'C' & 'D' Gores
Between 64th St Ramp 'A' & 'B' Gores and 64th St Ramp 'C' & 'D' Gores
Between Scottsdale Rd Ramp 'A' & 'B' Gores and Scottsdale Rd Ramp 'C' & 'D' Gores
Between Hayden Rd Ramp 'A' & 'B' Gores and Station 1915+00.00





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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

DESIGN SHEET
SR 101L
TYPICAL MAINLINE SECTIONS

DCR

NOT FOR CONSTRUCTION OR RECORDING

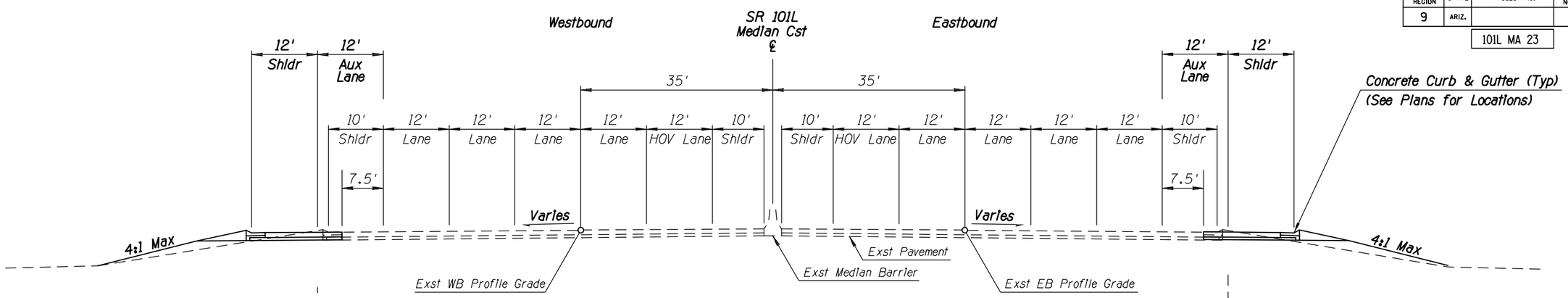
ROUTE	LOCATION	DWG NO. G-3.08
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

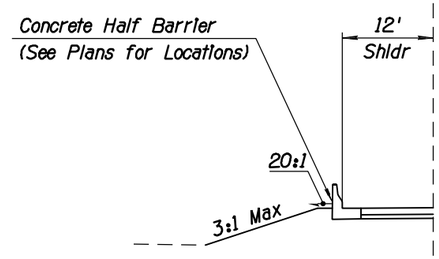
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

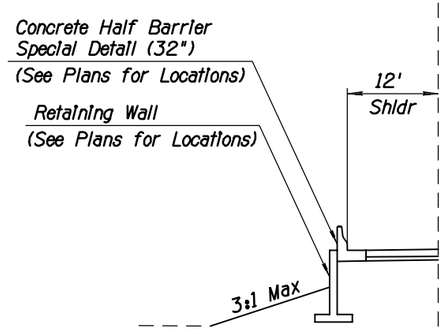
4/25/2016 U:\PIMA03\Prod\civ\h8297ty8.dgn

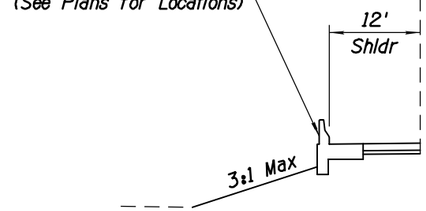
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



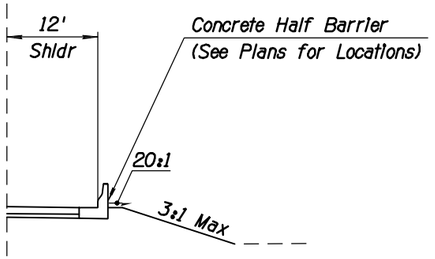


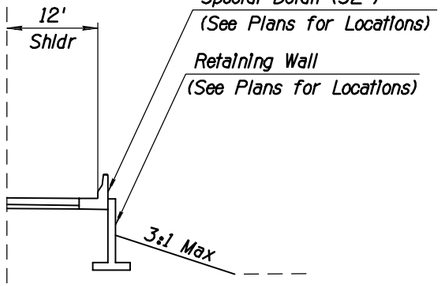


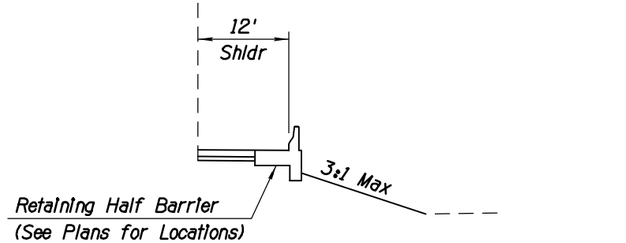


TYPICAL SECTION

SR 101L
Elevated Mainline
Between Cave Creek Rd Ramp 'C' & 'D' Gores and SR51/SR101L TI Ramps 'E-S' and 'N-W'
Between Tatum Blvd Ramp 'C' & 'D' Gores and 56th St Ramp 'A' & 'B' Gores
Between 56th St Ramp 'C' & 'D' Gores and 64th St Ramp 'A' & 'B' Gores
Between 64th St Ramp 'C' & 'D' Gores and Scottsdale Rd Ramp 'A' & 'B' Gores
Between Scottsdale Rd Ramp 'C' & 'D' Gores and Hayden Rd Ramp 'A' & 'B' Gores







APPENDIX H

	NAME	DATE
DESIGN	CJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ROADWAY DESIGN SERVICES

DESIGN SHEET
SR 101L
TYPICAL MAINLINE SECTIONS

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. G-3.09

TRACS NO. H8297 01L

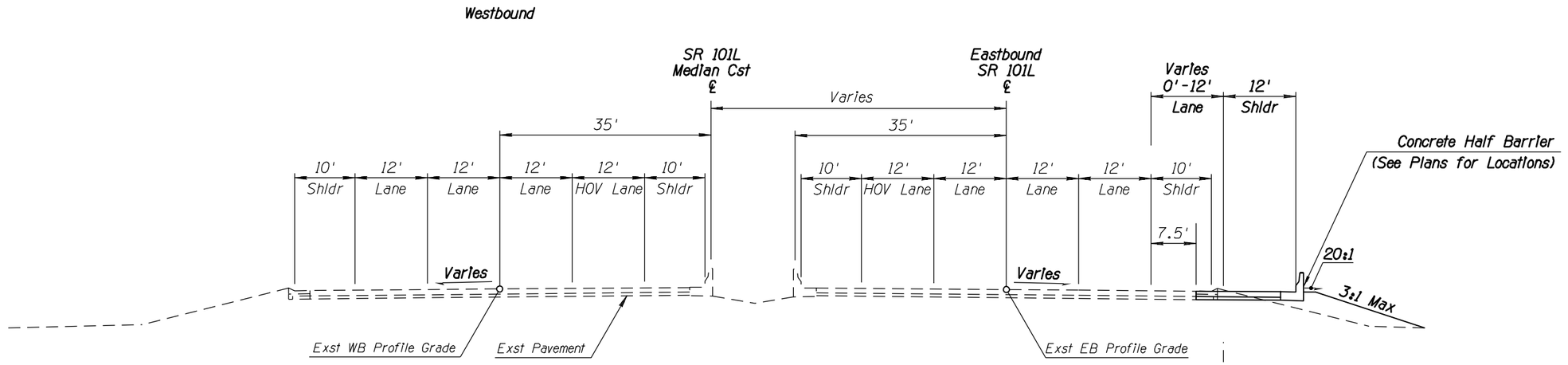
___ OF ___

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.

4/25/2016 U:\PIMA03\Prod\civ\h8297ty9.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

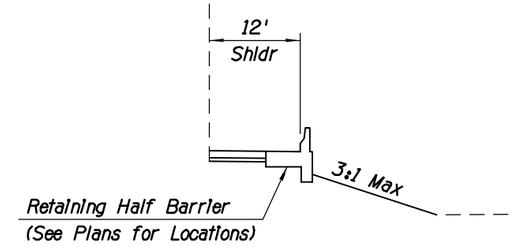
101L MA 23



TYPICAL SECTION

SR 101L

Eastbound SR101L Mainline
Between SR51/SR101L TI Ramp 'E-S' and EB SR 101L Station 1614+70.55



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ROADWAY DESIGN SERVICES

DESIGN SHEET
SR 101L
TYPICAL MAINLINE SECTIONS

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. G-3.10

TRACS NO. H8297 01L

___ OF ___

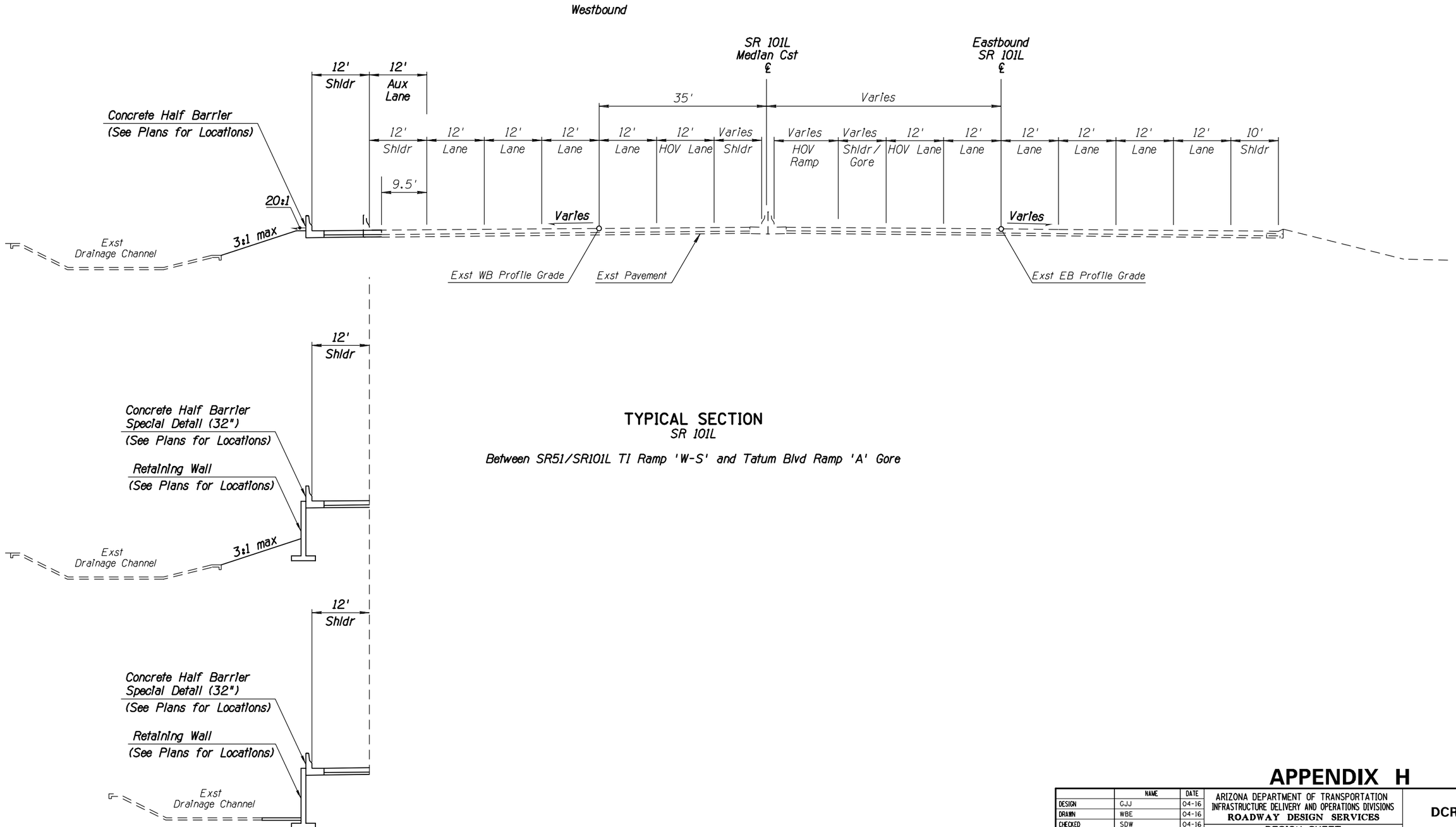
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297tg10.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-



TYPICAL SECTION

SR 101L

Between SR51/SR101L TI Ramp 'W-S' and Tatum Blvd Ramp 'A' Gore

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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ROADWAY DESIGN SERVICES

DESIGN SHEET
SR 101L
TYPICAL MAINLINE SECTIONS

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. G-3.11

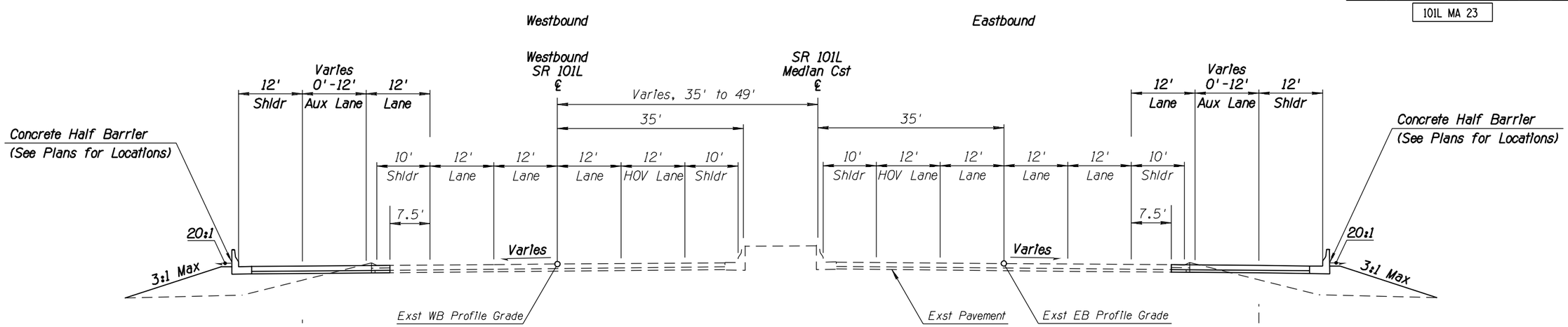
TRACS NO. H8297 01L

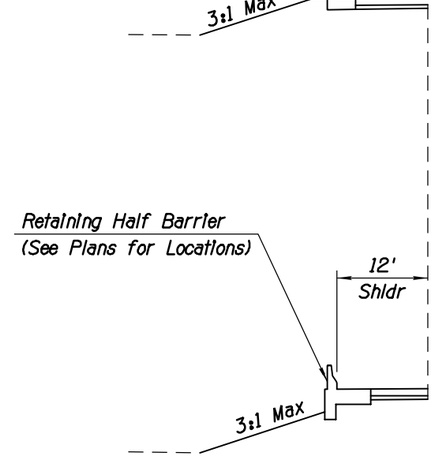
___ OF ___

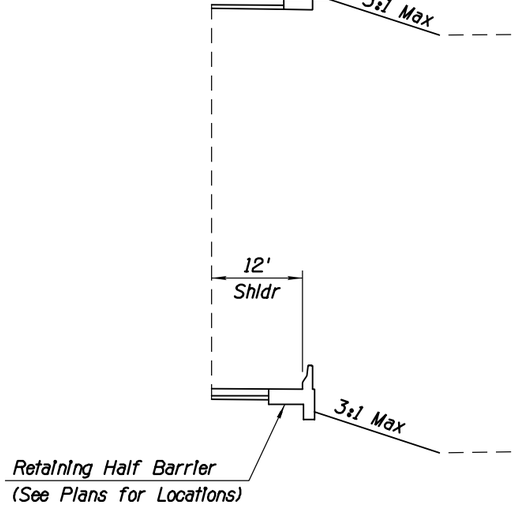
4/25/2016 U:\PIMA03\Prod\civ\h8297tyl1.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23







TYPICAL SECTION

SR 101L

Between WB SR 101L Station 1915+00.00 and WB SR 101L Station 1963+00.00

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION

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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

DESIGN SHEET
SR 101L
TYPICAL MAINLINE SECTIONS

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	G-3.12

TRACS NO. H8297 01L

___ OF ___

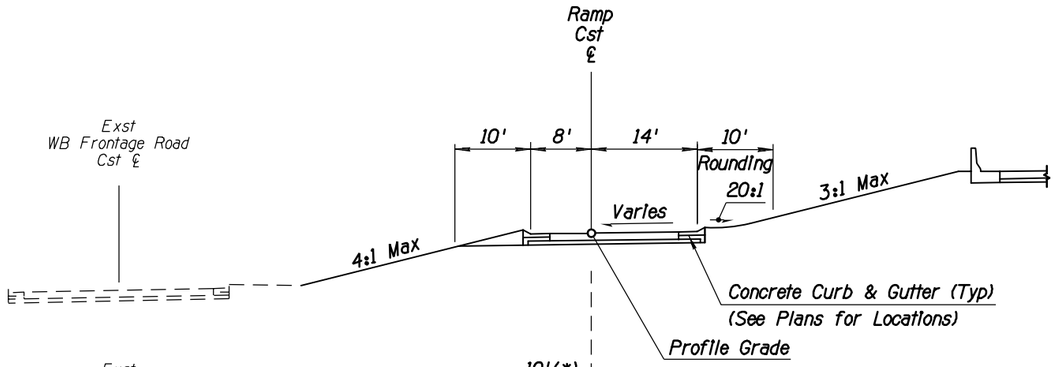
DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

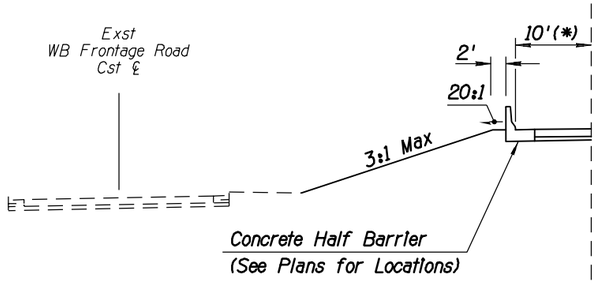
4/25/2016 U:\PIMA03\Prod\civ\h8297ty12.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

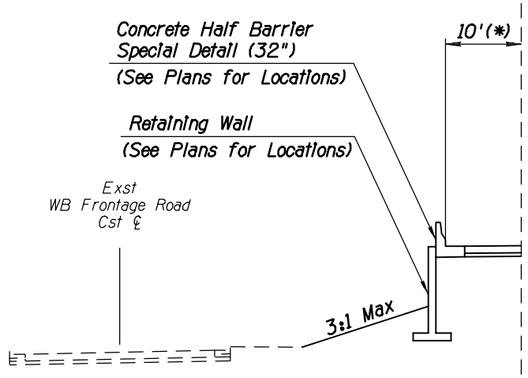


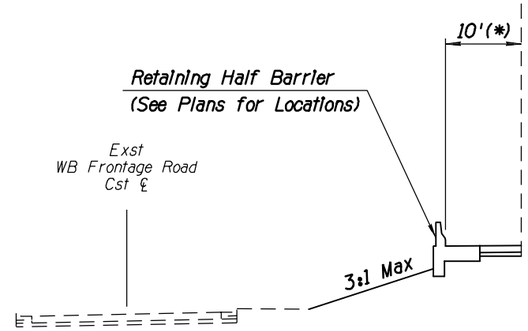


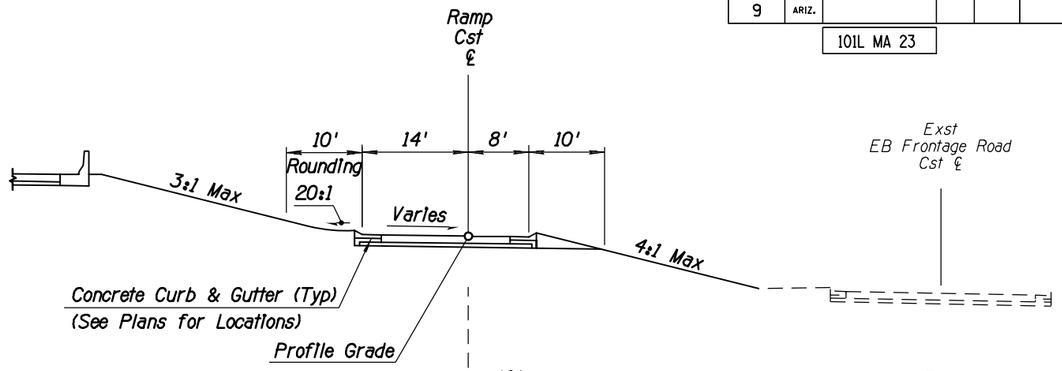
TYPICAL EMBANKMENT SECTION

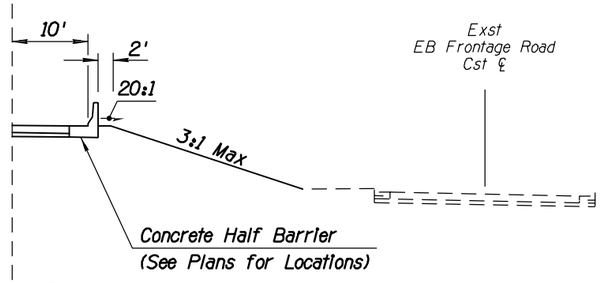
Westbound Exit Ramp
Elevated Freeway With Frontage Rd

* 20' For Two-Lane Exit Ramp (C&G)
22' For Two-Lane Exit Ramp (Barrier)



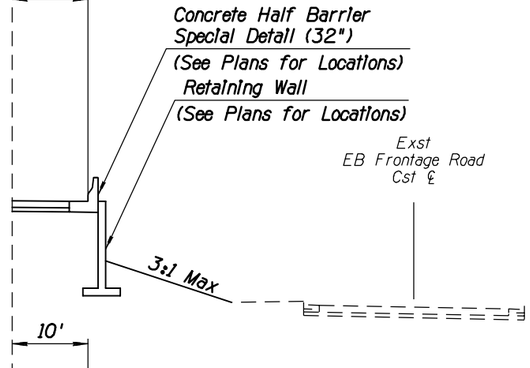


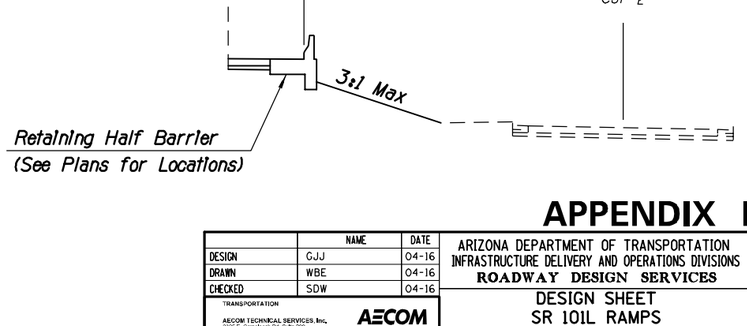




TYPICAL EMBANKMENT SECTION

Eastbound Exit Ramp
Elevated Freeway With Frontage Rd





APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
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TRANSPORTATION
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DESIGN SHEET
SR 101L RAMPS
TYPICAL MAINLINE SECTIONS

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. G-3.13

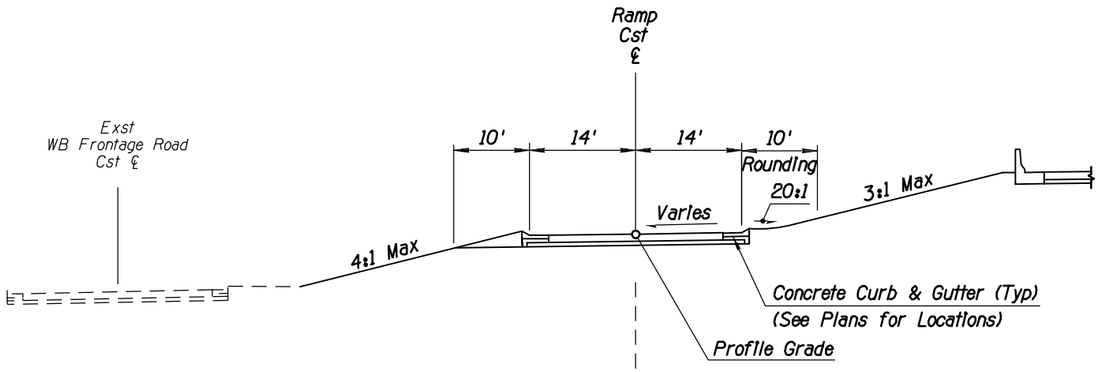
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297tyl3.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

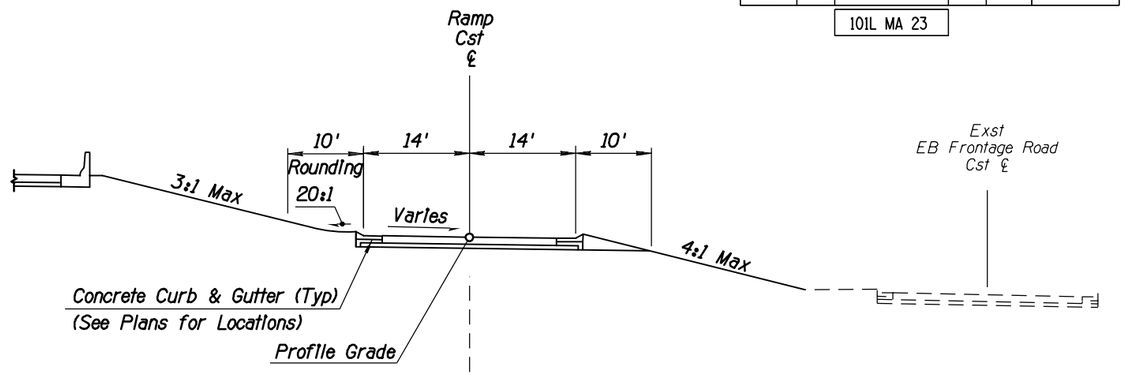
101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



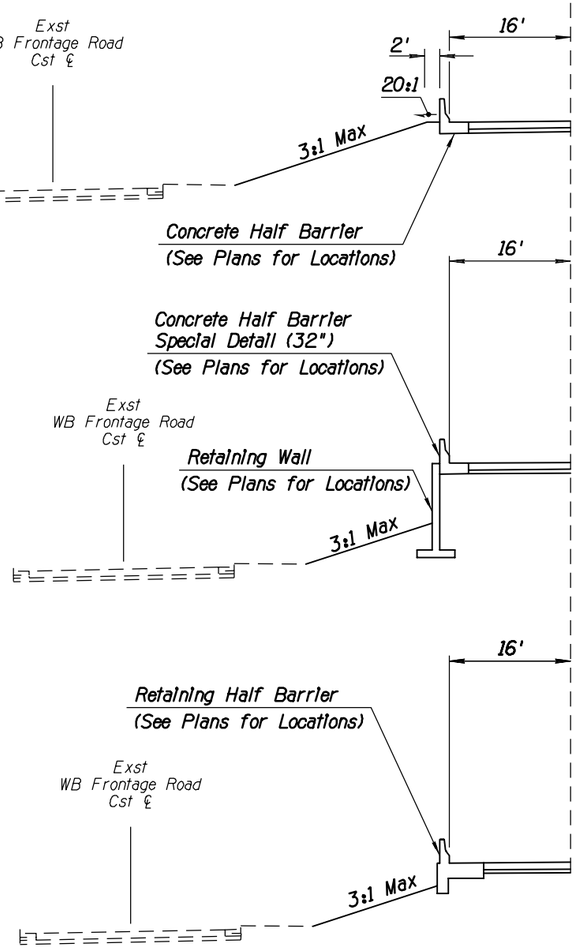
TYPICAL EMBANKMENT SECTION

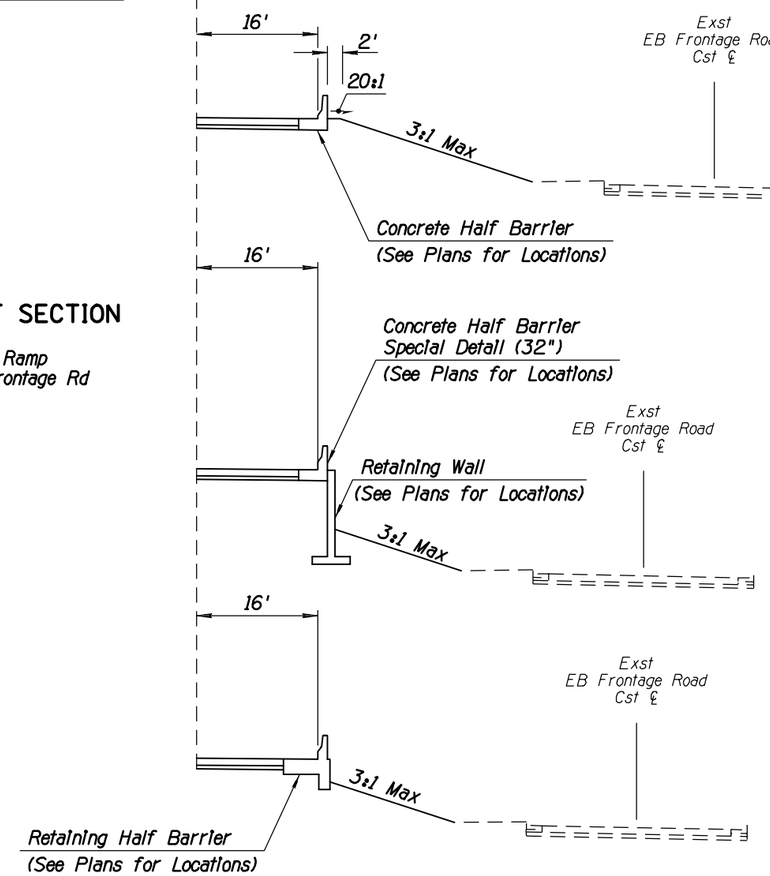
Westbound Entrance Ramp
Elevated Freeway With Frontage Rd



TYPICAL EMBANKMENT SECTION

Eastbound Entrance Ramp
Elevated Freeway With Frontage Rd





APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
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ROADWAY DESIGN SERVICES

DESIGN SHEET
SR 101L RAMPS
TYPICAL MAINLINE SECTIONS

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. G-3.14

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

___ OF ___

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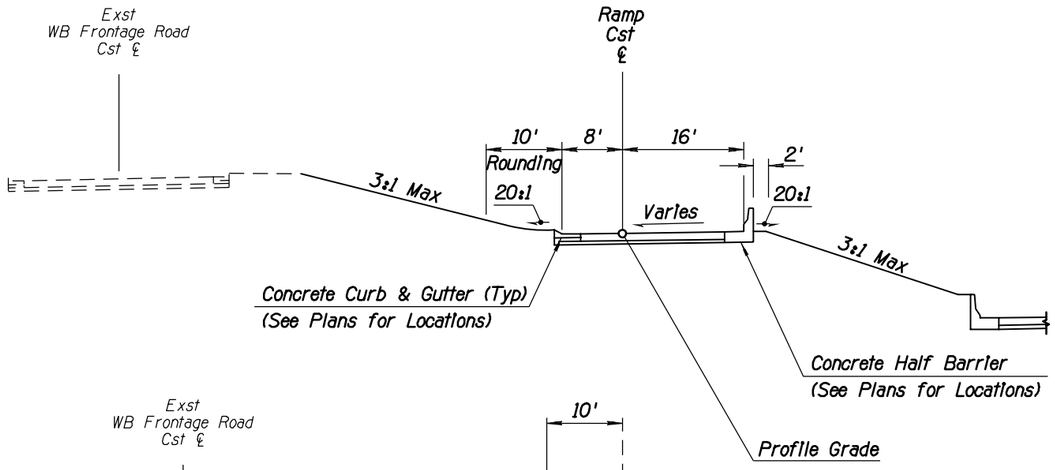
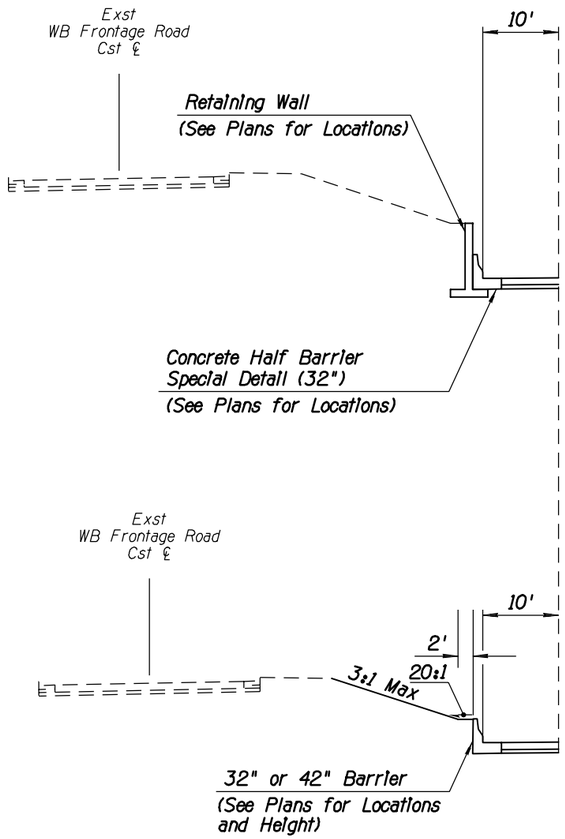
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

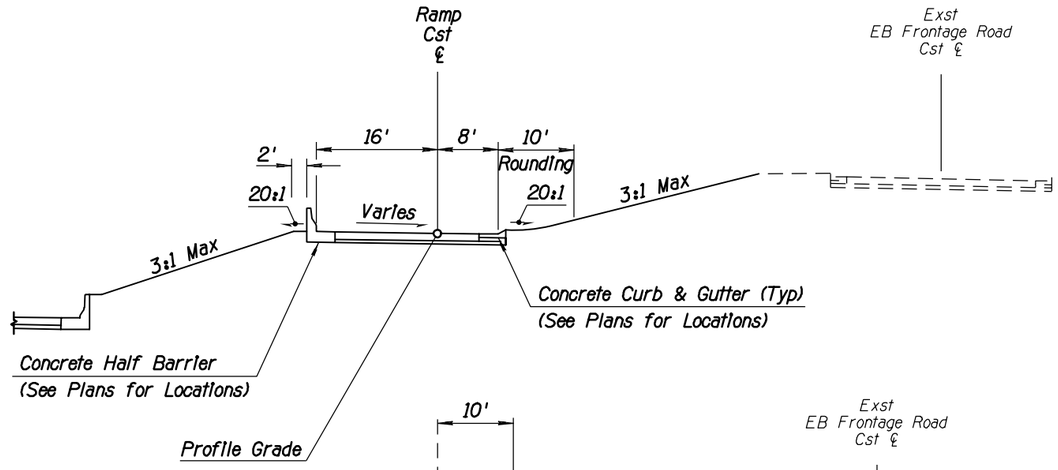
101L MA 23

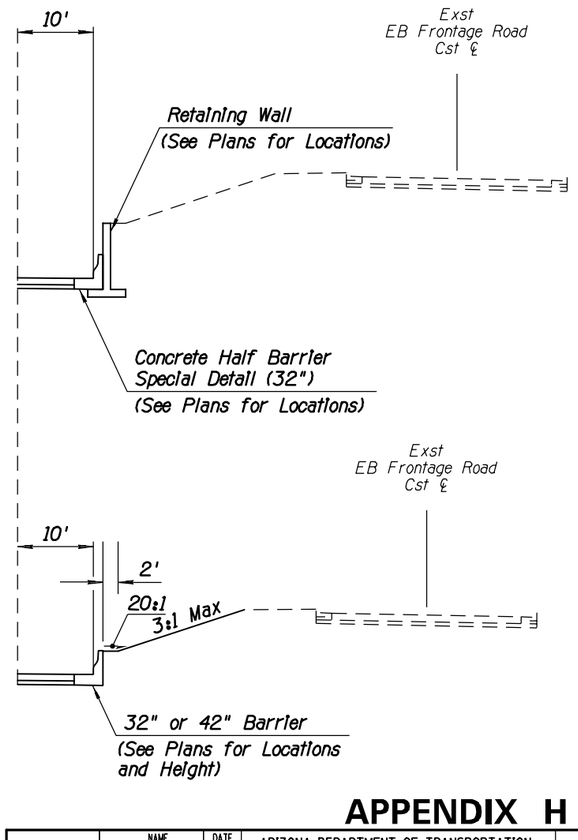




TYPICAL EMBANKMENT SECTION

Westbound Exit Ramp
Depressed Freeway With Frontage Rd





TYPICAL EMBANKMENT SECTION

Eastbound Exit Ramp
Depressed Freeway With Frontage Rd

APPENDIX H

	NAME	DATE
DESIGN	CJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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DESIGN SHEET
SR 101L RAMPS
TYPICAL MAINLINE SECTIONS

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. G-3.15

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

___ OF ___

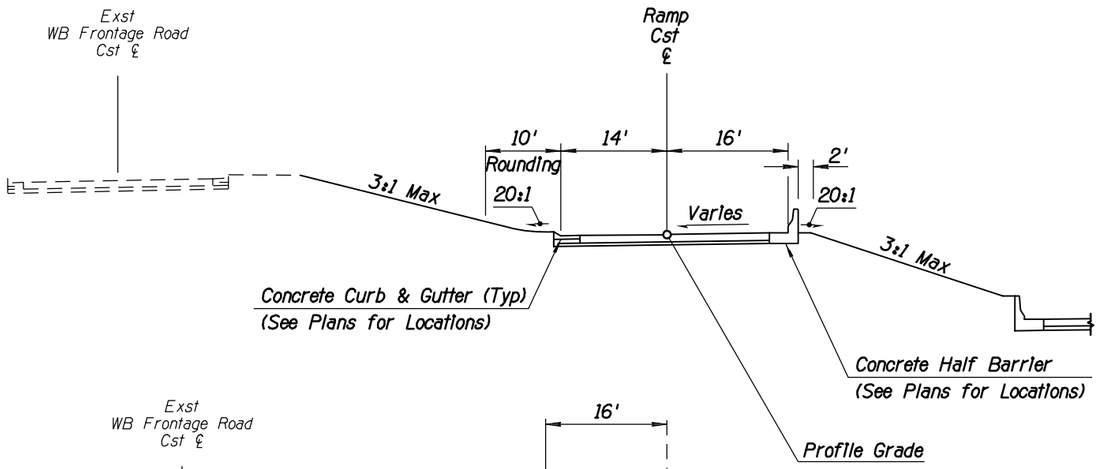
DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.

4/25/2016 U:\PIMA03\Prod\civ\h8297ty15.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

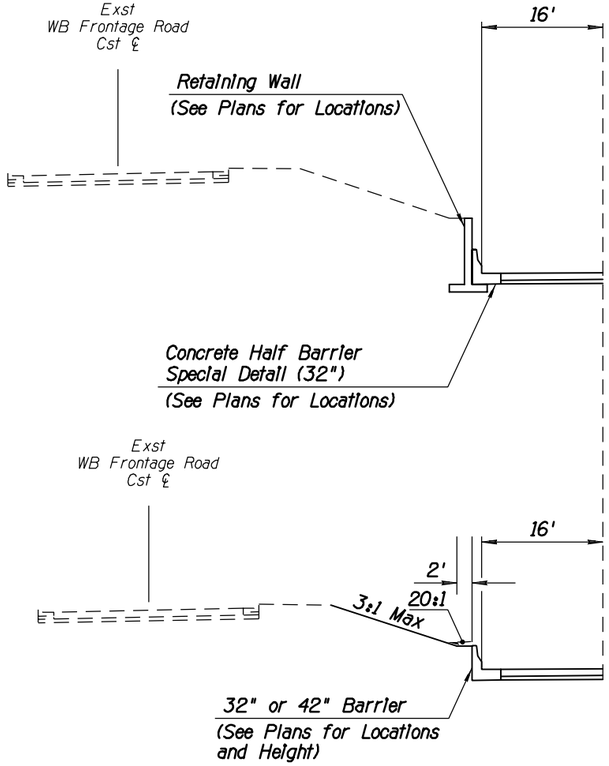
101L MA 23

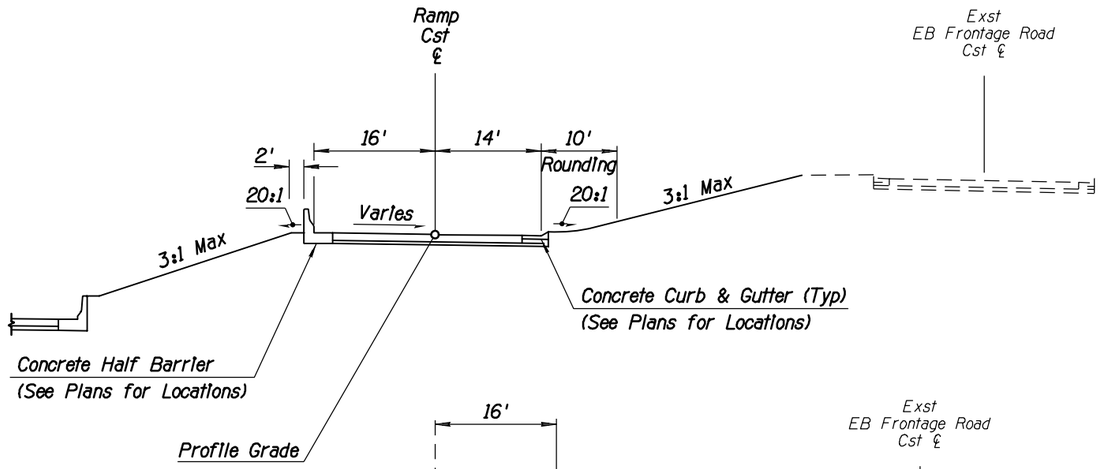
DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



TYPICAL EMBANKMENT SECTION

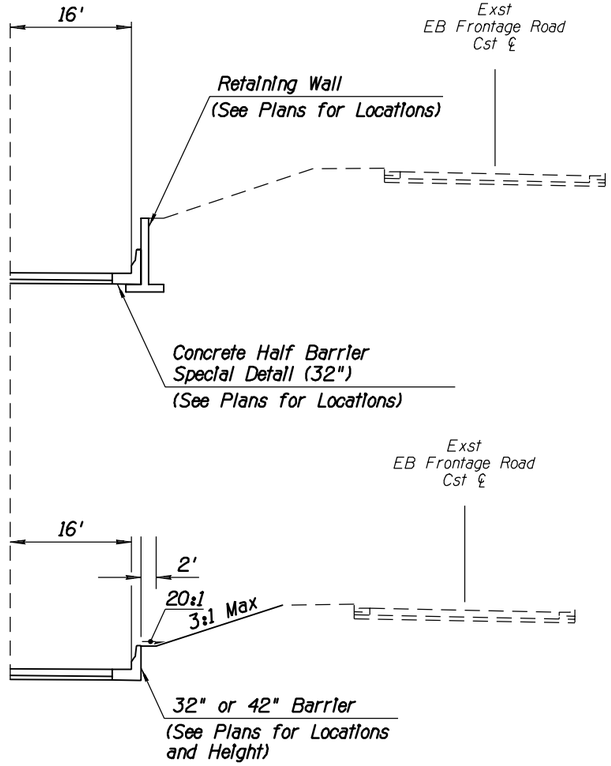
Westbound Entrance Ramp
Depressed Freeway With Frontage Rd





TYPICAL EMBANKMENT SECTION

Eastbound Entrance Ramp
Depressed Freeway With Frontage Rd



APPENDIX H

	NAME	DATE
DESIGN	CJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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ROADWAY DESIGN SERVICES

DESIGN SHEET
SR 101L RAMPS
TYPICAL MAINLINE SECTIONS

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NOT FOR CONSTRUCTION OR RECORDING

DWG NO. G-3.16

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

___ OF ___

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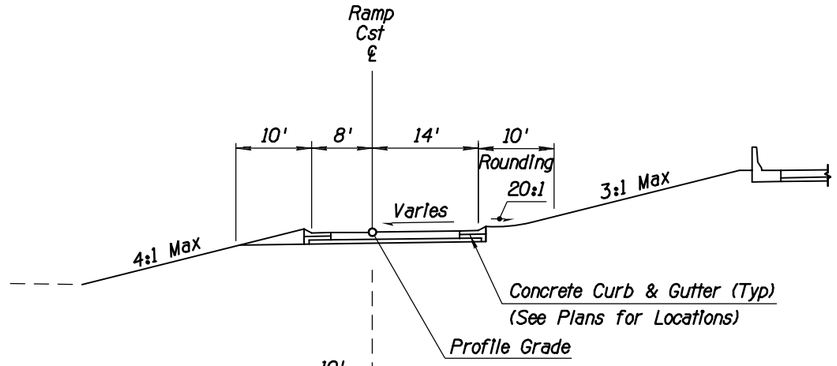
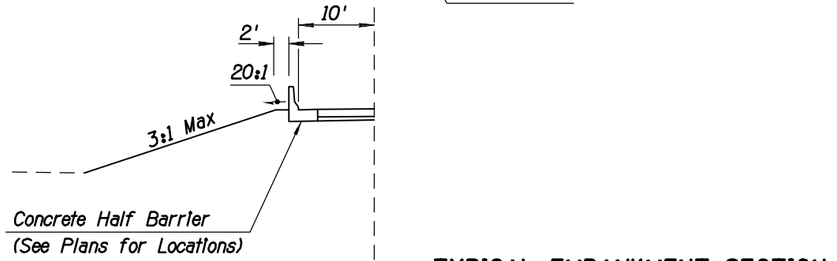
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

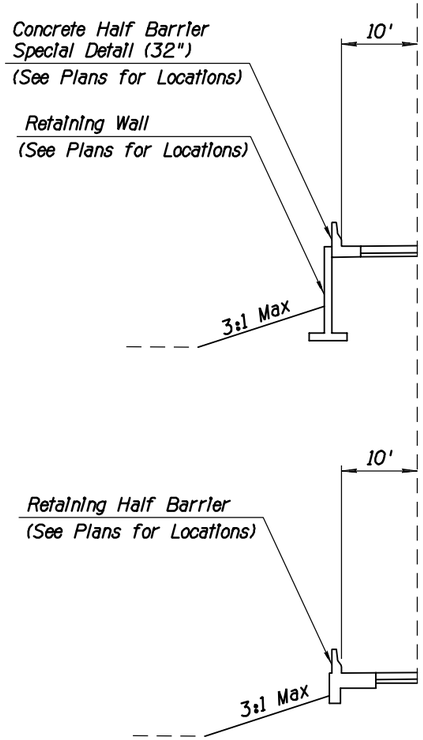
101L MA 23

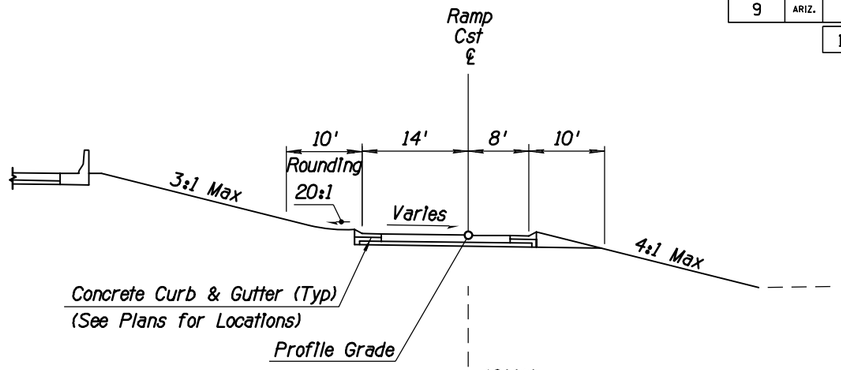


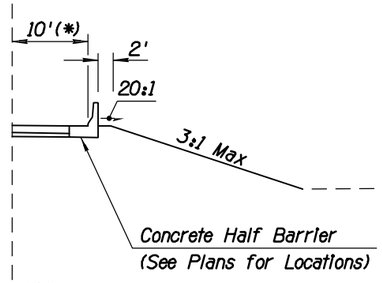


TYPICAL EMBANKMENT SECTION

Westbound Exit Ramp
Elevated Freeway



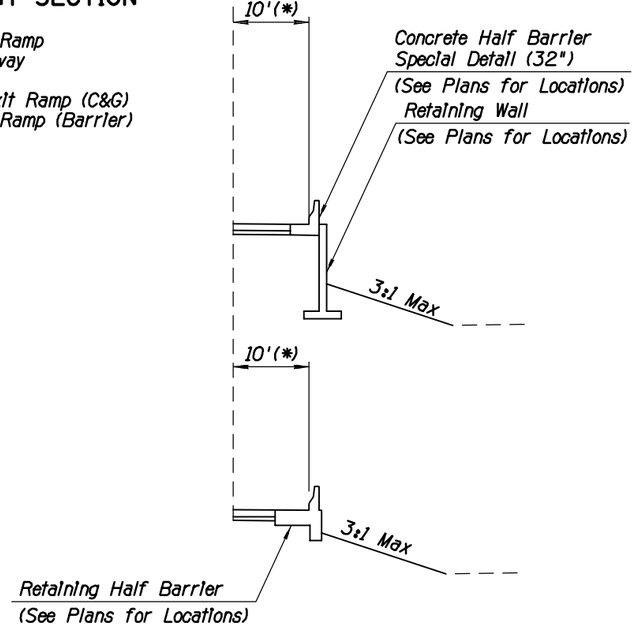




TYPICAL EMBANKMENT SECTION

Eastbound Exit Ramp
Elevated Freeway

* 20' For Two-Lane Exit Ramp (C&G)
22' For Two-Lane Exit Ramp (Barrier)



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

DESIGN SHEET
SR 101L RAMPS
TYPICAL MAINLINE SECTIONS

DCR

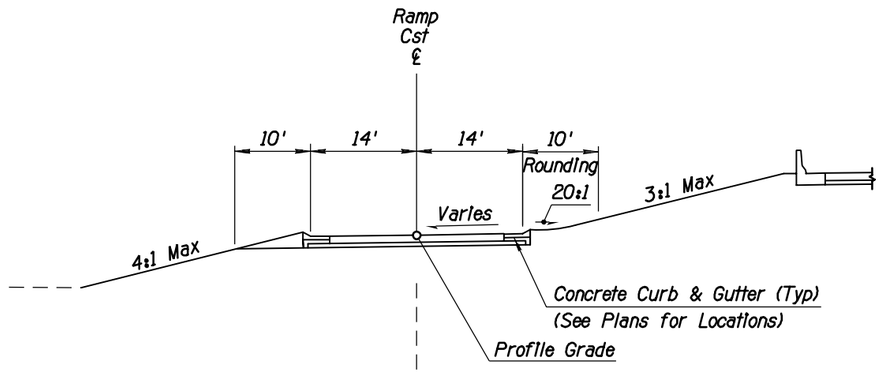
NOT FOR CONSTRUCTION OR RECORDING

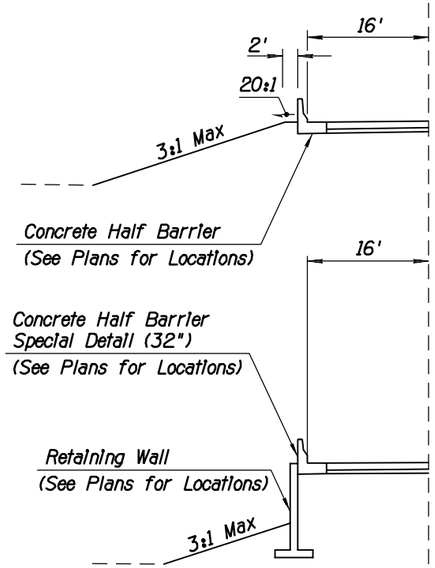
ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	G-3.17
TRACS NO. H8297 01L		___ OF ___

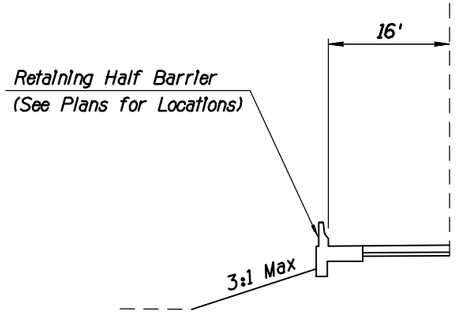
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

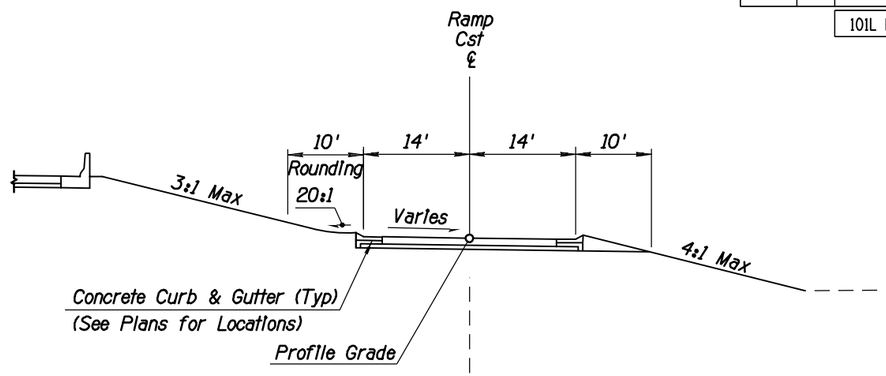


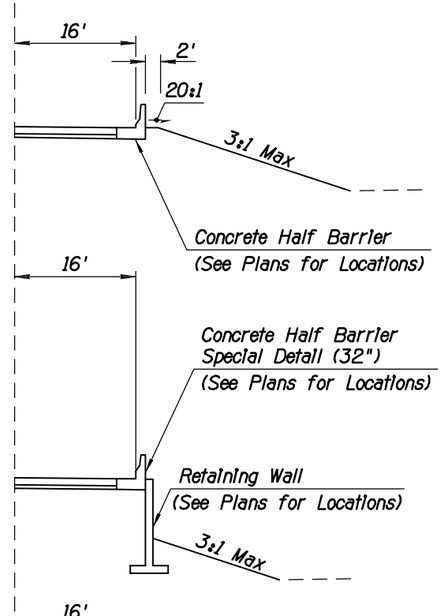


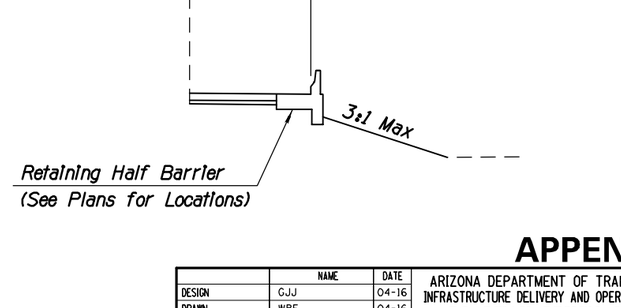


TYPICAL EMBANKMENT SECTION

Westhbound Entrance Ramp
Elevated Freeway







TYPICAL EMBANKMENT SECTION

Eastbound Entrance Ramp
Elevated Freeway

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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ROADWAY DESIGN SERVICES

DESIGN SHEET
SR 101L RAMPS
TYPICAL MAINLINE SECTIONS

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. G-3.18

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

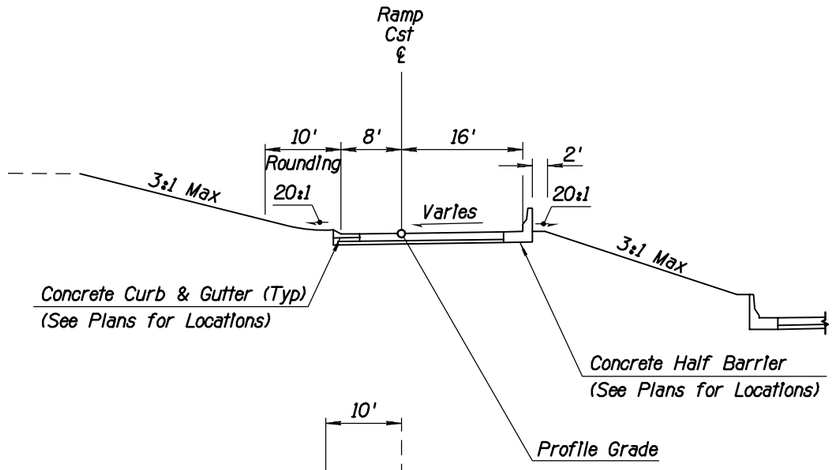
___ OF ___

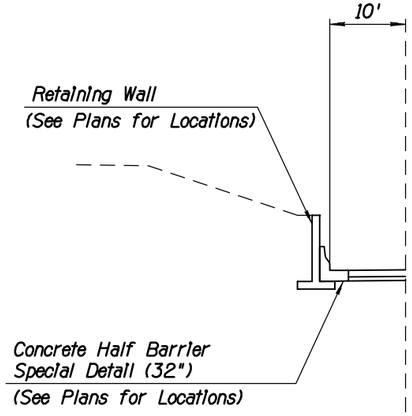
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297ty18.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

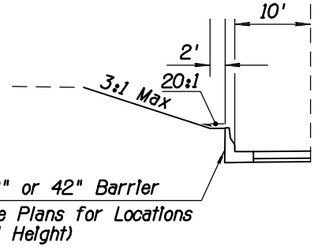
101L MA 23

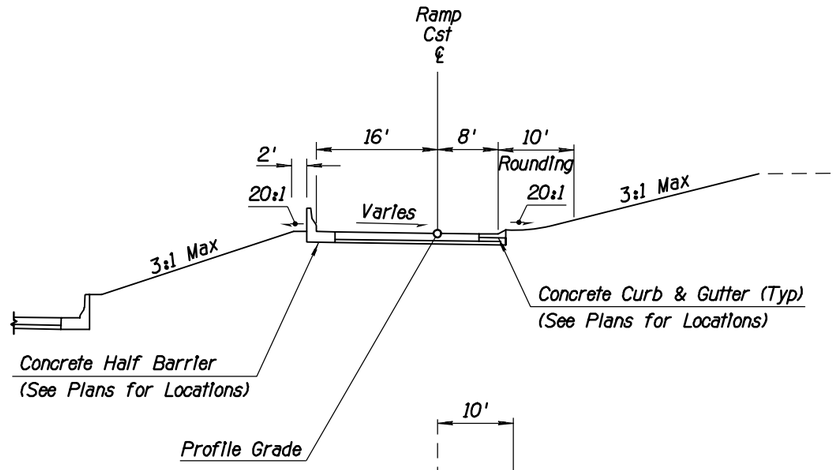


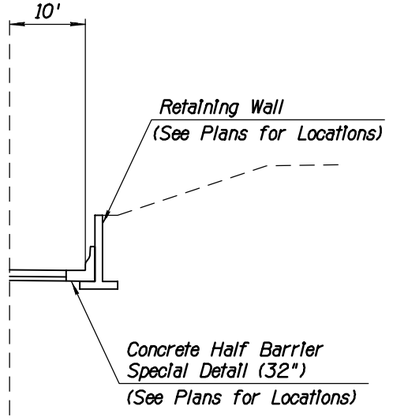


TYPICAL EMBANKMENT SECTION

Westbound Exit Ramp
Depressed Freeway

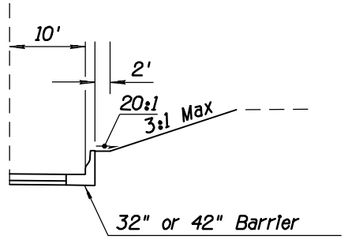






TYPICAL EMBANKMENT SECTION

Eastbound Exit Ramp
Depressed Freeway



APPENDIX H

	NAME	DATE
DESIGN	CJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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ROADWAY DESIGN SERVICES

DESIGN SHEET
SR 101L RAMPS
TYPICAL MAINLINE SECTIONS

DCR

NOT FOR CONSTRUCTION OR RECORDING

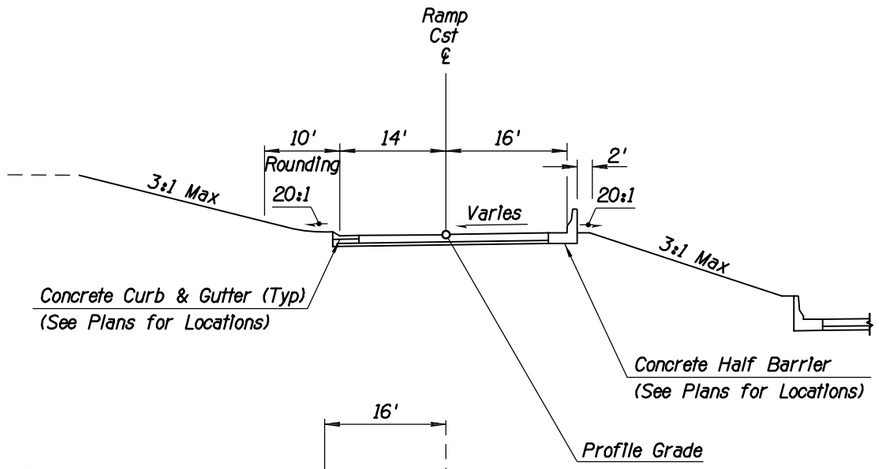
ROUTE	LOCATION	DWG NO. G-3.19
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

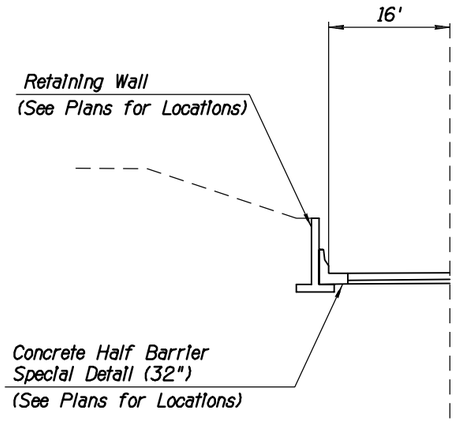
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297ty19.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

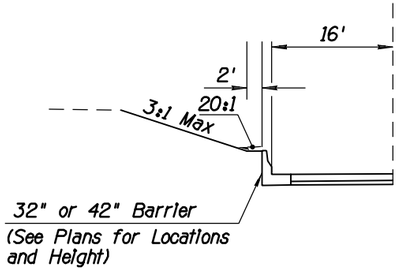
101L MA 23

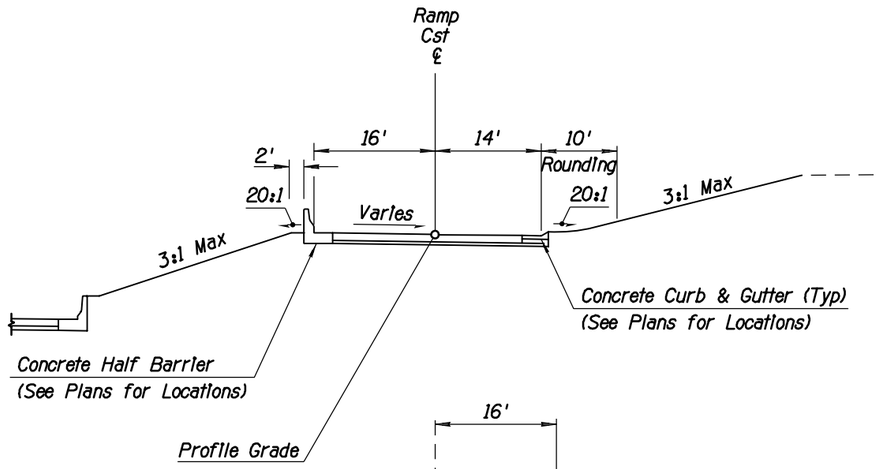


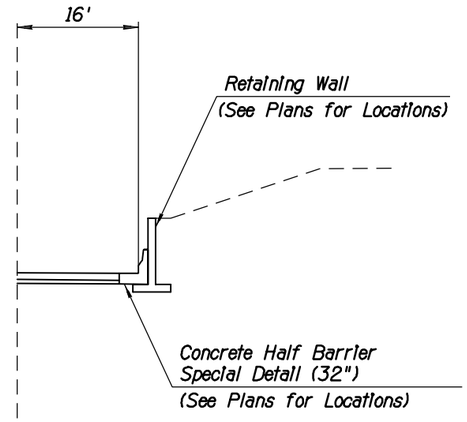


TYPICAL EMBANKMENT SECTION

Westbound Entrance Ramp
Depressed Freeway

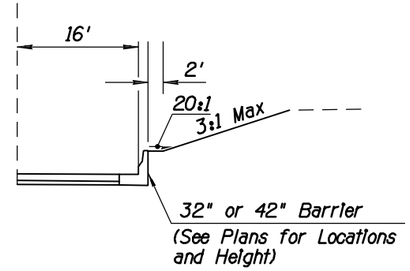






TYPICAL EMBANKMENT SECTION

Eastbound Entrance Ramp
Depressed Freeway



APPENDIX H

	NAME	DATE
DESIGN	CJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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ROADWAY DESIGN SERVICES

DESIGN SHEET
SR 101L RAMPS
TYPICAL MAINLINE SECTIONS

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. G-3.20

TRACS NO. H8297 01L

___ OF ___

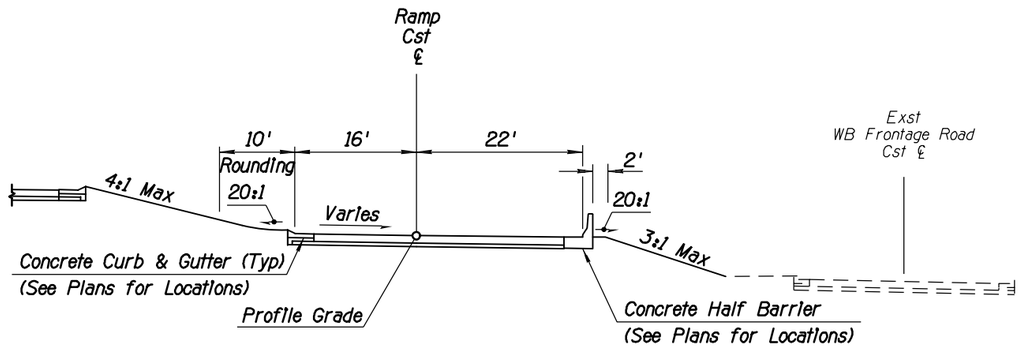
DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.

4/25/2016 U:\PIMA03\Prod\civ\h8297ty20.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

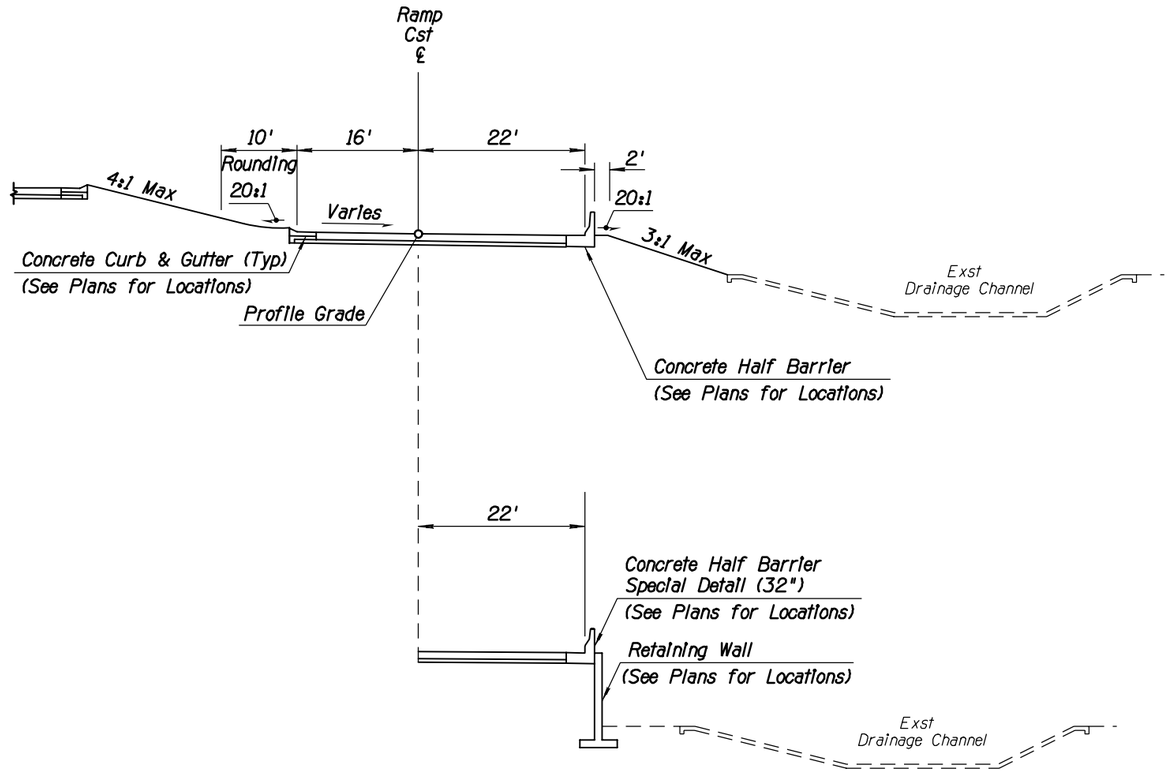
101L MA 23

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-



TYPICAL EMBANKMENT SECTION

I-17/SR101L TI Ramp 'W-S'
(In the Direction of Travel)



TYPICAL EMBANKMENT SECTION

SR51/SR101L TI Ramp 'W-S'
(In the Direction of Travel)

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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ROADWAY DESIGN SERVICES

DESIGN SHEET
SR 101L RAMPS
TYPICAL MAINLINE SECTIONS

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	G-3.21

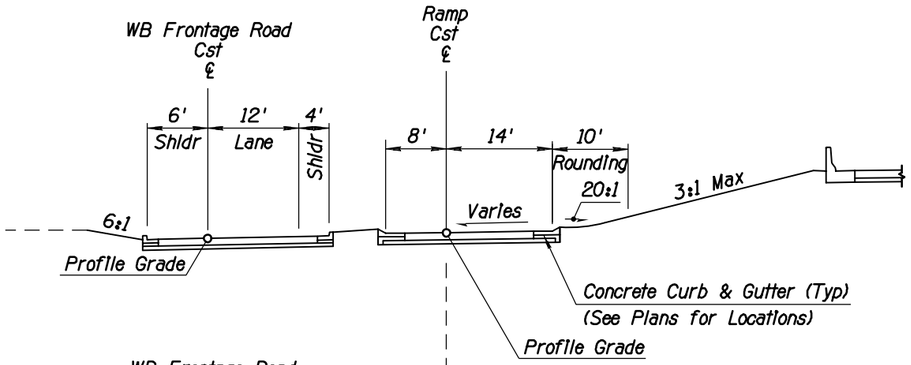
TRACS NO. H8297 01L

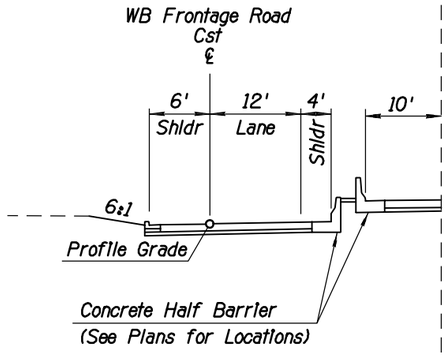
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297ty22.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

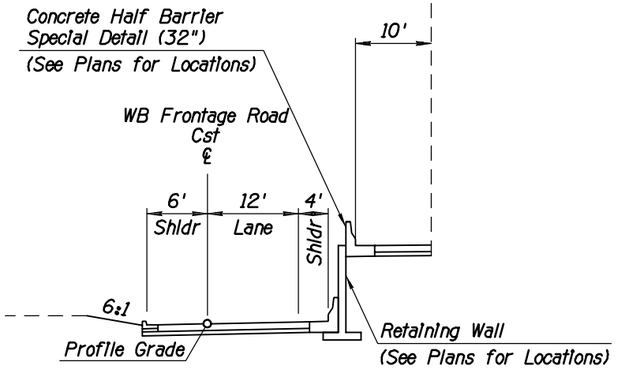
101L MA 23

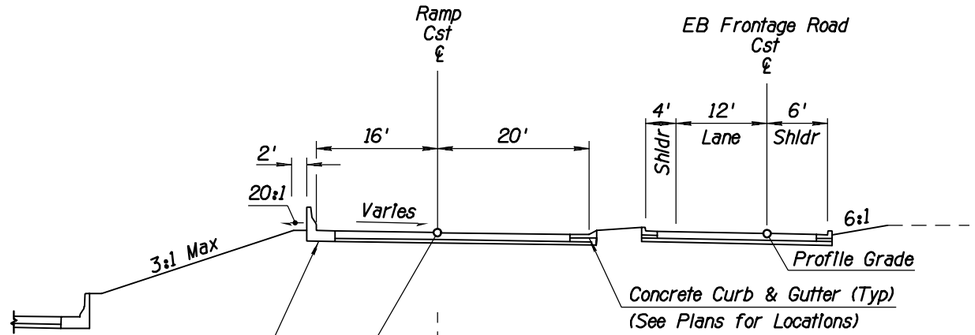




TYPICAL EMBANKMENT SECTION

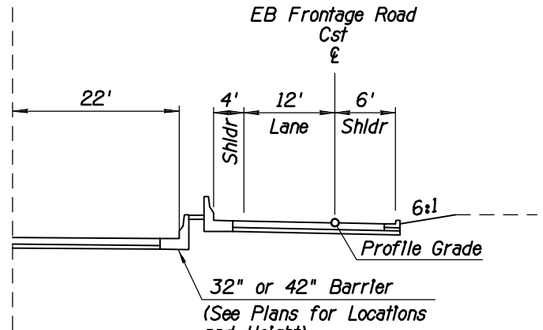
Westbound Frontage Rd

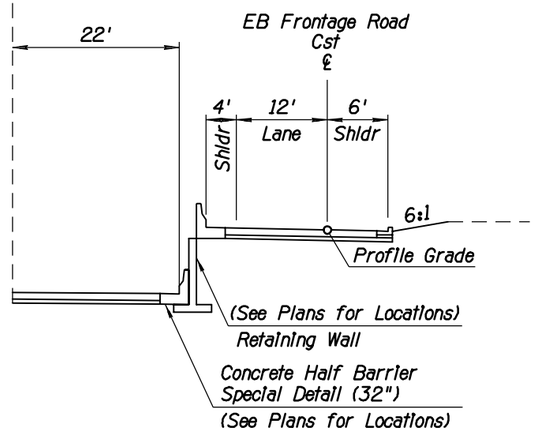




TYPICAL EMBANKMENT SECTION

Eastbound Frontage Rd





APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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DESIGN SHEET
SR 101L FRONTAGE ROAD
TYPICAL MAINLINE SECTIONS

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. G-3.22

TRACS NO. H8297 01L

___ OF ___

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297ty21.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

PLAN REF NO		P.I./P.O.T. STATION	COORDINATES		All Coordinates Are Ground Coordinates And All Bearings Are Grid Bearings								G.A.F. = 1.00016
636	Exst SR 101L Med Cst ℄ POT	1258+05.64	N=971060.175	E=639071.893									
	Exst SR 101L Med Cst ℄ Combined Curve				TOTAL	Δ=9°45'39"		R+o=2867.12	T1=444.78	Ls=888.04	Ext=12.76	T2=444.78	
10062	Exst SR 101L Med Cst ℄ SPI	1295+16.85	N=971052.816	E=642783.100	Spiral	Δ=4°00'00"	LT=266.73	ST=133.40	t=199.97	Ls=400.00	"o"=2.33		
101-1	Exst SR 101L Med Cst ℄ PI	1296+94.14	N=971064.841	E=642960.111	Simple	Δ=1°45'39"	D=2°00'00"	R=2864.79	T=44.02	L=88.04	Ext=0.34	e=0.048⅛	SEE SUPERELEVATION DIAGRAM
10066	Exst SR 101L Med Cst ℄ SPI	1298+71.56	N=971082.300	E=643136.669	Spiral	Δ=4°00'00"	LT=266.73	ST=133.40	t=199.97	Ls=400.00	"o"=2.33		
101-2	Exst SR 101L Med Cst ℄ PI	1323+37.98	N=971495.649	E=645568.346	Simple	Δ=17°18'12"	D=0°37'50"	R=9086.56	T=1382.58	L=2744.12	Ext=104.58	e=0.023⅛	SEE SUPERELEVATION DIAGRAM
101-3	Exst SR 101L Med Cst ℄ PI	1361+58.76	N=970983.823	E=649375.919	Simple	Δ=10°24'54"	D=0°45'33"	R=7545.93	T=687.72	L=1371.65	Ext=31.27	e=0.0253⅛	SEE SUPERELEVATION DIAGRAM
101-4	Exst SR 101L Med Cst ℄ PI	1379+28.84	N=971069.206	E=651147.742	Simple	Δ=2°12'06"	D=0°14'58"	R=22965.88	T=441.30	L=882.50	Ext=4.24	e=NC	SEE SUPERELEVATION DIAGRAM
10018	Exst SR 101L Med Cst ℄ PI	1410+76.07	N=971099.814	E=654294.932									
101-6	Exst SR 101L Med Cst ℄ PI	1442+92.48	N=971168.218	E=657510.613	Simple	Δ=2°06'28"	D=0°14'58"	R=22965.88	T=422.50	L=844.91	Ext=3.89	e=NC	SEE SUPERELEVATION DIAGRAM
101-7	Exst SR 101L Med Cst ℄ PI	1490+44.37	N=971094.466	E=662262.018	Simple	Δ=24°57'11"	D=1°05'29"	R=5249.34	T=1161.50	L=2286.16	Ext=126.96	e=0.0347⅛	SEE SUPERELEVATION DIAGRAM
101-8	Exst SR 101L Med Cst ℄ PI	1523+95.96	N=972470.510	E=665343.420	Simple	Δ=23°47'09"	D=0°49'54"	R=6889.76	T=1451.01	L=2860.22	Ext=151.14	e=0.028⅛	SEE SUPERELEVATION DIAGRAM
101-9	Exst SR 101L Med Cst ℄ PI	1597+33.96	N=972506.323	E=672723.127	Simple	Δ=12°44'27"	D=0°58'13"	R=5905.51	T=659.31	L=1313.19	Ext=36.69	e=0.031⅛	SEE SUPERELEVATION DIAGRAM
101-10	Exst SR 101L Med Cst ℄ PI	1619+81.46	N=972020.131	E=674922.980	Simple	Δ=24°39'40"	D=0°58'13"	R=5905.51	T=1290.90	L=2541.83	Ext=139.45	e=0.031⅛	SEE SUPERELEVATION DIAGRAM
101-11	Exst SR 101L Med Cst ℄ PI	1643+46.99	N=972528.408	E=677274.177	Simple	Δ=11°55'13"	D=0°58'13"	R=5905.51	T=616.54	L=1228.63	Ext=32.10	e=0.031⅛	SEE SUPERELEVATION DIAGRAM
101-12	Exst SR 101L Med Cst ℄ PI	1705+92.49	N=972559.010	E=683580.186	Simple	Δ=29°32'29"	D=1°05'29"	R=5249.34	T=1384.06	L=2706.53	Ext=179.40	e=0.035⅛	SEE SUPERELEVATION DIAGRAM
101-13	Exst SR 101L Med Cst ℄ PI	1776+57.07	N=969071.325	E=689804.504	Simple	Δ=15°17'51"	D=0°30'00"	R=11459.16	T=1538.90	L=3059.49	Ext=102.87	e=0.020⅛	SEE SUPERELEVATION DIAGRAM
	Exst SR 101L Med Cst ℄ Combined Curve				TOTAL	Δ=76°34'31"		R+o=5730.23	T1=4673.46	Ls=7957.54	Ext=1570.92	T2=4673.46	
10102	Exst SR 101L Med Cst ℄ SPI	1920+99.55	N=965581.420	E=703837.394	Spiral	Δ=1°30'00"	LT=200.01	ST=100.01	t=150.00	Ls=300.00	"o"=0.65		
101-14	Exst SR 101L Med Cst ℄ PI	1964+83.90	N=964412.271	E=708062.992	Simple	Δ=73°34'31"	D=1°00'00"	R=5729.58	T=4284.35	L=7357.54	Ext=1424.70	e=0.029⅛	SEE SUPERELEVATION DIAGRAM
10106	Exst SR 101L Med Cst ℄ SPI	2114+14.74	N=960028.527	E=708136.358	Spiral	Δ=1°30'00"	LT=200.01	ST=100.01	t=150.00	Ls=300.00	"o"=0.65		
10003	Exst SR 101L Med Cst ℄ POT	2161+56.43	N=955287.030	E=708091.570									
10510	Exst SR 101L EB Cst ℄ POT	1606+90.55	N=972264.752	E=673654.987									
101-15	Exst SR 101L EB Cst ℄ PI	1621+42.45	N=971951.429	E=675072.669	Simple	Δ=24°39'40"	D=1°07'36"	R=5085.30	T=1111.61	L=2188.79	Ext=120.08	e=0.033⅛	SEE SUPERELEVATION DIAGRAM
101-16	Exst SR 101L EB Cst ℄ PI	1646+81.27	N=972495.150	E=677587.824	Simple	Δ=11°55'13"	D=0°35'13"	R=9760.50	T=1019.01	L=2030.66	Ext=53.05	e=0.022⅛	SEE SUPERELEVATION DIAGRAM
10517	Exst SR 101L EB Cst ℄ POC	1656+92.92	N=972500.095	E=678606.820									
12011	Exst SR 101L WB Cst ℄ POT	1915+00.00	N=965760.083	E=703264.011									
101-17	Exst SR 101L WB Cst ℄ PI	1925+82.52	N=965498.824	E=704314.534	Simple	Δ=8°51'08"	D=1°13'48"	R=4658.21	T=360.57	L=719.70	Ext=13.93	e=0.035⅛	SEE SUPERELEVATION DIAGRAM
101-18	Exst SR 101L WB Cst ℄ PI	1962+45.82	N=964077.611	E=707692.469	Simple	Δ=59°31'17"	D=0°59'29"	R=5778.58	T=3304.17	L=6003.05	Ext=877.96	e=0.029⅛	SEE SUPERELEVATION DIAGRAM
101-19	Exst SR 101L WB Cst ℄ PI	1992+65.45	N=960485.052	E=708175.672	Simple	Δ=8°12'06"	D=1°16'51"	R=4473.73	T=320.74	L=640.39	Ext=11.48	e=0.029⅛	SEE SUPERELEVATION DIAGRAM
12018	Exst SR 101L WB Cst ℄ POT	2000+63.64	N=959685.800	E=708168.122									
15011	Exst I-17 Med Cst ℄ POT	720+64.08	N=968588.683	E=640087.234									
15012	Exst I-17 Med Cst ℄ POT	773+73.85	N=973886.505	E=640443.166									

CURVE DATA TABLE

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

GEOMETRIC DATA SHEET

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-1.01

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297g01.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

PLAN REF NO		P.I./P.O.T. STATION	COORDINATES		All Coordinates Are Ground Coordinates And All Bearings Are Grid Bearings								G.A.F. = 1.00016
11001	Exst I-17 Ramp 'W-S' Cst ℄ POT	1700+00.00	N=971323.832	E=644205.539									
XWS-1	Exst I-17 Ramp 'W-S' Cst ℄ PI	1713+20.08	N=971193.932	E=642891.869	Simple	Δ=6°58'45"	D=1°00'00"	R=5729.58	T=349.38	L=697.91	Ext=10.64	e=NC	SEE SUPERELEVATION DIAGRAM
	Exst I-17 Ramp 'W-S' Cst ℄ Combined Curve				TOTAL	Δ=94°52'35"		R+o=931.79	T1=1114.64	Ls=1739.99	Ext=447.61	T2=1114.64	
11006	Exst I-17 Ramp 'W-S' Cst ℄ SPI	1733+02.79	N=971240.036	E=640908.826	Spiral	Δ=6°09'39"	LT=133.41	ST=66.74	t=99.96	Ls=200.00	"o"=1.79		
XWS-2	Exst I-17 Ramp 'W-S' Cst ℄ PI	1741+85.75	N=971165.694	E=640028.844	Simple	Δ=82°33'17"	D=6°09'39"	R=930.00	T=816.38	L=1339.99	Ext=307.49	e=0.060⅋	SEE SUPERELEVATION DIAGRAM
11010	Exst I-17 Ramp 'W-S' Cst ℄ SPI	1747+76.11	N=970283.498	E=639988.535	Spiral	Δ=6°09'39"	LT=133.41	ST=66.74	t=99.96	Ls=200.00	"o"=1.79		
XWS-3	Exst I-17 Ramp 'W-S' Cst ℄ PI	1759+43.10	N=969118.591	E=640060.696	Simple	Δ=7°23'18"	D=1°00'00"	R=5729.58	T=369.93	L=738.83	Ext=11.93	e=NC	SEE SUPERELEVATION DIAGRAM
11014	Exst I-17 Ramp 'W-S' Cst ℄ POC	1763+12.00	N=968749.495	E=640035.899									
11201	Exst I-17 Ramp 'S-E' Cst ℄ POT	2200+05.48	N=974087.831	E=640394.552									
	Exst I-17 Ramp 'S-E' Cst ℄ Combined Curve				TOTAL	Δ=100°50'49"		R+o=1031.62	T1=1284.92	Ls=1758.97	Ext=541.10	T2=1099.34	
11203	Exst I-17 Ramp 'S-E' Cst ℄ SPI	2221+17.57	N=971995.508	E=640106.316	Spiral	Δ=5°33'46"	LT=133.40	ST=66.73	t=99.97	Ls=200.00	"o"=1.62		
XSE-1	Exst I-17 Ramp 'S-E' Cst ℄ PI	2226+39.33	N=971474.033	E=640085.545	Simple	Δ=47°40'54"	D=5°33'46"	R=1030.00	T=455.16	L=857.17	Ext=96.09	e=0.060⅋	SEE SUPERELEVATION DIAGRAM
XSE-2	Exst I-17 Ramp 'S-E' Cst ℄ PI	2234+13.92	N=970892.839	E=640674.927	Simple	Δ=47°36'09"	D=6°46'59"	R=844.70	T=372.58	L=701.80	Ext=78.52	e=0.060⅋	SEE SUPERELEVATION DIAGRAM
XSE-3	Exst I-17 Ramp 'S-E' Cst ℄ PI	2245+90.83	N=970956.774	E=641893.524	Simple	Δ=3°05'24"	D=0°45'00"	R=7639.44	T=206.05	L=412.00	Ext=2.78	e=NC	SEE SUPERELEVATION DIAGRAM
XSE-4	Exst I-17 Ramp 'S-E' Cst ℄ PI	2257+16.84	N=970955.070	E=643019.634	Simple	Δ=10°52'47"	D=1°30'00"	R=3819.72	T=363.75	L=725.31	Ext=17.28	e=0.030⅋	SEE SUPERELEVATION DIAGRAM
11215	Exst I-17 Ramp 'S-E' Cst ℄ POT	2266+80.69	N=971135.972	E=643968.584									
13031	Exst EB Frontage Rd Cst ℄ POT	2758+42.00	N=970737.182	E=639073.677									
XEB-1	Exst EB Frontage Rd Cst ℄ PI	2765+40.43	N=970701.492	E=639771.197	Simple	Δ=12°08'41"	D=3°50'00"	R=1494.67	T=159.01	L=316.82	Ext=8.43	e=0.061⅋	SEE SUPERELEVATION DIAGRAM
XEB-2	Exst EB Frontage Rd Cst ℄ PI	2775+07.45	N=970856.552	E=640726.911	Simple	Δ=13°18'54"	D=7°30'00"	R=763.94	T=89.17	L=177.53	Ext=5.19	e=0.080⅋	SEE SUPERELEVATION DIAGRAM
XEB-3	Exst EB Frontage Rd Cst ℄ PI	2779+83.64	N=970822.454	E=641202.687	Simple	Δ=8°41'59"	D=5°00'00"	R=1145.92	T=87.16	L=173.99	Ext=3.31	e=0.071⅋	SEE SUPERELEVATION DIAGRAM
XEB-4	Exst EB Frontage Rd Cst ℄ PI	893+06.69	N=970887.514	E=642011.247	Simple	Δ=6°09'09"	D=3°30'00"	R=1637.02	T=87.98	L=175.79	Ext=2.36	e=0.048⅋	SEE SUPERELEVATION DIAGRAM
XEB-5	Exst EB Frontage Rd Cst ℄ PI	899+83.33	N=970869.181	E=642687.800	Simple	Δ=5°48'10"	D=3°30'00"	R=1637.02	T=82.97	L=165.79	Ext=2.10	e=0.048⅋	SEE SUPERELEVATION DIAGRAM
XEB-6	Exst EB Frontage Rd Cst ℄ PI	908+40.51	N=970932.723	E=643542.762	Simple	Δ=6°33'49"	D=0°30'00"	R=11459.16	T=657.08	L=1312.72	Ext=18.82	e=NC	SEE SUPERELEVATION DIAGRAM
XEB-7	Exst EB Frontage Rd Cst ℄ PI	922+54.78	N=971198.343	E=644933.332	Simple	Δ=11°04'16"	D=6°44'26"	R=850.00	T=82.38	L=164.24	Ext=3.98	e=0.060⅋	SEE SUPERELEVATION DIAGRAM
XEB-8	Exst EB Frontage Rd Cst ℄ PI	1337+70.89	N=971189.018	E=647012.705	Simple	Δ=9°22'15"	D=1°09'51"	R=4921.26	T=403.34	L=804.88	Ext=16.50	e=NC	SEE SUPERELEVATION DIAGRAM
XEB-9	Exst EB Frontage Rd Cst ℄ PI	1364+08.98	N=970747.504	E=649615.409	Simple	Δ=16°27'24"	D=0°58'13"	R=5905.51	T=853.98	L=1696.20	Ext=61.43	e=NC	SEE SUPERELEVATION DIAGRAM
XEB-10	Exst EB Frontage Rd Cst ℄ PI	1378+91.50	N=970925.181	E=651099.087	Simple	Δ=6°43'17"	D=0°58'13"	R=5905.51	T=346.79	L=692.79	Ext=10.17	e=0.020⅋	SEE SUPERELEVATION DIAGRAM
XEB-11	Exst EB Frontage Rd Cst ℄ PI	1396+23.16	N=970928.430	E=652831.537	Simple	Δ=2°26'45"	D=0°21'50"	R=15748.03	T=336.19	L=672.27	Ext=3.59	e=NC	SEE SUPERELEVATION DIAGRAM
XEB-12	Exst EB Frontage Rd Cst ℄ PI	1413+62.68	N=970857.449	E=654569.709	Simple	Δ=6°59'37"	D=0°26'12"	R=13123.36	T=801.91	L=1601.83	Ext=24.48	e=NC	SEE SUPERELEVATION DIAGRAM
XEB-13	Exst EB Frontage Rd Cst ℄ PI	1426+57.34	N=970962.681	E=655862.089	Simple	Δ=1°49'11"	D=0°17'28"	R=19685.04	T=312.65	L=625.24	Ext=2.48	e=0.020⅋	SEE SUPERELEVATION DIAGRAM
XEB-14	Exst EB Frontage Rd Cst ℄ PI	1442+31.58	N=971040.550	E=657434.454	Simple	Δ=6°34'34"	D=0°58'13"	R=5905.51	T=339.28	L=677.82	Ext=9.74	e=0.020⅋	SEE SUPERELEVATION DIAGRAM
XEB-15	Exst EB Frontage Rd Cst ℄ PI	1453+47.11	N=970967.716	E=658548.346	Simple	Δ=3°14'29"	D=0°20'57"	R=16404.20	T=464.15	L=928.05	Ext=6.57	e=0.020⅋	SEE SUPERELEVATION DIAGRAM
13020	Exst EB Frontage Rd Cst ℄ PI	1467+93.40	N=970955.099	E=659995.191									
XEB-16	Exst EB Frontage Rd Cst ℄ PI	1489+58.19	N=970964.558	E=662159.958	Simple	Δ=22°36'34"	D=1°35'15"	R=3608.92	T=721.45	L=1424.12	Ext=71.40	e=0.020⅋	SEE SUPERELEVATION DIAGRAM
XEB-17	Exst EB Frontage Rd Cst ℄ PI	1502+65.48	N=971479.705	E=663381.871	Simple	Δ=4°08'00"	D=0°29'56"	R=11482.94	T=414.38	L=828.40	Ext=7.47	e=NC	SEE SUPERELEVATION DIAGRAM
XEB-18	Exst EB Frontage Rd Cst ℄ PI	1509+64.61	N=971702.962	E=664040.455	Simple	Δ=5°26'56"	D=0°58'13"	R=5905.51	T=281.02	L=561.61	Ext=6.68	e=NC	SEE SUPERELEVATION DIAGRAM

CURVE DATA TABLE

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

GEOMETRIC DATA SHEET

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-1.02

TRACS NO. H8297 01L

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DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

PLAN REF NO		P.I./P.O.T. STATION	COORDINATES		All Coordinates Are Ground Coordinates And All Bearings Are Grid Bearings								G.A.F. = 1.00016
XEB-19	Exst EB Frontage Rd Cst ℄ PI	1516+74.41	N=971993.820	E=664688.393	Simple	Δ=9°58'08"	D=1°09'51"	R=4921.26	T=429.21	L=856.25	Ext=18.68	e=NC	SEE SUPERELEVATION DIAGRAM
13025	Exst EB Frontage Rd Cst ℄ POT	1523+34.75	N=972156.409	E=665330.642									
14031	Exst WB Frontage Rd Cst ℄ POT	2457+77.74	N=971416.073	E=639069.983									
XWB-1	Exst WB Frontage Rd Cst ℄ PI	2465+16.16	N=971489.119	E=639804.783	Simple	Δ=11°19'49"	D=2°00'00"	R=2864.79	T=284.18	L=566.51	Ext=14.06	e=0.035⅛	SEE SUPERELEVATION DIAGRAM
XWB-2	Exst WB Frontage Rd Cst ℄ PI	796+79.33	N=971250.264	E=642217.785	Simple	Δ=6°16'19"	D=4°00'00"	R=1432.39	T=78.48	L=156.80	Ext=2.15	e=0.051⅛	SEE SUPERELEVATION DIAGRAM
XWB-3	Exst WB Frontage Rd Cst ℄ PI	805+50.71	N=971259.677	E=643089.268	Simple	Δ=12°57'51"	D=2°00'00"	R=2864.79	T=325.49	L=648.20	Ext=18.43	e=0.035⅛	SEE SUPERELEVATION DIAGRAM
XWB-4	Exst WB Frontage Rd Cst ℄ PI	812+85.82	N=971432.973	E=643806.521	Simple	Δ=7°42'39"	D=3°00'00"	R=1909.86	T=128.71	L=257.03	Ext=4.33	e=0.044⅛	SEE SUPERELEVATION DIAGRAM
XWB-5	Exst WB Frontage Rd Cst ℄ PI	827+33.20	N=971581.089	E=645246.686	Simple	Δ=10°31'39"	D=3°00'56"	R=1900.00	T=175.04	L=349.10	Ext=8.05	e=0.044⅛	SEE SUPERELEVATION DIAGRAM
XWB-6	Exst WB Frontage Rd Cst ℄ PI	1336+40.55	N=971447.923	E=646881.999	Simple	Δ=1°59'56"	D=0°14'58"	R=22965.88	T=400.63	L=801.18	Ext=3.49	e=0.020⅛	SEE SUPERELEVATION DIAGRAM
XWB-7	Exst WB Frontage Rd Cst ℄ PI	1357+35.60	N=971205.145	E=648963.015	Simple	Δ=6°50'46"	D=0°58'13"	R=5905.51	T=353.24	L=705.63	Ext=10.56	e=0.021⅛	SEE SUPERELEVATION DIAGRAM
XWB-8	Exst WB Frontage Rd Cst ℄ PI	1394+98.78	N=971217.750	E=652727.014	Simple	Δ=3°39'27"	D=0°34'56"	R=9842.52	T=314.26	L=628.30	Ext=5.02	e=NC	SEE SUPERELEVATION DIAGRAM
XWB-9	Exst WB Frontage Rd Cst ℄ PI	1404+04.48	N=971278.567	E=653630.879	Simple	Δ=3°27'09"	D=0°32'45"	R=10498.69	T=316.41	L=632.62	Ext=4.77	e=NC	SEE SUPERELEVATION DIAGRAM
14059	Exst WB Frontage Rd Cst ℄ PI	1427+94.49	N=971295.123	E=656021.026									
XWB-10	Exst WB Frontage Rd Cst ℄ PI	1492+51.03	N=971295.041	E=662477.561	Simple	Δ=26°46'05"	D=1°35'15"	R=3608.92	T=858.71	L=1686.06	Ext=100.75	e=0.021⅛	SEE SUPERELEVATION DIAGRAM
XWB-11	Exst WB Frontage Rd Cst ℄ PI	1511+89.12	N=972182.020	E=664235.963	Simple	Δ=12°45'21"	D=1°56'26"	R=2952.76	T=330.05	L=657.38	Ext=18.39	e=0.024⅛	SEE SUPERELEVATION DIAGRAM
14066	Exst WB Frontage Rd Cst ℄ POT	1523+10.91	N=972454.287	E=665327.026									
14511	Exst WB Frontage Rd Cst ℄ POT	19+96.10	N=967383.811	E=697472.972									
XWB-12	Exst WB Frontage Rd Cst ℄ PI	26+03.82	N=967196.360	E=698051.060	Simple	Δ=2°30'36"	D=0°34'23"	R=10000.00	T=219.08	L=438.09	Ext=2.40	e=NC	SEE SUPERELEVATION DIAGRAM
XWB-13	Exst WB Frontage Rd Cst ℄ PI	37+38.36	N=966893.994	E=699144.635	Simple	Δ=1°29'24"	D=0°21'29"	R=16000.00	T=208.04	L=416.06	Ext=1.35	e=NC	SEE SUPERELEVATION DIAGRAM
XWB-14	Exst WB Frontage Rd Cst ℄ PI	61+77.62	N=966305.288	E=701511.816	Simple	Δ=4°45'11"	D=1°25'57"	R=4000.00	T=166.01	L=331.82	Ext=3.44	e=NC	SEE SUPERELEVATION DIAGRAM
XWB-15	Exst WB Frontage Rd Cst ℄ PI	67+50.29	N=966213.573	E=702077.282	Simple	Δ=3°49'16"	D=1°54'35"	R=3000.00	T=100.07	L=200.07	Ext=1.67	e=NC	SEE SUPERELEVATION DIAGRAM
32611	Exst WB Frontage Rd Cst ℄ POT	74+46.49	N=966056.543	E=702755.622									
16002	Exst 23rd Ave Cst ℄ POT	14+00.00	N=971654.932	E=641710.779									
16001	Exst 23rd Ave Cst ℄ POT	26+00.00	N=970454.942	E=641715.750									
17004	Exst 19th Ave Cst ℄ POT	14+59.73	N=971830.836	E=644370.205									
17000	Exst 19th Ave Cst ℄ PI	20+59.73	N=971230.836	E=644371.202									
17003	Exst 19th Ave Cst ℄ POT	26+59.73	N=970630.841	E=644373.540									
17601	Exst 19th Ave Ramp 'C' Cst ℄ POC	0+00.00	N=971499.700	E=644570.768									
X19C1	Exst 19th Ave Ramp 'C' Cst ℄ PI	5+58.82	N=971556.871	E=645126.652	Simple	Δ=11°08'12"	D=0°59'59"	R=5731.86	T=558.82	L=1114.11	Ext=27.18	e=NC	SEE SUPERELEVATION DIAGRAM
17604	Exst 19th Ave Ramp 'C' Cst ℄ POT	20+02.99	N=971424.035	E=646568.244									

CURVE DATA TABLE

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

GEOMETRIC DATA SHEET

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-1.03

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297g03.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

PLAN REF NO		P.I./P.O.T. STATION	COORDINATES		All Coordinates Are Ground Coordinates And All Bearings Are Grid Bearings								G.A.F. = 1.00016
17801	Exst 19th Ave Ramp 'D' Cst ℄ POC	0+00.00	N=971194.488	E=644850.201									
X19D1	Exst 19th Ave Ramp 'D' Cst ℄ PI	0+43.28	N=971202.609	E=644892.715	Simple	Δ=5°45'01"	D=6°38'54"	R=861.81	T=43.28	L=86.49	Ext=1.09	e=NC	SEE SUPERELEVATION DIAGRAM
X19D2	Exst 19th Ave Ramp 'D' Cst ℄ PI	14+52.17	N=971326.970	E=646296.174	Simple	Δ=12°43'11"	D=0°59'59"	R=5731.00	T=638.77	L=1272.29	Ext=35.49	e=0.023⅛	SEE SUPERELEVATION DIAGRAM
17805	Exst 19th Ave Ramp 'D' Cst ℄ POC	20+85.69	N=971241.870	E=646929.251									
18003	Exst 15th Ave Cst ℄ POT	17+28.58	N=971587.648	E=646902.000									
18000	Exst 15th Ave Cst ℄ PI	20+96.68	N=971219.544	E=646902.739									
18004	Exst 15th Ave Cst ℄ POT	22+78.47	N=971037.756	E=646902.681									
19003	Exst 7th Ave Cst ℄ POT	16+00.21	N=971409.711	E=649536.881									
19000	Exst 7th Ave Cst ℄ PI	18+01.99	N=971207.936	E=649537.273									
19004	Exst 7th Ave Cst ℄ POT	26+56.39	N=970353.538	E=649538.133									
19201	Exst 7th Ave Ramp 'A' Cst ℄ POC	0+00.00	N=971342.357	E=647235.715									
X7AA1	Exst 7th Ave Ramp 'A' Cst ℄ PI	2+84.88	N=971304.405	E=647518.054	Simple	Δ=1°54'48"	D=0°20'09"	R=17060.37	T=284.88	L=569.70	Ext=2.38	e=NC	SEE SUPERELEVATION DIAGRAM
X7AA2	Exst 7th Ave Ramp 'A' Cst ℄ PI	16+51.47	N=971167.658	E=648877.835	Simple	Δ=10°26'04"	D=1°09'51"	R=4921.26	T=449.37	L=896.25	Ext=20.47	e=NC	SEE SUPERELEVATION DIAGRAM
19208	Exst 7th Ave Ramp 'A' Cst ℄ POT	21+23.14	N=971206.443	E=649350.409									
19401	Exst 7th Ave Ramp 'B' Cst ℄ POC	0+19.11	N=971192.021	E=647300.089									
X7AB1	Exst 7th Ave Ramp 'B' Cst ℄ PI	1+90.96	N=971169.127	E=647470.405	Simple	Δ=3°20'01"	D=0°58'13"	R=5905.51	T=171.85	L=343.60	Ext=2.50	e=NC	SEE SUPERELEVATION DIAGRAM
X7AB2	Exst 7th Ave Ramp 'B' Cst ℄ PI	18+95.83	N=970844.109	E=649144.100	Simple	Δ=7°49'07"	D=1°20'36"	R=4265.09	T=291.46	L=582.01	Ext=9.95	e=NC	SEE SUPERELEVATION DIAGRAM
19406	Exst 7th Ave Ramp 'B' Cst ℄ POC	21+86.38	N=970827.987	E=649435.109									
19601	Exst 7th Ave Ramp 'C' Cst ℄ POC	0+00.00	N=971195.877	E=649722.346									
X7AC1	Exst 7th Ave Ramp 'C' Cst ℄ PI	3+70.44	N=971197.118	E=650092.785	Simple	Δ=2°35'14"	D=0°20'57"	R=16404.20	T=370.44	L=740.76	Ext=4.18	e=NC	SEE SUPERELEVATION DIAGRAM
X7AC2	Exst 7th Ave Ramp 'C' Cst ℄ PI	16+89.58	N=971141.978	E=651410.895	Simple	Δ=2°57'09"	D=0°41'55"	R=8202.10	T=211.39	L=422.68	Ext=2.72	e=NC	SEE SUPERELEVATION DIAGRAM
19607	Exst 7th Ave Ramp 'C' Cst ℄ POT	19+48.55	N=971144.498	E=651669.943									
19801	Exst 7th Ave Ramp 'D' Cst ℄ POC	0+00.00	N=970807.151	E=649762.373									
X7AD1	Exst 7th Ave Ramp 'D' Cst ℄ PI	2+04.97	N=970823.275	E=649966.705	Simple	Δ=3°58'32"	D=0°58'13"	R=5905.51	T=204.97	L=409.77	Ext=3.56	e=NC	SEE SUPERELEVATION DIAGRAM
X7AD2	Exst 7th Ave Ramp 'D' Cst ℄ PI	13+88.38	N=970997.967	E=651137.324	Simple	Δ=7°48'24"	D=0°58'13"	R=5905.51	T=402.94	L=804.63	Ext=13.73	e=NC	SEE SUPERELEVATION DIAGRAM
19806	Exst 7th Ave Ramp 'D' Cst ℄ POC	17+90.08	N=971002.756	E=651540.234									
28003	Exst 7th Street Cst ℄ POT	10+00.00	N=972110.539	E=654798.850									
28000	Exst 7th Street Cst ℄ PI	18+64.88	N=971245.656	E=654798.808									
28004	Exst 7th Street Cst ℄ POT	28+64.88	N=970245.658	E=654800.988									

CURVE DATA TABLE

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
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DWG NO. C-1.04

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297g04.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE-
LOCATION-
REVISIONS-
FINISHED PLANS-
SURVEY NO.

PLAN REF NO		P.I./P.O.T. STATION	COORDINATES		All Coordinates Are Ground Coordinates And All Bearings Are Grid Bearings								G.A.F. = 1.00016
28201	Exst 7th Street Ramp 'A' Cst ℄ POC	0+00.00	N=971153.441	E=652589.451									
X7SA1	Exst 7th Street Ramp 'A' Cst ℄ PI	2+23.75	N=971155.617	E=652813.192	Simple	Δ=4°20'23"	D=0°58'13"	R=5905.51	T=223.75	L=447.29	Ext=4.24	e=NC	SEE SUPERELEVATION DIAGRAM
28204	Exst 7th Street Ramp 'A' Cst ℄ POT	17+18.38	N=971283.220	E=654302.575									
28401	Exst 7th Street Ramp 'B' Cst ℄ POC	0+00.00	N=971012.378	E=652524.045									
X7SB1	Exst 7th Street Ramp 'B' Cst ℄ PI	2+97.40	N=971015.270	E=652821.428	Simple	Δ=5°45'57"	D=0°58'13"	R=5905.51	T=297.40	L=594.29	Ext=7.48	e=NC	SEE SUPERELEVATION DIAGRAM
X7SB2	Exst 7th Street Ramp 'B' Cst ℄ PI	17+06.71	N=970887.283	E=654225.419	Simple	Δ=6°16'53"	D=0°58'13"	R=5905.51	T=324.04	L=647.43	Ext=8.88	e=NC	SEE SUPERELEVATION DIAGRAM
28406	Exst 7th Street Ramp 'B' Cst ℄ POC	20+30.10	N=970893.349	E=654549.400									
28601	Exst 7th Street Ramp 'C' Cst ℄ POC	0+00.00	N=971278.840	E=655375.541									
X7SC1	Exst 7th Street Ramp 'C' Cst ℄ PI	1+82.04	N=971280.101	E=655557.574	Simple	Δ=3°10'42"	D=0°52'23"	R=6561.68	T=182.04	L=363.98	Ext=2.52	e=NC	SEE SUPERELEVATION DIAGRAM
28604	Exst 7th Street Ramp 'C' Cst ℄ POT	15+43.75	N=971214.019	E=656917.771									
28801	Exst 7th Street Ramp 'D' Cst ℄ POC	0+00.00	N=970897.026	E=655004.979									
X7SD1	Exst 7th Street Ramp 'D' Cst ℄ PI	1+16.24	N=970911.450	E=655120.323	Simple	Δ=2°01'47"	D=0°52'23"	R=6561.98	T=116.24	L=232.46	Ext=1.03	e=NC	SEE SUPERELEVATION DIAGRAM
X7SD2	Exst 7th Street Ramp 'D' Cst ℄ PI	8+51.21	N=971028.425	E=655845.945	Simple	Δ=6°47'36"	D=0°52'23"	R=6561.98	T=389.47	L=778.03	Ext=11.55	e=NC	SEE SUPERELEVATION DIAGRAM
28807	Exst 7th Street Ramp 'D' Cst ℄ POT	17+94.78	N=971067.390	E=656789.627									
4545	Exst 16th Street Cst ℄ POT	7+89.81	N=973919.452	E=659987.313									
4537	Exst 16th Street Cst ℄ PI	18+44.34	N=971285.316	E=659995.124									
4529	Exst 16th Street Cst ℄ POT	44+86.13	N=968643.520	E=659995.661									
29001	Exst Cave Creek Rd Cst ℄ POT	10+00.00	N=973312.492	E=665316.608									
4535	Exst Cave Creek Rd Cst ℄ POT	29+89.90	N=971322.734	E=665340.762									
29201	Exst Cave Creek Rd Ramp 'A' Cst ℄ POC	0+00.00	N=971732.159	E=663480.413									
XCCA1	Exst Cave Creek Rd Ramp 'A' Cst ℄ PI	1+56.78	N=971798.934	E=663622.257	Simple	Δ=2°29'19"	D=0°47'38"	R=7217.85	T=156.78	L=313.50	Ext=1.70	e=NC	SEE SUPERELEVATION DIAGRAM
XCCA2	Exst Cave Creek Rd Ramp 'A' Cst ℄ PI	10+49.70	N=972214.002	E=664412.904	Simple	Δ=13°41'12"	D=1°12'16"	R=4757.22	T=570.91	L=1136.39	Ext=34.13	e=0.024⅛	SEE SUPERELEVATION DIAGRAM
29206	Exst Cave Creek Rd Ramp 'A' Cst ℄ POC	16+15.18	N=972352.230	E=664966.829									
29221	Exst Cave Creek Rd Ramp 'A' SPUI Cst ℄ POC	0+00.00	N=972235.885	E=665343.950									
XCCA3	Exst Cave Creek Rd Ramp 'A' SPUI Cst ℄ PI	2+23.99	N=972459.861	E=665341.231	Simple	Δ=103°18'58"	D=32°20'25"	R=177.17	T=223.99	L=319.47	Ext=108.42	e=NC	SEE SUPERELEVATION DIAGRAM
29223	Exst Cave Creek Rd Ramp 'A' SPUI Cst ℄ POC	3+19.47	N=972405.628	E=665123.902									
29401	Exst Cave Creek Rd Ramp 'B' Cst ℄ POT	0+00.00	N=971499.236	E=663311.307									
XCCB1	Exst Cave Creek Rd Ramp 'B' Cst ℄ PI	15+02.27	N=972014.613	E=664722.403	Simple	Δ=5°51'27"	D=0°52'23"	R=6561.68	T=335.70	L=670.82	Ext=8.58	e=NC	SEE SUPERELEVATION DIAGRAM
29405	Exst Cave Creek Rd Ramp 'B' Cst ℄ POT	18+92.82	N=972110.604	E=665101.578									

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DWG NO. C-1.05

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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

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PLAN REF NO		P.I./P.O.T. STATION	COORDINATES		All Coordinates Are Ground Coordinates And All Bearings Are Grid Bearings								G.A.F. = 1.00016
29421	Exst Cave Creek Rd Ramp 'B' SPUI Cst ℄ POC	0+00.00	N=972114.045	E=665123.192									
XCCB2	Exst Cave Creek Rd Ramp 'B' SPUI Cst ℄ PI	1+18.52	N=972143.131	E=665238.085	Simple	Δ=47°02'25"	D=21°02'26"	R=272.31	T=118.52	L=223.57	Ext=24.67	e=NC	SEE SUPERELEVATION DIAGRAM
XCCB3	Exst Cave Creek Rd Ramp 'B' SPUI Cst ℄ PI	3+66.70	N=972372.514	E=665363.946	Simple	Δ=29°26'56"	D=10°31'13"	R=544.62	T=143.13	L=279.92	Ext=18.49	e=NC	SEE SUPERELEVATION DIAGRAM
29425	Exst Cave Creek Rd Ramp 'B' SPUI Cst ℄ POC	5+03.49	N=972515.630	E=665362.209									
14066	Exst Cave Creek Rd Ramp 'C' Cst ℄ POT	0+00.00	N=972454.287	E=665327.026									
XCCC1	Exst Cave Creek Rd Ramp 'C' Cst ℄ PI	6+85.56	N=972620.273	E=665992.184	Simple	Δ=17°44'01"	D=1°27'19"	R=3937.01	T=614.18	L=1218.54	Ext=47.62	e=0.027⅛	SEE SUPERELEVATION DIAGRAM
29604	Exst Cave Creek Rd Ramp 'C' Cst ℄ POT	19+40.33	N=972538.182	E=667254.116									
29621	Exst Cave Creek Rd Ramp 'C' SPUI Cst ℄ POC	0+00.00	N=972490.737	E=665522.203									
XCCC2	Exst Cave Creek Rd Ramp 'C' SPUI Cst ℄ PI	1+04.26	N=972468.773	E=665420.279	Simple	Δ=46°28'57"	D=23°35'59"	R=242.78	T=104.26	L=196.96	Ext=21.44	e=NC	SEE SUPERELEVATION DIAGRAM
XCCC3	Exst Cave Creek Rd Ramp 'C' SPUI Cst ℄ PI	3+36.43	N=972260.636	E=665293.449	Simple	Δ=32°03'07"	D=11°47'59"	R=485.56	T=139.47	L=271.63	Ext=19.63	e=NC	SEE SUPERELEVATION DIAGRAM
29625	Exst Cave Creek Rd Ramp 'C' SPUI Cst ℄ POC	4+68.59	N=972121.175	E=665295.141									
13025	Exst Cave Creek Rd Ramp 'D' Cst ℄ POT	0+00.00	N=972156.409	E=665330.642									
XCCD1	Exst Cave Creek Rd Ramp 'D' Cst ℄ PI	8+88.44	N=972374.462	E=666191.906	Simple	Δ=12°47'01"	D=0°52'23"	R=6561.68	T=735.07	L=1464.03	Ext=41.04	e=NC	SEE SUPERELEVATION DIAGRAM
29803	Exst Cave Creek Rd Ramp 'D' Cst ℄ POC	16+17.40	N=972392.727	E=666926.744									
29821	Exst Cave Creek Rd Ramp 'D' SPUI Cst ℄ POC	0+00.00	N=972396.129	E=665313.459									
XCCD2	Exst Cave Creek Rd Ramp 'D' SPUI Cst ℄ PI	2+54.71	N=972141.441	E=665316.551	Simple	Δ=102°46'38"	D=28°10'02"	R=203.41	T=254.71	L=364.88	Ext=122.55	e=NC	SEE SUPERELEVATION DIAGRAM
29823	Exst Cave Creek Rd Ramp 'D' SPUI Cst ℄ POC	3+64.88	N=972200.783	E=665564.247									
4547	Exst 32nd Street Cst ℄ POT	4+95.09	N=974000.799	E=670570.062									
4533	Exst 32nd Street Cst ℄ POT	31+40.90	N=971354.997	E=670577.451									
21001	Exst SR51 Ramp 'E-S' Cst ℄ POC	0+00.00	N=969507.208	E=674744.492									
XES-1	Exst SR51 Ramp 'E-S' Cst ℄ PI	2+50.09	N=969756.216	E=674721.268	Simple	Δ=3°45'00"	D=0°45'00"	R=7639.44	T=250.09	L=500.00	Ext=4.09	e=NC	SEE SUPERELEVATION DIAGRAM
XES-2	Exst SR51 Ramp 'E-S' Cst ℄ PI	24+38.44	N=971917.332	E=674375.956	Simple	Δ=63°39'34"	D=3°30'00"	R=1637.02	T=1016.17	L=1818.84	Ext=289.75	e=0.054⅛	SEE SUPERELEVATION DIAGRAM
XES-3	Exst SR51 Ramp 'E-S' Cst ℄ PI	37+70.06	N=972375.842	E=672900.434	Simple	Δ=8°00'02"	D=1°27'19"	R=3937.01	T=275.32	L=549.74	Ext=9.61	e=0.031⅛	SEE SUPERELEVATION DIAGRAM
21009	Exst SR51 Ramp 'E-S' Cst ℄ POC	40+44.48	N=972420.154	E=672628.705									
22001	Exst SR51 Ramp 'N-E' Cst ℄ POT	0+00.00	N=970007.693	E=674919.818									
XNE-1	Exst SR51 Ramp 'N-E' Cst ℄ PI	18+55.09	N=971855.531	E=675083.678	Simple	Δ=71°27'33"	D=5°00'00"	R=1145.92	T=824.32	L=1429.18	Ext=265.69	e=0.060⅛	SEE SUPERELEVATION DIAGRAM
XNE-2	Exst SR51 Ramp 'N-E' Cst ℄ PI	38+07.05	N=972361.457	E=677195.339	Simple	Δ=6°58'11"	D=0°58'13"	R=5905.51	T=359.62	L=718.36	Ext=10.94	e=0.031⅛	SEE SUPERELEVATION DIAGRAM
22007	Exst SR51 Ramp 'N-E' Cst ℄ POC	41+65.79	N=972402.191	E=677552.650									

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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

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SURVEY NO.

All Coordinates Are Ground Coordinates And All Bearings Are Grid Bearings — G.A.F. = 1.00016

PLAN REF NO		P.I./P.O.T. STATION	COORDINATES									
23001	Exst SR51 Ramp 'N-W' Cst ℄ POT	0+00.00	N=969308.261	E=674882.781								
XNW-1	Exst SR51 Ramp 'N-W' Cst ℄ PI	32+77.88	N=972585.568	E=674943.851	Simple	Δ=91°18'51"	D=3°15'00"	R=1762.95	T=1803.85	L=2809.66	Ext=759.33	e=0.052⅛	SEE SUPERELEVATION DIAGRAM
23014	Exst SR51 Ramp 'N-W' Cst ℄ POT	53+59.69	N=972573.177	E=672064.030								
24001	Exst SR51 Ramp 'W-S' Cst ℄ POC	0+00.00	N=968459.713	E=674796.956								
XWS-5	Exst SR51 Ramp 'W-S' Cst ℄ PI	6+50.70	N=969110.298	E=674809.079	Simple	Δ=6°30'00"	D=0°30'00"	R=11459.16	T=650.70	L=1300.00	Ext=18.46	e=NC	SEE SUPERELEVATION DIAGRAM
XWS-6	Exst SR51 Ramp 'W-S' Cst ℄ PI	39+17.26	N=972363.580	E=674499.694	Simple	Δ=90°59'09"	D=3°15'00"	R=1762.95	T=1793.55	L=2799.57	Ext=751.97	e=0.052⅛	SEE SUPERELEVATION DIAGRAM
XWS-7	Exst SR51 Ramp 'W-S' Cst ℄ PI	59+41.53	N=972581.576	E=677303.025	Simple	Δ=5°00'01"	D=0°58'13"	R=5905.51	T=257.86	L=515.39	Ext=5.63	e=0.031⅛	SEE SUPERELEVATION DIAGRAM
24009	Exst SR51 Ramp 'W-S' Cst ℄ POC	61+99.06	N=972579.084	E=677560.872								
25001	Exst SR51 Ramp 'HOV' Cst ℄ POC	0+00.00	N=968759.009	E=674837.540								
XHOV1	Exst SR51 Ramp 'HOV' Cst ℄ PI	6+88.33	N=969447.216	E=674850.364	Simple	Δ=6°52'30"	D=0°30'00"	R=11459.16	T=688.33	L=1375.00	Ext=20.65	e=NC	SEE SUPERELEVATION DIAGRAM
XHOV2	Exst SR51 Ramp 'HOV' Cst ℄ PI	31+69.58	N=971917.383	E=674599.129	Simple	Δ=83°36'33"	D=3°45'00"	R=1527.89	T=1366.31	L=2229.58	Ext=521.80	e=0.055⅛	SEE SUPERELEVATION DIAGRAM
XHOV3	Exst SR51 Ramp 'HOV' Cst ℄ PI	49+53.94	N=972400.702	E=676834.878	Simple	Δ=3°07'27"	D=0°58'32"	R=5873.51	T=160.18	L=320.28	Ext=2.18	e=0.031⅛	SEE SUPERELEVATION DIAGRAM
XHOV4	Exst SR51 Ramp 'HOV' Cst ℄ PI	57+75.04	N=972530.211	E=677645.781	Simple	Δ=8°47'46"	D=0°40'00"	R=8594.37	T=661.00	L=1319.40	Ext=25.38	e=NC	SEE SUPERELEVATION DIAGRAM
25010	Exst SR51 Ramp 'HOV' Cst ℄ POC	64+33.44	N=972533.419	E=678306.774								
3054	Exst Tatum Blvd Cst ℄ POT	5+46.68	N=974002.868	E=681631.528								
3050	Exst Tatum Blvd Cst ℄ POT	31+87.42	N=971362.127	E=681630.559								
36211	Exst Tatum Blvd Ramp 'A' Cst ℄ POT	0+00.00	N=972610.168	E=679653.987								
XTA-1	Exst Tatum Blvd Ramp 'A' Cst ℄ PI	1+63.94	N=972610.963	E=679817.927	Simple	Δ=2°45'18"	D=0°52'23"	R=6561.68	T=157.78	L=315.50	Ext=1.90	e=NC	SEE SUPERELEVATION DIAGRAM
36216	Exst Tatum Blvd Ramp 'A' Cst ℄ POT	19+79.55	N=972707.031	E=681631.052								
36223	Exst Tatum Blvd Ramp 'AA' Cst ℄ POC	0+00.00	N=972438.169	E=681651.784								
XTA-2	Exst Tatum Blvd Ramp 'AA' Cst ℄ PI	2+83.76	N=972721.934	E=681651.888	Simple	Δ=93°03'14"	D=21°17'50"	R=269.03	T=283.76	L=436.93	Ext=121.99	e=NC	SEE SUPERELEVATION DIAGRAM
36221	Exst Tatum Blvd Ramp 'AA' Cst ℄ POC	4+36.93	N=972706.920	E=681368.521								
36411	Exst Tatum Blvd Ramp 'B' Cst ℄ POT	0+00.00	N=972470.068	E=679720.288								
36412	Exst Tatum Blvd Ramp 'B' Cst ℄ POT	19+14.67	N=972345.781	E=681630.920								
36421	Exst Tatum Blvd Ramp 'BB' Cst ℄ POC	0+00.00	N=972361.157	E=681364.227								
XTB-1	Exst Tatum Blvd Ramp 'BB' Cst ℄ PI	1+11.59	N=972353.913	E=681475.586	Simple	Δ=51°11'43"	D=24°35'49"	R=232.94	T=111.59	L=208.14	Ext=25.35	e=NC	SEE SUPERELEVATION DIAGRAM
XTB-2	Exst Tatum Blvd Ramp 'BB' Cst ℄ PI	3+89.33	N=972569.689	E=681673.492	Simple	Δ=42°30'20"	D=12°17'54"	R=465.88	T=181.20	L=345.62	Ext=34.00	e=NC	SEE SUPERELEVATION DIAGRAM
36425	Exst Tatum Blvd Ramp 'BB' Cst ℄ POC	5+53.76	N=972750.885	E=681673.559								

CURVE DATA TABLE

APPENDIX H

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CHECKED	SDW	04-16

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ROADWAY DESIGN SERVICES

GEOMETRIC DATA SHEET

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-1.07

___ OF ___

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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

PLAN REF NO		P.I./P.O.T. STATION	COORDINATES		All Coordinates Are Ground Coordinates And All Bearings Are Grid Bearings								G.A.F. = 1.00016
36611	Exst Tatum Blvd Ramp 'C' Cst ℄ POT	0+00.00	N=972707.031	E=681631.052									
XTC-1	Exst Tatum Blvd Ramp 'C' Cst ℄ PI	8+60.42	N=972752.554	E=682490.271	Simple	Δ=18°42'12"	D=1°35'15"	R=3608.92	T=594.33	L=1178.08	Ext=48.61	e=0.035⅛	SEE SUPERELEVATION DIAGRAM
36616	Exst Tatum Blvd Ramp 'C' Cst ℄ POT	20+63.13	N=972424.842	E=683658.451									
36625	Exst Tatum Blvd Ramp 'CC' Cst ℄ POC	0+00.00	N=972720.743	E=681852.661									
XTC-2	Exst Tatum Blvd Ramp 'CC' Cst ℄ PI	0+81.96	N=972716.407	E=681770.818	Simple	Δ=42°02'44"	D=26°52'02"	R=213.25	T=81.96	L=156.49	Ext=15.21	e=NC	SEE SUPERELEVATION DIAGRAM
XTC-3	Exst Tatum Blvd Ramp 'CC' Cst ℄ PI	3+32.73	N=972533.589	E=681588.499	Simple	Δ=44°54'02"	D=13°26'01"	R=426.51	T=176.23	L=334.24	Ext=34.98	e=NC	SEE SUPERELEVATION DIAGRAM
36621	Exst Tatum Blvd Ramp 'CC' Cst ℄ POC	4+90.73	N=972357.356	E=681588.434									
36811	Exst Tatum Blvd Ramp 'D' Cst ℄ POT	0+00.00	N=972345.781	E=681630.920									
XTD-1	Exst Tatum Blvd Ramp 'D' Cst ℄ PI	13+97.41	N=972449.777	E=683024.458	Simple	Δ=19°16'23"	D=1°44'47"	R=3280.84	T=557.07	L=1103.61	Ext=46.96	e=0.035⅛	SEE SUPERELEVATION DIAGRAM
36815	Exst Tatum Blvd Ramp 'D' Cst ℄ POC	19+43.95	N=972305.548	E=683562.530									
36821	Exst Tatum Blvd Ramp 'DD' Cst ℄ POC	0+00.00	N=972673.410	E=681610.210									
XTD-2	Exst Tatum Blvd Ramp 'DD' Cst ℄ PI	3+43.00	N=972330.408	E=681610.084	Simple	Δ=94°17'20"	D=18°00'14"	R=318.24	T=343.00	L=523.71	Ext=149.66	e=NC	SEE SUPERELEVATION DIAGRAM
36823	Exst Tatum Blvd Ramp 'DD' Cst ℄ POC	5+23.71	N=972355.934	E=681952.135									
3048	Exst 56th Street Cst ℄ POT	13+36.27	N=971356.801	E=686910.296									
3035	Exst 56th Street Cst ℄ POT	39+77.63	N=968715.441	E=686910.089									
35211	Exst 56th St Ramp 'A' Cst ℄ POC	0+00.00	N=971650.707	E=685344.824									
X56A1	Exst 56th St Ramp 'A' Cst ℄ PI	2+73.08	N=971517.219	E=685583.056	Simple	Δ=5°17'43"	D=0°58'13"	R=5905.51	T=273.08	L=545.77	Ext=6.31	e=NC	SEE SUPERELEVATION DIAGRAM
35214	Exst 56th St Ramp 'A' Cst ℄ POT	17+25.14	N=970927.192	E=686910.262									
35411	Exst 56th St Ramp 'B' Cst ℄ POC	0+00.00	N=971464.059	E=685390.666									
X56B1	Exst 56th St Ramp 'B' Cst ℄ PI	2+67.41	N=971333.341	E=685623.953	Simple	Δ=7°10'31"	D=1°20'36"	R=4265.09	T=267.41	L=534.13	Ext=8.37	e=NC	SEE SUPERELEVATION DIAGRAM
X56B2	Exst 56th St Ramp 'B' Cst ℄ PI	12+28.43	N=970762.120	E=686397.647	Simple	Δ=7°14'57"	D=1°27'19"	R=3937.01	T=249.39	L=498.11	Ext=7.89	e=0.027⅛	SEE SUPERELEVATION DIAGRAM
35418	Exst 56th St Ramp 'B' Cst ℄ POT	18+14.90	N=970475.772	E=686910.227									
35611	Exst 56th St Ramp 'C' Cst ℄ POT	0+00.00	N=970915.592	E=686910.262									
X56C1	Exst 56th St Ramp 'C' Cst ℄ PI	4+64.67	N=970678.383	E=687309.825	Simple	Δ=2°34'01"	D=0°22'15"	R=15452.76	T=346.22	L=692.33	Ext=3.88	e=NC	SEE SUPERELEVATION DIAGRAM
X56C2	Exst 56th St Ramp 'C' Cst ℄ PI	21+07.12	N=969777.456	E=688683.272	Simple	Δ=6°47'42"	D=1°00'00"	R=5729.58	T=340.15	L=679.51	Ext=10.09	e=NC	SEE SUPERELEVATION DIAGRAM
35618	Exst 56th St Ramp 'C' Cst ℄ POC	24+46.48	N=969625.849	E=688987.770									
35811	Exst 56th St Ramp 'D' Cst ℄ POT	0+00.00	N=970463.082	E=686910.226									
X56D1	Exst 56th St Ramp 'D' Cst ℄ PI	15+71.02	N=969809.034	E=688338.625	Simple	Δ=3°48'22"	D=0°41'55"	R=8202.10	T=272.53	L=544.86	Ext=4.53	e=NC	SEE SUPERELEVATION DIAGRAM
35815	Exst 56th St Ramp 'D' Cst ℄ POC	18+43.35	N=969679.377	E=688578.335									

CURVE DATA TABLE

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ROADWAY DESIGN SERVICES

GEOMETRIC DATA SHEET

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

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NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-1.08

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297g08.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE-
LOCATION-
REVISIONS-
FINISHED PLANS-
SURVEY NO.

PLAN REF NO		P.I./P.O.T. STATION	COORDINATES		All Coordinates Are Ground Coordinates And All Bearings Are Grid Bearings								G.A.F. = 1.00016
3046	Exst 64th Street Cst ℄ POT	0+00.00	N=970477.453	E=692193.951									
3036	Exst 64th Street Cst ℄ PI	17+66.56	N=968710.898	E=692192.624									
3026	Exst 64th Street Cst ℄ POT	44+08.63	N=966068.821	E=692190.755									
34212	Exst 64th St Ramp 'A' Cst ℄ POC	9+83.50	N=969081.144	E=690273.995									
X64A1	Exst 64th St Ramp 'A' Cst ℄ PI	15+79.69	N=968882.756	E=690836.212	Simple	Δ=11°52'52"	D=1°00'00"	R=5729.58	T=596.19	L=1188.11	Ext=30.94	e=0.027⅛	SEE SUPERELEVATION DIAGRAM
34215	Exst 64th St Ramp 'A' Cst ℄ POT	29+43.70	N=968702.853	E=692192.618									
34412	Exst 64th St Ramp 'B' Cst ℄ POC	8+27.54	N=968859.865	E=690484.157									
X64B1	Exst 64th St Ramp 'B' Cst ℄ PI	9+76.29	N=968813.689	E=690625.556	Simple	Δ=0°59'30"	D=0°20'00"	R=17188.73	T=148.75	L=297.49	Ext=0.64	e=NC	SEE SUPERELEVATION DIAGRAM
34415	Exst 64th St Ramp 'B' Cst ℄ POT	26+34.08	N=968271.854	E=692192.313									
34611	Exst 64th St Ramp 'C' Cst ℄ POT	10+00.00	N=968690.853	E=692192.610									
X64C1	Exst 64th St Ramp 'C' Cst ℄ PI	16+31.94	N=968492.389	E=692792.579	Simple	Δ=2°24'27"	D=0°45'00"	R=7639.44	T=160.52	L=320.98	Ext=1.69	e=NC	SEE SUPERELEVATION DIAGRAM
X64C2	Exst 64th St Ramp 'C' Cst ℄ PI	23+84.17	N=968226.342	E=693496.241	Simple	Δ=6°44'43"	D=1°00'00"	R=5729.58	T=337.65	L=674.53	Ext=9.94	e=NC	SEE SUPERELEVATION DIAGRAM
34619	Exst 64th St Ramp 'C' Cst ℄ POC	27+21.05	N=968144.851	E=693823.914									
34811	Exst 64th St Ramp 'D' Cst ℄ POT	10+00.00	N=968259.854	E=692192.305									
X64D1	Exst 64th St Ramp 'D' Cst ℄ PI	23+00.29	N=968083.957	E=693480.643	Simple	Δ=6°11'29"	D=0°45'00"	R=7639.44	T=413.16	L=825.51	Ext=11.16	e=NC	SEE SUPERELEVATION DIAGRAM
34814	Exst 64th St Ramp 'D' Cst ℄ POC	27+12.64	N=967984.244	E=693881.587									
3037	Exst Scottsdale Rd Cst ℄ POT	4+58.00	N=968706.183	E=697472.132									
3024	Exst Scottsdale Rd Cst ℄ POT	31+00.03	N=966064.157	E=697473.810									
31211	Exst Scottsdale Rd Ramp 'A' Cst ℄ POC	0+00.00	N=967714.230	E=695552.291									
XSA-1	Exst Scottsdale Rd Ramp 'A' Cst ℄ PI	3+70.02	N=967624.929	E=695911.370	Simple	Δ=5°09'57"	D=0°41'55"	R=8202.10	T=370.01	L=739.52	Ext=8.34	e=NC	SEE SUPERELEVATION DIAGRAM
31214	Exst Scottsdale Rd Ramp 'A' Cst ℄ POT	19+49.72	N=967383.183	E=697472.972									
31412	Exst Scottsdale Rd Ramp 'B' Cst ℄ POC	0+00.00	N=967597.212	E=695437.842									
XSB-1	Exst Scottsdale Rd Ramp 'B' Cst ℄ PI	2+00.08	N=967548.924	E=695632.009	Simple	Δ=4°00'00"	D=1°00'00"	R=5729.58	T=200.08	L=400.00	Ext=3.49	e=NC	SEE SUPERELEVATION DIAGRAM
31415	Exst Scottsdale Rd Ramp 'B' Cst ℄ POT	21+35.54	N=966951.883	E=697473.246									
31611	Exst Scottsdale Rd Ramp 'C' Cst ℄ POT	0+00.00	N=967371.193	E=697472.980									
XSC-1	Exst Scottsdale Rd Ramp 'C' Cst ℄ PI	18+61.60	N=966796.982	E=699243.810	Simple	Δ=4°00'00"	D=1°00'00"	R=5729.58	T=200.08	L=400.00	Ext=3.49	e=NC	SEE SUPERELEVATION DIAGRAM
31614	Exst Scottsdale Rd Ramp 'C' Cst ℄ POC	20+61.52	N=966748.694	E=699437.978									

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ROADWAY DESIGN SERVICES

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ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

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4/25/2016 U:\PIMA03\Prod\civ\h8297g09.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE-
LOCATION-
REVISIONS-
FINISHED PLANS-
SURVEY NO.

PLAN REF NO		P.I./P.O.T. STATION	COORDINATES		All Coordinates Are Ground Coordinates And All Bearings Are Grid Bearings								G.A.F. = 1.00016
31811	Exst Scottsdale Rd Ramp 'D' Cst ℄ POT	0+00.00	N=966939.873	E=697473.254									
XSD-1	Exst Scottsdale Rd Ramp 'D' Cst ℄ PI	16+65.91	N=966681.687	E=699119.040	Simple	Δ=5°03'00"	D=1°00'00"	R=5729.58	T=252.67	L=505.01	Ext=5.57	e=0.023⅛	SEE SUPERELEVATION DIAGRAM
31814	Exst Scottsdale Rd Ramp 'D' Cst ℄ POC	19+18.26	N=966620.707	E=699364.239									
3038	Exst Hayden Rd Cst ℄ POT	10+00.00	N=966850.453	E=702755.400									
3022	Exst Hayden Rd Cst ℄ PI	17+88.76	N=966061.688	E=702755.622									
3018	Exst Hayden Rd Cst ℄ POT	44+30.20	N=963420.254	E=702755.510									
32211	Exst Hayden Rd Ramp 'A' Cst ℄ POC	0+00.00	N=966398.720	E=700845.222									
XHA-1	Exst Hayden Rd Ramp 'A' Cst ℄ PI	2+37.79	N=966341.332	E=701075.979	Simple	Δ=4°45'11"	D=1°00'00"	R=5729.58	T=237.79	L=475.30	Ext=4.93	e=0.023⅛	SEE SUPERELEVATION DIAGRAM
32214	Exst Hayden Rd Ramp 'A' Cst ℄ POT	19+39.10	N=966068.903	E=702755.620									
32411	Exst Hayden Rd Ramp 'B' Cst ℄ POC	0+00.00	N=966248.638	E=700860.327									
XHB-1	Exst Hayden Rd Ramp 'B' Cst ℄ PI	3+46.87	N=966164.923	E=701196.944	Simple	Δ=6°55'44"	D=1°00'00"	R=5729.58	T=346.87	L=692.89	Ext=10.49	e=0.023⅛	SEE SUPERELEVATION DIAGRAM
XHB-2	Exst Hayden Rd Ramp 'B' Cst ℄ PI	15+23.14	N=965745.100	E=702296.652	Simple	Δ=8°03'01"	D=1°30'00"	R=3819.72	T=268.78	L=536.68	Ext=9.44	e=0.028⅛	SEE SUPERELEVATION DIAGRAM
32418	Exst Hayden Rd Ramp 'B' Cst ℄ POT	19+92.99	N=965640.453	E=702755.604									
32611	Exst Hayden Rd Ramp 'C' Cst ℄ POT	0+00.00	N=966056.543	E=702755.622									
XHC-1	Exst Hayden Rd Ramp 'C' Cst ℄ PI	9+49.46	N=965842.413	E=703680.624	Simple	Δ=11°29'54"	D=1°00'00"	R=5729.58	T=576.85	L=1149.83	Ext=28.97	e=NC	SEE SUPERELEVATION DIAGRAM
32616	Exst Hayden Rd Ramp 'C' Cst ℄ POT	21+98.19	N=965322.329	E=704820.147									
32811	Exst Hayden Rd Ramp 'D' Cst ℄ POT	0+00.00	N=965628.453	E=702755.604									
XHD-1	Exst Hayden Rd Ramp 'D' Cst ℄ PI	15+09.38	N=965409.502	E=704249.022	Simple	Δ=15°59'58"	D=1°30'00"	R=3819.72	T=536.81	L=1066.63	Ext=37.54	e=0.032⅛	SEE SUPERELEVATION DIAGRAM
32814	Exst Hayden Rd Ramp 'D' Cst ℄ POC	20+39.21	N=965188.254	E=704738.116									
33024	Exst Pima Rd Cst ℄ POT	4+85.40	N=965755.808	E=709039.655									
XPR-1	Exst Pima Rd Cst ℄ PI	18+05.03	N=964436.178	E=709040.913	Simple	Δ=43°00'50"	D=3°10'59"	R=1800.00	T=709.29	L=1351.32	Ext=134.71	e=0.030⅛	SEE SUPERELEVATION DIAGRAM
XPR-2	Exst Pima Rd Cst ℄ PI	27+64.17	N=963685.019	E=708341.444	Simple	Δ=15°26'06"	D=2°26'55"	R=2340.00	T=317.11	L=630.38	Ext=21.39	e=0.030⅛	SEE SUPERELEVATION DIAGRAM
33038	Exst Pima Rd Cst ℄ PI	36+92.91	N=963196.281	E=707547.188									
33040	Exst Pima Rd Cst ℄ PI	40+00.00	N=963035.344	E=707285.648									
33049	Exst Pima Rd Cst ℄ POT	50+22.55	N=962499.457	E=706414.767									
33212	Exst Pima Rd Ramp 'A' Cst ℄ POT	0+00.00	N=964371.514	E=706276.764									
XPA-1	Exst Pima Rd Ramp 'A' Cst ℄ PI	13+22.18	N=963491.316	E=707263.384	Simple	Δ=16°39'25"	D=3°00'00"	R=1909.86	T=279.59	L=555.24	Ext=20.36	e=0.044⅛	SEE SUPERELEVATION DIAGRAM
33217	Exst Pima Rd Ramp 'A' Cst ℄ POT	17+18.25	N=963150.640	E=707473.016									

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TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-1.10

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297g10.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

PLAN REF NO		P.I./P.O.T. STATION	COORDINATES		All Coordinates Are Ground Coordinates And All Bearings Are Grid Bearings								G.A.F. = 1.00016
33412	Exst Pima Rd Ramp 'B' Cst ℄ POC	0+00.00	N=964608.774	E=705734.353									
XPB-1	Exst Pima Rd Ramp 'B' Cst ℄ PI	7+86.83	N=964145.951	E=706370.668	Simple	Δ=23°16'45"	D=1°30'00"	R=3819.72	T=786.83	L=1551.95	Ext=80.20	e=0.032⅛	SEE SUPERELEVATION DIAGRAM
33415	Exst Pima Rd Ramp 'B' Cst ℄ POT	21+90.69	N=962920.049	E=707098.279									

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

CURVE DATA TABLE

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

GEOMETRIC DATA SHEET

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NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-1.11

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297g11.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

PLAN REF NO		P.I./P.O.T. STATION	COORDINATES		All Coordinates Are Ground Coordinates And All Bearings Are Grid Bearings								G.A.F. = 1.00016
51000	I-17 Ramp 'W-S' Cst ℄ PC	1709+20.28	N=971348.695	E=644282.839									
WS-1	I-17 Ramp 'W-S' Cst ℄ PI	1712+06.44	N=971303.534	E=644000.260	Simple	Δ=3°D25'59"	D=0°D36'00"	R=9549.3	T=286.16	L=572.16	Ext=4.29	e=NC	MATCH MAINLINE
51002	I-17 Ramp 'W-S' Cst ℄ PT	1714+92.44	N=971275.374	E=643715.484									
11215	I-17 Ramp 'S-E' Cst ℄ POT	2267+80.69	N=971135.972	E=643968.584									
SE-1	I-17 Ramp 'S-E' Cst ℄ PI	2274+51.38	N=971261.567	E=644627.414	Simple	Δ=6°D07'19"	D=0°D50'00"	R=6875.49	T=367.66	L=734.62	Ext=9.82	e=NC	MATCH MAINLINE
52002	I-17 Ramp 'S-E' Cst ℄ POC	2278+18.34	N=971291.508	E=644993.852									
41601	19th Ave Ramp 'C' Cst ℄ PC	10+00.00	N=971510.590	E=644678.503									
19C1	19th Ave Ramp 'C' Cst ℄ PI	14+38.47	N=971555.449	E=645114.676	Simple	Δ=8°D45'09"	D=1°D00'00"	R=5729.58	T=438.47	L=875.24	Ext=16.75	e=0.020⅛ft	SEE SUPERELEVATION DIAGRAM
19C2	19th Ave Ramp 'C' Cst ℄ PI	23+04.29	N=971511.855	E=645981.097	Simple	Δ=5°D21'28"	D=0°D37'29"	R=9169.56	T=429.04	L=857.46	Ext=10.03	e=0.023⅛ft	MATCH MAINLINE
41605	19th Ave Ramp 'C' Cst ℄ PT	27+32.70	N=971450.378	E=646405.713									
41811	19th Ave Ramp 'D' Cst ℄ POT	10+00.00	N=971172.520	E=644734.186									
19D1	19th Ave Ramp 'D' Cst ℄ PI	12+16.34	N=971227.836	E=644943.339	Simple	Δ=11°D34'42"	D=3°D45'00"	R=1527.89	T=154.91	L=308.76	Ext=7.83	e=0.044⅛ft	SEE SUPERELEVATION DIAGRAM
19D2	19th Ave Ramp 'D' Cst ℄ PI	23+49.34	N=971291.845	E=646075.586	Simple	Δ=6°D21'02"	D=2°D15'00"	R=2546.48	T=141.27	L=282.25	Ext=3.92	e=0.043⅛ft	MATCH MAINLINE
41817	19th Ave Ramp 'D' Cst ℄ PT	24+90.32	N=971284.168	E=646216.647									
42200	7th Ave Ramp 'A' Cst ℄ PC	10+00.00	N=971333.033	E=647401.083									
7AA1	7th Ave Ramp 'A' Cst ℄ PI	11+37.52	N=971314.712	E=647537.375	Simple	Δ=2°D15'52"	D=0°D49'24"	R=6958.49	T=137.52	L=275	Ext=1.36	e=NC	SEE SUPERELEVATION DIAGRAM
7AA2	7th Ave Ramp 'A' Cst ℄ PI	24+35.99	N=971192.700	E=648830.142	Simple	Δ=5°D35'01"	D=1°D15'00"	R=4583.66	T=223.52	L=446.68	Ext=5.45	e=0.021⅛ft	SEE SUPERELEVATION DIAGRAM
42206	7th Ave Ramp 'A' Cst ℄ POT	29+21.79	N=971194.328	E=649316.289									
42400	7th Ave Ramp 'B' Cst ℄ PC	10+00.00	N=971183.662	E=647266.268									
7AB1	7th Ave Ramp 'B' Cst ℄ PI	11+66.73	N=971161.450	E=647431.509	Simple	Δ=3°D20'01"	D=1°D00'00"	R=5729.58	T=166.73	L=333.36	Ext=2.43	e=0.027⅛ft	SEE SUPERELEVATION DIAGRAM
7AB2	7th Ave Ramp 'B' Cst ℄ PI	27+98.04	N=970850.454	E=649033.002	Simple	Δ=7°D49'07"	D=0°D58'20"	R=5893.51	T=402.73	L=804.22	Ext=13.74	e=NC	SEE SUPERELEVATION DIAGRAM
42404	7th Ave Ramp 'B' Cst ℄ PT	31+99.53	N=970828.175	E=649435.120									
42600	7th Ave Ramp 'C' Cst ℄ PT	13+77.00	N=971192.808	E=650099.325									
42601	7th Ave Ramp 'C' Cst ℄ PI	24+63.28	N=971171.482	E=651185.400									
7AC1	7th Ave Ramp 'C' Cst ℄ PI	29+08.78	N=971156.906	E=651630.661	Simple	Δ=2°D25'56"	D=0°D50'00"	R=6875.49	T=145.95	L=291.85	Ext=1.55	e=0.027⅛ft	SEE SUPERELEVATION DIAGRAM
42604	7th Ave Ramp 'C' Cst ℄ PT	30+54.69	N=971158.326	E=651776.603									
42800	7th Ave Ramp 'D' Cst ℄ PT	12+90.83	N=970837.159	E=650051.624									
7AD1	7th Ave Ramp 'D' Cst ℄ PI	24+63.55	N=970986.853	E=651214.748	Simple	Δ=6°D46'35"	D=0°D50'00"	R=6875.49	T=407.06	L=813.18	Ext=12.04	e=NC	MATCH MAINLINE
42803	7th Ave Ramp 'D' Cst ℄ PT	28+69.66	N=970990.812	E=651621.791									

CURVE DATA TABLE

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ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-1.12

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297g12.dgn

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

PLAN REF NO		P.I./P.O.T. STATION	COORDINATES		All Coordinates Are Ground Coordinates And All Bearings Are Grid Bearings								G.A.F. = 1.00016
43200	7th St Ramp 'A' Cst ℄ PC	9+32.04	N= 971165.559	E= 652520.368									
7SA1	7th St Ramp 'A' Cst ℄ PI	11+52.50	N= 971167.703	E= 652740.812	Simple	Δ= 3°40'23"	D= 0°50'00"	R= 6875.49	T= 220.45	L= 440.76	Ext= 3.53	e=NC	MATCH MAINLINE
43202	7th St Ramp 'A' Cst ℄ PT	27+18.38	N= 971283.220	E= 654302.575									
43400	7th St Ramp 'B' Cst ℄ PC	8+76.71	N= 970998.376	E= 652399.472									
7SB1	7th St Ramp 'B' Cst ℄ PI	12+13.32	N= 971001.649	E= 652736.065	Simple	Δ= 4°45'57"	D= 0°42'30"	R= 8088.82	T= 336.61	L= 672.83	Ext= 7.00	e=NC	MATCH MAINLINE
7SB2	7th St Ramp 'B' Cst ℄ PI	27+58.11	N= 970888.250	E= 654277.077	Simple	Δ= 5°16'53"	D= 0°58'13"	R= 5905.51	T= 272.37	L= 544.36	Ext= 6.28	e=NC	MATCH FRONTAGE ROAD
28406	7th St Ramp 'B' Cst ℄ PT	30+30.10	N= 970893.349	E= 654549.400									
43604	7th St Ramp 'C' Cst ℄ PT	10+00.00	N=971278.864	E=655378.868									
7SC1	7th St Ramp 'C' Cst ℄ PI	11+43.12	N=971279.856	E=655521.985	Simple	Δ=2°D37'24"	D=0°D55'00"	R=6250.45	T=143.12	L=286.19	Ext=1.64	e=NC	SEE SUPERELEVATION DIAGRAM
43607	7th St Ramp 'C' Cst ℄ PI	15+72.67	N=971263.165	E=971263.165									
7SC2	7th St Ramp 'C' Cst ℄ PI	25+30.12	N=971238.494	E=971238.494	Simple	Δ=2°D40'27"	D=0°D43'00"	R=7994.76	T=186.59	L=373.12	Ext=2.18	e=NC	MATCH MAINLINE
43610	7th St Ramp 'C' Cst ℄ PT	27+16.65	N=971242.393	E=971242.393									
43809	7th St Ramp 'D' Cst ℄ POT	13+82.42	N=970953.817	E=655383.133									
7SD1	7th St Ramp 'D' Cst ℄ PI	15+00.88	N=970972.670	E=655500.080	Simple	Δ=0°D41'00"	D=0°D52'23"	R=6561.68	T=39.12	L=78.25	Ext=0.12	e=NC	SEE SUPERELEVATION DIAGRAM
7SD2	7th St Ramp 'D' Cst ℄ PI	17+84.63	N=971014.485	E=655780.731	Simple	Δ=6°D06'35"	D=1°D15'00"	R=4583.66	T=244.63	L=488.79	Ext=6.52	e=0.024⅛	SEE SUPERELEVATION DIAGRAM
7SD3	7th St Ramp 'D' Cst ℄ PI	33+98.53	N=971081.092	E=657393.719	Simple	Δ=2°D14'38"	D=0°D50'00"	R=6875.49	T=134.64	L=269.25	Ext=1.32	e=NC	MATCH MAINLINE
43805	7th St Ramp 'D' Cst ℄ PT	35+33.14	N=971081.376	E=657528.363									
44200	Cave Creek Rd Ramp 'A' Cst ℄ PC	10+00.00	N=971449.404	E=662783.793									
CCA1	Cave Creek Rd Ramp 'A' Cst ℄ PI	12+28.90	N=971520.368	E=663001.417	Simple	Δ=7°D25'44"	D=1°D37'30"	R=3525.89	T=228.90	L=457.16	Ext=7.42	e=0.034⅛	SEE SUPERELEVATION DIAGRAM
CCA2	Cave Creek Rd Ramp 'A' Cst ℄ PI	30+02.56	N=972283.923	E=664603.017	Simple	Δ=11°D28'40"	D=1°D15'00"	R=4583.66	T=460.65	L=918.21	Ext=23.09	e=0.024⅛	SEE SUPERELEVATION DIAGRAM
44205	Cave Creek Rd Ramp 'A' Cst ℄ PT	34+60.13	N=972395.454	E=665049.959									
44304	Cave Creek Rd Ramp 'A' SPUI Cst ℄ PC	0+00.00	N=972204.946	E=665344.774									
CCA3	Cave Creek Rd Ramp 'A' SPUI Cst ℄ PI	0+69.74	N=972274.684	E=665343.927	Simple	Δ=23°D52'01"	D=17°D21'44"	R=330.00	T=69.74	L=137.46	Ext=7.29	e=NC	SEE SUPERELEVATION DIAGRAM
CCA4	Cave Creek Rd Ramp 'A' SPUI Cst ℄ PI	2+74.57	N=972462.815	E=665257.943	Simple	Δ=79°D26'57"	D=34°D43'29"	R=165.00	T=137.11	L=228.80	Ext=49.53	e=NC	SEE SUPERELEVATION DIAGRAM
44300	Cave Creek Rd Ramp 'A' SPUI Cst ℄ PT	3+66.26	N=972429.619	E=665124.917									
44400	Cave Creek Rd Ramp 'B' Cst ℄ POT	8+06.42	N=971401.798	E=663141.257									
CCB1	Cave Creek Rd Ramp 'B' Cst ℄ PI	20+85.37	N=971871.688	E=664330.754	Simple	Δ=1°D33'56"	D=0°D52'23"	R=6561.68	T=89.65	L=179.28	Ext=0.61	e=NC	SEE SUPERELEVATION DIAGRAM
44402	Cave Creek Rd Ramp 'B' Cst ℄ POC	21+75.00	N=971902.334	E=664414.999									

CURVE DATA TABLE

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GEOMETRIC DATA SHEET

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

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DWG NO. C-1.13

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297g13.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

PLAN REF NO		P.I./P.O.T. STATION	COORDINATES		All Coordinates Are Ground Coordinates And All Bearings Are Grid Bearings								G.A.F. = 1.00016
44500	Cave Creek Rd Ramp 'B' SPUI Cst ℄ PC	0+00.00	N=972127.724	E=665177.238									
CCB2	Cave Creek Rd Ramp 'B' SPUI Cst ℄ PI	0+85.63	N=972148.740	E=665260.253	Simple	Δ=52°D08'54"	D=32°D44'26"	R=175.00	T=85.63	L=159.28	Ext=19.83	e=NC	SEE SUPERELEVATION DIAGRAM
CCB3	Cave Creek Rd Ramp 'B' SPUI Cst ℄ PI	3+31.81	N=972385.233	E=665363.797	Simple	Δ=24°D20'27"	D=7°D09'43"	R=800.00	T=172.53	L=339.86	Ext=18.39	e=NC	SEE SUPERELEVATION DIAGRAM
44504	Cave Creek Rd Ramp 'B' SPUI Cst ℄ PT	4+99.14	N=972557.753	E=665361.702									
54103	Cave Creek Rd Ramp 'C' Cst ℄ POT	10+00.00	N=972476.894	E=665326.751									
CCC1	Cave Creek Rd Ramp 'C' Cst ℄ PI	13+32.55	N=972557.410	E=665649.405	Simple	Δ=7°D45'43"	D=1°D25'43"	R=4010.70	T=272.09	L=543.34	Ext=9.22	e=0.027⅛ft	SEE SUPERELEVATION DIAGRAM
CCC2	Cave Creek Rd Ramp 'C' Cst ℄ PI	19+14.28	N=972620.827	E=666228.502	Simple	Δ=10°D03'52"	D=1°D37'30"	R=3525.89	T=310.47	L=619.35	Ext=13.64	e=0.030⅛ft	SEE SUPERELEVATION DIAGRAM
CCC3	Cave Creek Rd Ramp 'C' Cst ℄ PI	29+63.77	N=972550.896	E=667277.268	Simple	Δ=4°D05'34"	D=0°D42'51"	R=8021.41	T=286.62	L=573.00	Ext=5.12	e=NC	SEE SUPERELEVATION DIAGRAM
44607	Cave Creek Rd Ramp 'C' Cst ℄ PT	32+50.15	N=972552.286	E=667563.886									
44700	Cave Creek Rd Ramp 'C' SPUI Cst ℄ PC	0+00.00	N=972507.595	E=665493.008									
CCC4	Cave Creek Rd Ramp 'C' SPUI Cst ℄ PI	0+85.81	N=972489.081	E=665409.223	Simple	Δ=52°D14'21"	D=32°D44'26"	R=175.00	T=85.81	L=159.56	Ext=19.90	e=NC	SEE SUPERELEVATION DIAGRAM
CCC5	Cave Creek Rd Ramp 'C' SPUI Cst ℄ PI	3+44.21	N=972244.557	E=665293.639	Simple	Δ=25°D59'43"	D=7°D09'43"	R=800.00	T=184.66	L=362.96	Ext=21.04	e=NC	SEE SUPERELEVATION DIAGRAM
44704	Cave Creek Rd Ramp 'C' SPUI Cst ℄ PT	5+22.52	N=972059.912	E=665295.880									
44800	Cave Creek Rd Ramp 'D' Cst ℄ POC	17+93.00	N=972320.592	E=666106.050									
CCD1	Cave Creek Rd Ramp 'D' Cst ℄ PI	19+84.15	N=972349.249	E=666295.036	Simple	Δ=5°D43'47"	D=1°D30'00"	R=3819.72	T=191.15	L=381.97	Ext=4.78	e=0.028⅛ft	SEE SUPERELEVATION DIAGRAM
CCD2	Cave Creek Rd Ramp 'D' Cst ℄ PI	29+23.72	N=972396.682	E=667233.727	Simple	Δ=2°D36'53"	D=0°D50'00"	R=6875.49	T=156.91	L=313.77	Ext=1.79	e=NC	SEE SUPERELEVATION DIAGRAM
44805	Cave Creek Rd Ramp 'D' Cst ℄ PT	30+80.57	N=972397.444	E=667390.636									
44904	Cave Creek Rd Ramp 'D' SPUI Cst ℄ PC	0+00.00	N=972422.151	E=665312.695									
CCD3	Cave Creek Rd Ramp 'D' SPUI Cst ℄ PI	0+74.28	N=972347.873	E=665313.596	Simple	Δ=25°D22'18"	D=17°D21'44"	R=330.00	T=74.28	L=146.13	Ext=8.26	e=NC	SEE SUPERELEVATION DIAGRAM
CCD4	Cave Creek Rd Ramp 'D' SPUI Cst ℄ PI	2+78.99	N=972161.805	E=665404.618	Simple	Δ=77°D40'51"	D=34°D43'29"	R=165.00	T=132.86	L=223.70	Ext=46.84	e=NC	SEE SUPERELEVATION DIAGRAM
44900	Cave Creek Rd Ramp 'D' SPUI Cst ℄ PT	3+69.84	N=972193.379	E=665533.667									
21500	SR 51 Ramp 'E-S' Cst ℄ PC	43+17.26	N=972241.477	E=673332.831									
ES-1	SR 51 Ramp 'E-S' Cst ℄ PI	48+38.10	N=972396.035	E=672835.452	Simple	Δ=15°D04'20"	D=1°D27'19"	R=3937.01	T=520.84	L=1035.67	Ext=34.30	e=0.031⅛ft	SEE SUPERELEVATION DIAGRAM
21502	SR 51 Ramp 'E-S' Cst ℄ PT	53+52.93	N=972415.939	E=672314.992									
24500	SR 51 Ramp 'W-S' Cst ℄ POT	68+12.35	N=972570.162	E=677174.333									
24501	SR 51 Ramp 'W-S' Cst ℄ POT	72+24.61	N=972593.162	E=677585.950									
45200	Tatum Blvd Ramp 'A' Cst ℄ PC	9+02.22	N=972622.480	E=679555.532									
TA1	Tatum Blvd Ramp 'A' Cst ℄ PI	10+22.53	N=972623.064	E=679675.838	Simple	Δ=2°D00'18"	D=0°D50'00"	R=6875.49	T=120.31	L=240.59	Ext=1.05	e=NC	SEE SUPERELEVATION DIAGRAM
45203	Tatum Blvd Ramp 'A' Cst ℄ POT	25+20.00	N=972682.716	E=681172.147									

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GEOMETRIC DATA SHEET

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101L MA 23

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PLAN REF NO		P.I./P.O.T. STATION	COORDINATES		All Coordinates Are Ground Coordinates And All Bearings Are Grid Bearings								G.A.F. = 1.00016
45304	Tatum Blvd Ramp 'A' SPUI Cst ℄ PC	0+00.00	N=972414.051	E=681651.775									
TA2	Tatum Blvd Ramp 'A' SPUI Cst ℄ PI	1+30.14	N=972544.191	E=681651.823	Simple	Δ=36°D02'40"	D=14°D19'26"	R=400.00	T=130.14	L=251.64	Ext=20.64	e=NC	SEE SUPERELEVATION DIAGRAM
TA3	Tatum Blvd Ramp 'A' SPUI Cst ℄ PI	3+33.10	N=972715.327	E=681527.378	Simple	Δ=57°D00'34"	D=38°D11'50"	R=150.00	T=81.46	L=149.25	Ext=20.69	e=NC	SEE SUPERELEVATION DIAGRAM
45300	Tatum Blvd Ramp 'A' SPUI Cst ℄ PT	4+00.89	N=972711.017	E=681446.032									
45400	Tatum Blvd Ramp 'B' Cst ℄ PC	7+32.38	N=972467.978	E=679452.417									
TB1	Tatum Blvd Ramp 'B' Cst ℄ PI	10+11.55	N=972469.333	E=679731.589	Simple	Δ=4°D00'00"	D=0°D43'00"	R=7994.76	T=279.18	L=558.13	Ext=4.87	e=NC	MATCH MAINLINE
45402	Tatum Blvd Ramp 'B' Cst ℄ PT	12+90.50	N=972451.210	E=680010.177									
45600	Tatum Blvd Ramp 'C' Cst ℄ POC	18+10.87	N=972708.841	E=682440.896									
TC1	Tatum Blvd Ramp 'C' Cst ℄ PI	22+25.26	N=972668.288	E=682853.294	Simple	Δ=10°D19'54"	D=1°D15'00"	R=4583.66	T=414.39	L=826.53	Ext=18.69	e=0.035⅛	SEE SUPERELEVATION DIAGRAM
45603	Tatum Blvd Ramp 'C' Cst ℄ POT	30+89.80	N=972430.130	E=683686.724									
45700	Tatum Blvd Ramp 'C' SPUI Cst ℄ PC	0+00.00	N=972718.733	E=681814.691									
TC2	Tatum Blvd Ramp 'C' SPUI Cst ℄ PI	1+04.20	N=972713.220	E=681710.641	Simple	Δ=61°D32'22"	D=32°D44'26"	R=175.00	T=104.20	L=187.96	Ext=28.67	e=NC	SEE SUPERELEVATION DIAGRAM
TC3	Tatum Blvd Ramp 'C' SPUI Cst ℄ PI	3+68.30	N=972456.251	E=681588.471	Simple	Δ=25°D24'24"	D=7°D09'43"	R=800.00	T=180.34	L=354.74	Ext=20.07	e=NC	SEE SUPERELEVATION DIAGRAM
45704	Tatum Blvd Ramp 'C' SPUI Cst ℄ PT	5+42.71	N=972275.914	E=681588.404									
45800	Tatum Blvd Ramp 'D' Cst ℄ POT	16+96.00	N=972397.577	E=682324.990									
TD1	Tatum Blvd Ramp 'D' Cst ℄ PI	24+31.83	N=972452.338	E=683058.783	Simple	Δ=21°D29'17"	D=1°D30'00"	R=3819.72	T=724.78	L=1432.54	Ext=68.16	e=0.032⅛	SEE SUPERELEVATION DIAGRAM
45803	Tatum Blvd Ramp 'D' Cst ℄ PT	31+39.59	N=972237.770	E=683751.078									
46200	56th St Ramp 'A' Cst ℄ PC	9+61.35	N=971681.315	E=685316.366									
56A1	56th St Ramp 'A' Cst ℄ PI	12+34.20	N=971547.938	E=685554.397	Simple	Δ=4°D32'43"	D=0°D50'00"	R=6875.49	T=272.85	L=545.42	Ext=5.41	e=NC	SEE SUPERELEVATION DIAGRAM
46203	56th St Ramp 'A' Cst ℄ POT	24+89.00	N=971023.120	E=686694.483									
46400	56th St Ramp 'B' Cst ℄ PC	8+59.82	N=971522.259	E=685260.635									
56B1	56th St Ramp 'B' Cst ℄ PI	12+03.79	N=971354.119	E=685560.707	Simple	Δ=5°D43'41"	D=0°D50'00"	R=6875.49	T=343.97	L=687.37	Ext=8.60	e=0.023⅛	SEE SUPERELEVATION DIAGRAM
56B2	56th St Ramp 'B' Cst ℄ PI	20+88.74	N=970846.315	E=686286.159	Simple	Δ=0°D17'55"	D=1°D27'19"	R=3937.01	T=10.26	L=20.51	Ext=0.01	e=0.027⅛	SEE SUPERELEVATION DIAGRAM
46404	56th St Ramp 'B' Cst ℄ POC	20+99.00	N=970840.477	E=686294.592									
46600	56th St Ramp 'C' Cst ℄ POT	16+16.49	N=970594.022	E=687436.205									
56C1	56th St Ramp 'C' Cst ℄ PI	32+07.57	N=969738.133	E=688777.463	Simple	Δ=6°D59'20"	D=0°D50'00"	R=6875.49	T=419.85	L=838.66	Ext=12.81	e=0.023⅛	SEE SUPERELEVATION DIAGRAM
46603	56th St Ramp 'C' Cst ℄ PT	36+26.38	N=969557.025	E=689156.241									
46800	56th St Ramp 'D' Cst ℄ POT	13+55.00	N=970315.288	E=687232.998									
56D1	56th St Ramp 'D' Cst ℄ PI	26+22.63	N=969772.507	E=688378.541	Simple	Δ=2°D58'09"	D=0°D37'30"	R=9167.32	T=237.58	L=475.05	Ext=3.08	e=NC	SEE SUPERELEVATION DIAGRAM
46803	56th St Ramp 'D' Cst ℄ PT	28+60.10	N=969659.796	E=688587.680									

CURVE DATA TABLE

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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ROADWAY DESIGN SERVICES

GEOMETRIC DATA SHEET

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-1.15

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297g15.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

PLAN REF NO		P.I./P.O.T. STATION	COORDINATES		All Coordinates Are Ground Coordinates And All Bearings Are Grid Bearings								G.A.F. = 1.00016
47200	64th St Ramp 'A' Cst ℄ PC	19+09.95	N=969117.830	E=690206.933									
64A1	64th St Ramp 'A' Cst ℄ PI	26+17.67	N=968877.911	E=690872.741	Simple	Δ=12°D15'40"	D=0°D52'10"	R=6589.01	T=707.72	L=1410.03	Ext=37.90	e=0.021⅛	SEE SUPERELEVATION DIAGRAM
47202	64th St Ramp 'A' Cst ℄ PT	33+19.98	N=968784.860	E=691574.314									
47400	64th St Ramp 'B' Cst ℄ POT	17+63.26	N=968868.596	E=690419.250									
47401	64th St Ramp 'B' Cst ℄ POT	30+88.26	N=968450.248	E=691676.472									
47600	64th St Ramp 'C' Cst ℄ PT	26+12.00	N=968497.427	E=692773.232									
64C1	64th St Ramp 'C' Cst ℄ PI	34+26.58	N=968227.417	E=693541.762	Simple	Δ=5°D23'32"	D=0°D50'00"	R=6875.49	T=323.77	L=647.06	Ext=7.62	e=0.023⅛	SEE SUPERELEVATION DIAGRAM
47603	64th St Ramp 'C' Cst ℄ PT	37+49.88	N=968149.277	E=693855.963									
47800	64th St Ramp 'D' Cst ℄ POT	21+32.00	N=968241.997	E=692323.092									
64D1	64th St Ramp 'D' Cst ℄ PI	33+33.87	N=968063.842	E=693511.682	Simple	Δ=5°D26'29"	D=0°D50'00"	R=6875.49	T=326.73	L=652.96	Ext=7.76	e=NC	SEE SUPERELEVATION DIAGRAM
47803	64th St Ramp 'D' Cst ℄ PT	36+60.10	N=967984.989	E=693828.749									
48200	Scottsdale Rd Ramp 'A' Cst ℄ PC	7+77.56	N=967780.584	E=695338.477									
SA1	Scottsdale Rd Ramp 'A' Cst ℄ PI	15+12.55	N=967603.198	E=696051.744	Simple	Δ=5°D09'57"	D=0°D21'06"	R=16292.64	T=734.99	L=1468.99	Ext=16.57	e=NC	SEE SUPERELEVATION DIAGRAM
48202	Scottsdale Rd Ramp 'A' Cst ℄ PT	22+46.55	N=967490.756	E=696778.086									
48400	Scottsdale Rd Ramp 'B' Cst ℄ PC	9+15.29	N=967606.195	E=695351.874									
SB1	Scottsdale Rd Ramp 'B' Cst ℄ PI	11+10.34	N=967559.121	E=695541.161	Simple	Δ=3°D15'00"	D=0°D50'00"	R=6875.49	T=195.05	L=390.00	Ext=2.77	e=0.023⅛	SEE SUPERELEVATION DIAGRAM
48403	Scottsdale Rd Ramp 'B' Cst ℄ POT	25+10.00	N=967144.831	E=696878.207									
48600	Scottsdale Rd Ramp 'C' Cst ℄ POT	15+00.00	N=967216.968	E=697948.600									
SC1	Scottsdale Rd Ramp 'C' Cst ℄ PI	29+63.69	N=966783.758	E=699346.709	Simple	Δ=3°D15'00"	D=0°D50'00"	R=6875.49	T=195.05	L=390.00	Ext=2.77	e=NC	SEE SUPERELEVATION DIAGRAM
48603	Scottsdale Rd Ramp 'C' Cst ℄ PT	31+58.63	N=966736.683	E=699535.996									
48800	Scottsdale Rd Ramp 'D' Cst ℄ POT	13+82.00	N=966880.670	E=697850.638									
SD1	Scottsdale Rd Ramp 'D' Cst ℄ PI	27+29.27	N=966654.464	E=699178.782	Simple	Δ=4°D18'00"	D=0°D50'00"	R=6875.49	T=258.13	L=516.01	Ext=4.84	e=NC	SEE SUPERELEVATION DIAGRAM
48803	Scottsdale Rd Ramp 'D' Cst ℄ PT	29+87.15	N=966592.167	E=699429.278									
49200	Hayden Rd Ramp 'A' Cst ℄ PC	10+97.32	N=966387.011	E=700942.024									
HA1	Hayden Rd Ramp 'A' Cst ℄ PI	13+82.66	N=966318.145	E=701218.933	Simple	Δ=4°D45'11"	D=0°D50'00"	R=6875.49	T=285.34	L=570.36	Ext=5.92	e=NC	SEE SUPERELEVATION DIAGRAM
49203	Hayden Rd Ramp 'A' Cst ℄ POT	22+31.01	N=966182.270	E=702056.664									

CURVE DATA TABLE

APPENDIX H

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TRANSPORTATION
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ROADWAY DESIGN SERVICES

GEOMETRIC DATA SHEET

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-1.16

TRACS NO. H8297 01L

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4/25/2016 U:\PIMA03\Prod\civ\h8297g16.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

PLAN REF NO		P.I./P.O.T. STATION	COORDINATES		All Coordinates Are Ground Coordinates And All Bearings Are Grid Bearings								G.A.F. = 1.00016
49400	Hayden Rd Ramp 'B' Cst ℄ PC	9+29.43	N=966254.387	E=700787.487									
HB1	Hayden Rd Ramp 'B' Cst ℄ PI	12+75.58	N=966170.845	E=701123.409	Simple	Δ=5°D45'52"	D=0°D50'00"	R=6875.49	T=346.15	L=691.73	Ext=8.71	e=0.023⅛	SEE SUPERELEVATION DIAGRAM
HB2	Hayden Rd Ramp 'B' Cst ℄ PI	23+42.00	N=965810.635	E=702127.768	Simple	Δ=0°D18'00"	D=1°D30'00"	R=3819.72	T=10.00	L=20.00	Ext=0.01	e=0.028⅛	SEE SUPERELEVATION DIAGRAM
49404	Hayden Rd Ramp 'B' Cst ℄ POC	23+52.00	N=965807.308	E=702137.198									
32612	Hayden Rd Ramp 'C' Cst ℄ POT	13+72.61	N=965972.509	E=703118.634									
HC1	Hayden Rd Ramp 'C' Cst ℄ PI	20+35.78	N=965822.947	E=703764.714	Simple	Δ=11°D45'03"	D=1°D00'00"	R=5729.58	T=589.61	L=1175.09	Ext=30.26	e=0.027⅛	SEE SUPERELEVATION DIAGRAM
49603	Hayden Rd Ramp 'C' Cst ℄ POT	32+25.35	N=965322.530	E=704848.473									
49800	Hayden Rd Ramp 'D' Cst ℄ PC	16+40.00	N=965535.615	E=703388.834									
HD1	Hayden Rd Ramp 'D' Cst ℄ PI	19+83.20	N=965485.829	E=703728.408	Simple	Δ=5°D08'41"	D=0°D45'00"	R=7639.44	T=343.20	L=685.95	Ext=7.71	e=NC	SEE SUPERELEVATION DIAGRAM
HD2	Hayden Rd Ramp 'D' Cst ℄ PI	27+03.42	N=965317.770	E=704429.216	Simple	Δ=11°D17'15"	D=1°D30'00"	R=3819.72	T=377.47	L=752.50	Ext=18.61	e=0.032⅛	SEE SUPERELEVATION DIAGRAM
49804	Hayden Rd Ramp 'D' Cst ℄ PT	30+78.45	N=965159.600	E=704771.952									
50200	Pima Rd Ramp 'A' Cst ℄ POT	9+72.66	N=964397.039	E=706266.098									
PA1	Pima Rd Ramp 'A' Cst ℄ PI	22+61.43	N=963543.210	E=707231.452	Simple	Δ=16°D54'09"	D=3°D00'00"	R=1909.86	T=283.77	L=563.41	Ext=20.97	e=0.044⅛	SEE SUPERELEVATION DIAGRAM
33216	Pima Rd Ramp 'A' Cst ℄ POT	25+97.83	N=963253.196	E=707409.909									
50400	Pima Rd Ramp 'B' Cst ℄ PC	9+69.75	N=964619.839	E=705698.549									
PB1	Pima Rd Ramp 'B' Cst ℄ PI	15+90.49	N=964257.876	E=706202.824	Simple	Δ=18°D27'38"	D=1°D30'00"	R=3819.72	T=620.73	L=1230.71	Ext=50.11	e=0.037⅛	SEE SUPERELEVATION DIAGRAM
PB2	Pima Rd Ramp 'B' Cst ℄ PI	25+45.93	N=963474.905	E=706768.954	Simple	Δ=5°D10'43"	D=0°D45'00"	R=7639.44	T=345.47	L=690.47	Ext=7.81	e=NC	SEE SUPERELEVATION DIAGRAM
50404	Pima Rd Ramp 'B' Cst ℄ PT	28+90.93	N=963177.824	E=706945.281									
54000	WB Frontage Rd Cst ℄ PC	2318+14.40	N=971562.064	E=645061.702									
WBFR1	WB Frontage Rd Cst ℄ PI	2320+28.23	N=971583.940	E=645274.410	Simple	Δ=9°D46'39"	D=2°D17'31"	R=2500	T=213.83	L=426.62	Ext=9.13	e=0.044⅛	SEE SUPERELEVATION DIAGRAM
54003	WB Frontage Rd Cst ℄ PI	2325+54.93	N=971547.996	E=645800.926									
54004	WB Frontage Rd Cst ℄ POT	2332+39.93	N=971492.399	E=646483.666									
14063	WB Frontage Rd Cst ℄ POT	1518+59.06	N=972033.374	E=663941.278									
WBFR2	WB Frontage Rd Cst ℄ PI	1522+88.75	N=972226.895	E=664324.925	Simple	Δ=12°D45'21"	D=1°D45'00"	R=3274.04	T=365.97	L=728.91	Ext=20.39	e=0.027⅛	SEE SUPERELEVATION DIAGRAM
54103	WB Frontage Rd Cst ℄ POT	1533+18.27	N=972476.894	E=665326.751									
53000	EB Frontage Rd Cst ℄ POC	2333+20.59	N=971191.031	E=646563.747									
EBFR1	EB Frontage Rd Cst ℄ PI	2336+34.17	N=971189.625	E=646877.327	Simple	Δ=7°D23'56"	D=1°D10'53"	R=4850.00	T=313.58	L=626.29	Ext=10.13	e=NC	SEE SUPERELEVATION DIAGRAM
EBFR2	EB Frontage Rd Cst ℄ PI	2342+52.10	N=971107.188	E=647490.614	Simple	Δ=3°D20'02"	D=0°D52'05"	R=6600.00	T=192.07	L=384.03	Ext=2.79	e=NC	SEE SUPERELEVATION DIAGRAM
EBFR3	EB Frontage Rd Cst ℄ PI	2355+64.28	N=970857.026	E=648778.834	Simple	Δ=6°D09'52"	D=1°D00'06"	R=5208.71	T=280.47	L=560.39	Ext=7.55	e=NC	SEE SUPERELEVATION DIAGRAM
53009	EB Frontage Rd Cst ℄ POT	2360+50.00	N=970816.123	E=649263.372									

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ROADWAY DESIGN SERVICES

GEOMETRIC DATA SHEET

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

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DWG NO. C-1.17

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297g17.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE-
LOCATION-
REVISIONS-
FINISHED PLANS-
SURVEY NO.

PLAN REF NO		P.I./P.O.T. STATION	COORDINATES	
53100	EB Frontage Rd Cst ℄ POT	1505+44.86	N=971201.486	E=662717.146
53101	EB Frontage Rd Cst ℄ POT	1519+15.35	N=971693.033	E=663996.452

All Coordinates Are Ground Coordinates And All Bearings Are Grid Bearings

G.A.F. = 1.00016

DATE-
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GEOMETRIC DATA SHEET

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ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-1.18

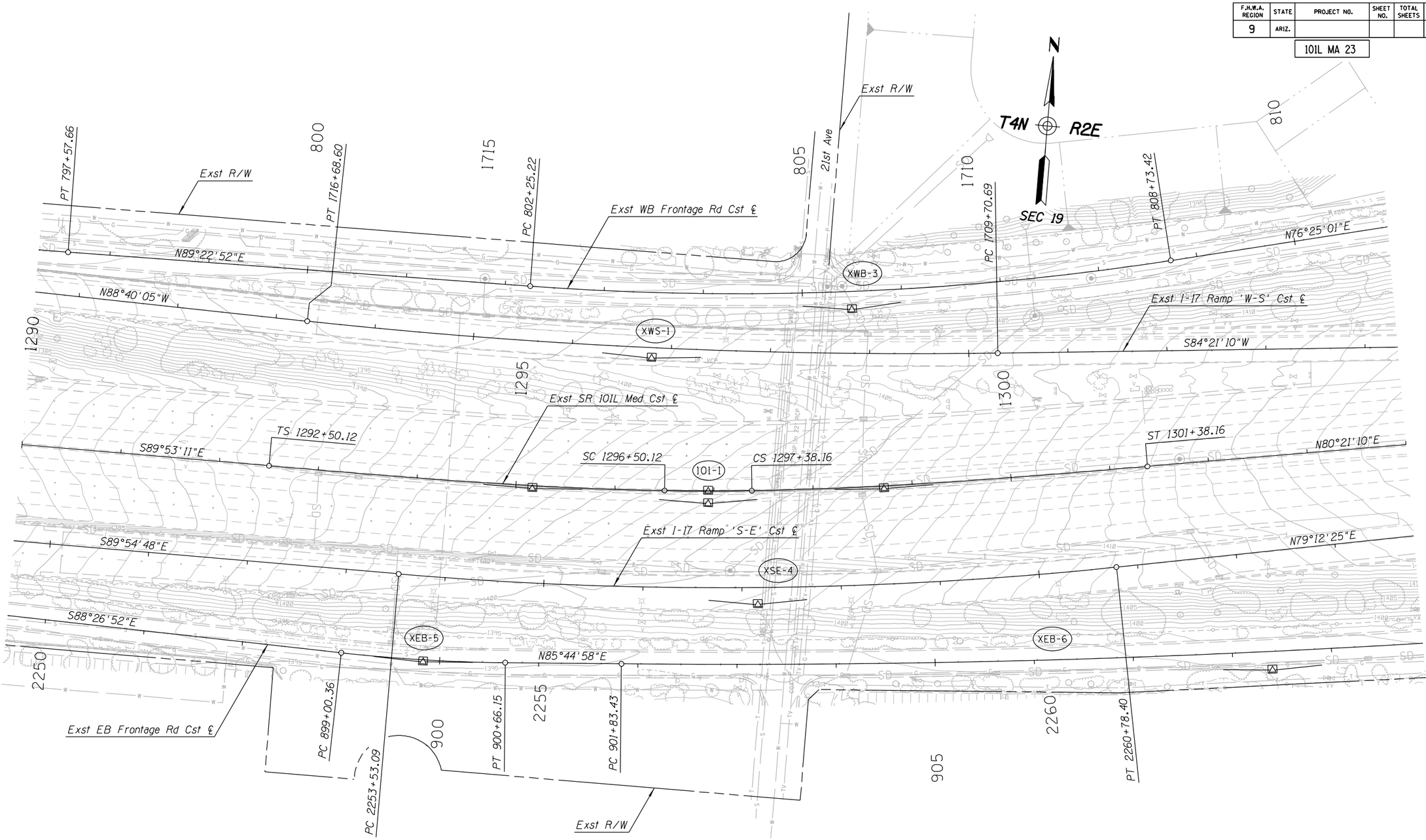
TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297g18.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



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ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1290+00 to Sta 1304+00

DCR

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ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.01

TRACS NO. H8297 01L

___ OF ___

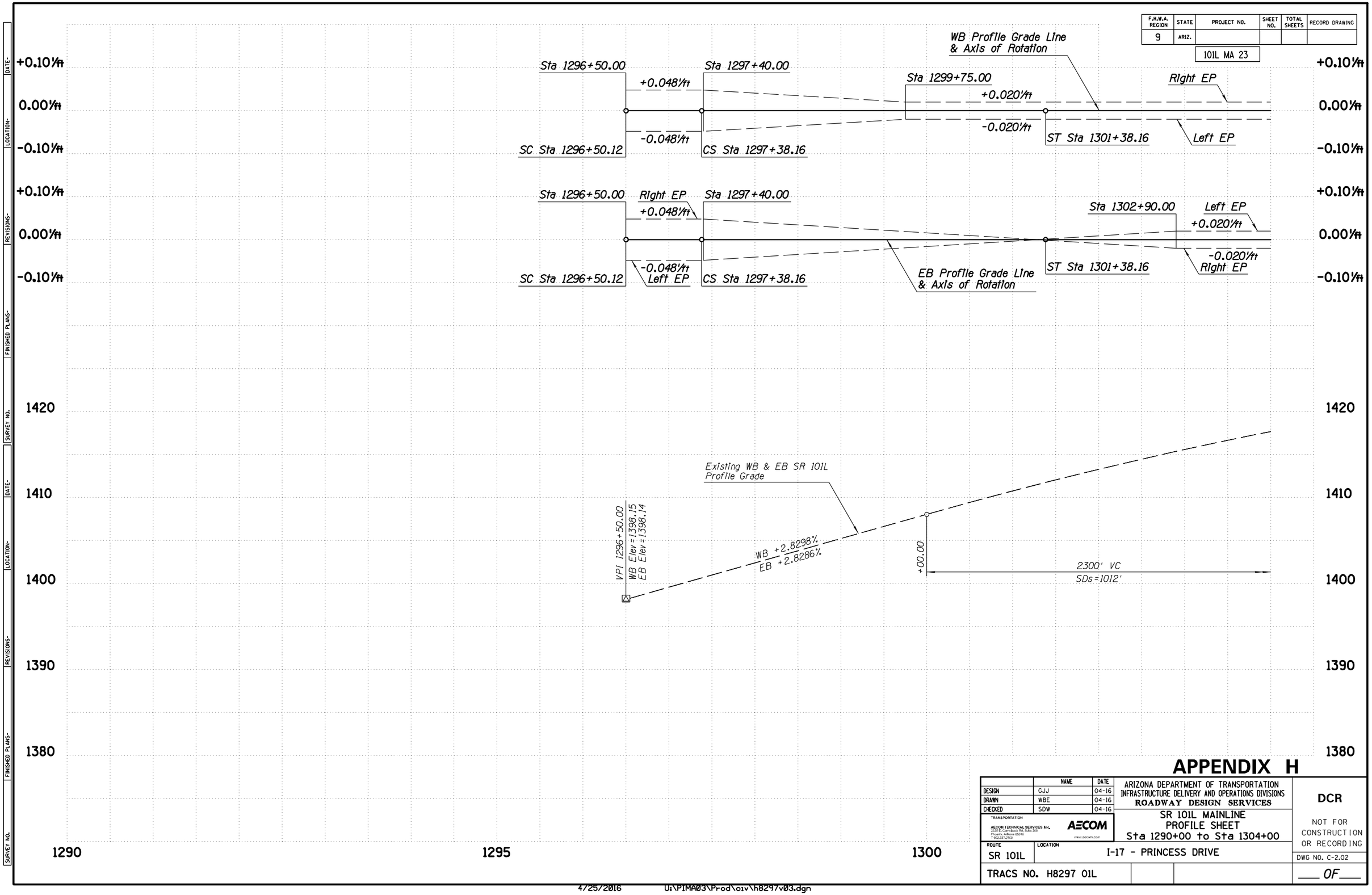
SURVEY NO. | DATE- | LOCATION- | REVISIONS- | FINISHED PLANS-

4/25/2016 U:\PIMA03\Prod\civ\h8297p03.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



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www.aecom.com

SR 101L MAINLINE
PROFILE SHEET
Sta 1290+00 to Sta 1304+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

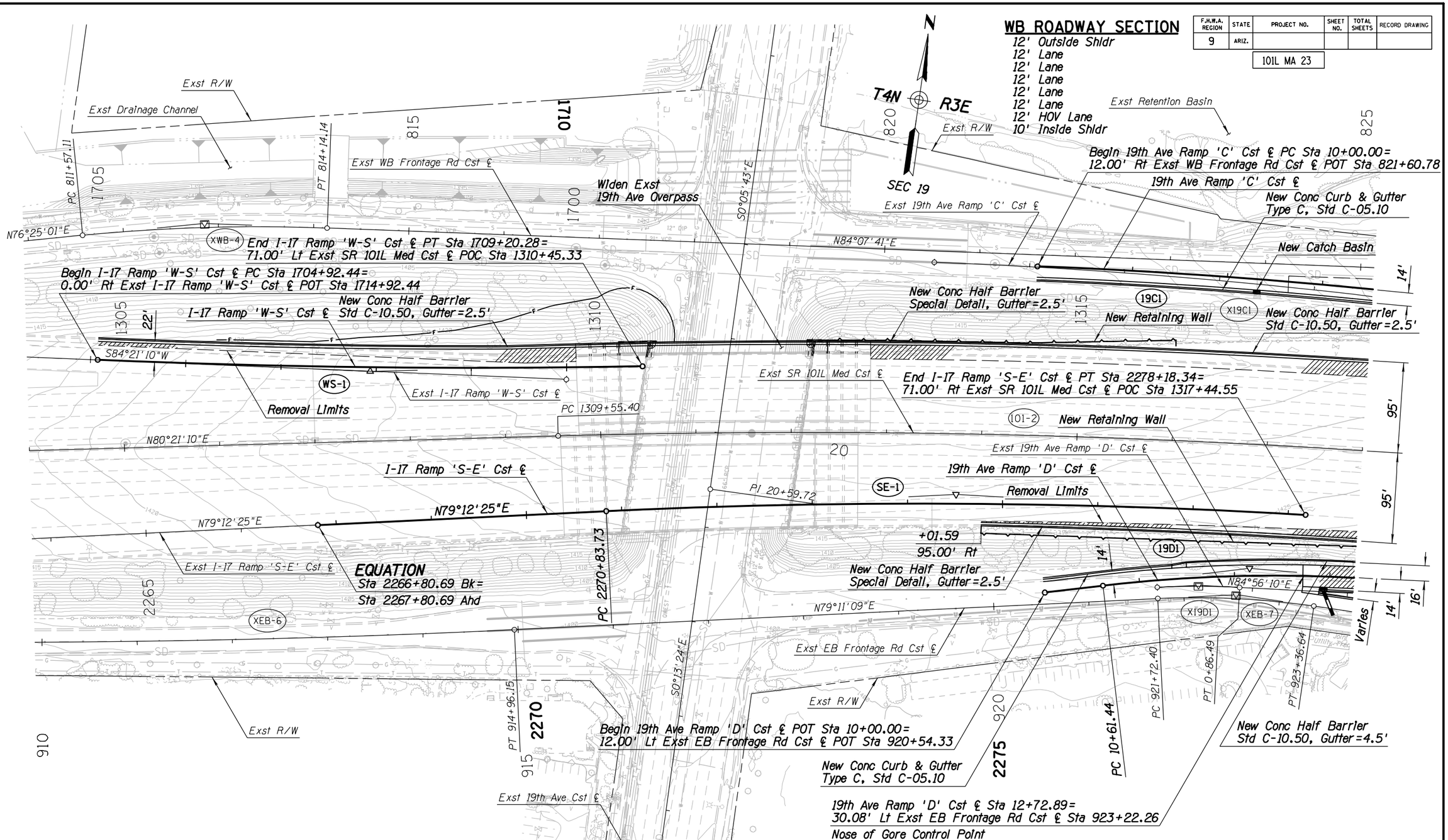
DWG NO. C-2.02

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v03.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



WB ROADWAY SECTION

12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2325 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.337.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1304+00 to Sta 1318+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.03

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297p04.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.

WB Profile Grade Line & Axis of Rotation

+0.10'/ft
0.00'/ft
-0.10'/ft

Sta 1305+95.00 | PC Sta 1309+55.40 | Sta 1310+45.00 | Left EP | +0.023'/ft | -0.023'/ft | Right EP

EB Profile Grade Line & Axis of Rotation

+0.10'/ft
0.00'/ft
-0.10'/ft

Sta 1309+60.00 | Sta 1310+45.00 | Left EP | +0.023'/ft | -0.023'/ft | Right EP | PC Sta 1309+55.40

WB +2.8298%
EB +2.8286%

WB -2.0088%
EB -2.0209%

WB & EB
VPI 1311+50.00
WB Elev=1440.60
EB Elev=1440.57
Corr = -13.94'

1440
1430
1420
1410
1400

Existing WB & EB SR 101L Profile Grade

Existing Ground Line

2300' VC
SDs=1012'

Exst 19th Ave Cst ℄

1315
1305
1310

APPENDIX H

	NAME	DATE
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DRAWN	WBE	04-16
CHECKED	SDW	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

TRANSPORTATION
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2555 E. Camelback Rd, Suite 300
Phoenix, Arizona 85016
T 602.371.2700
AECOM
www.aecom.com

SR 101L MAINLINE
PROFILE SHEET
Sta 1304+00 to Sta 1318+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.04

TRACS NO. H8297 01L

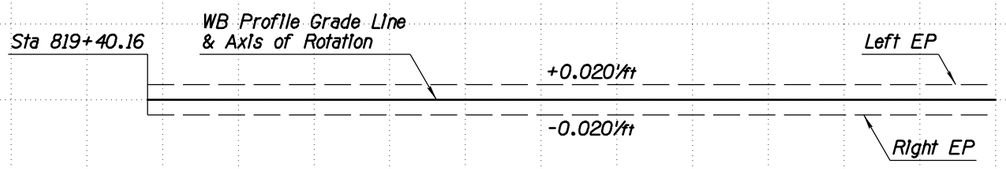
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v04.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2200 E. Camelback Rd, Suite 200
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 811+00 to Sta 825+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.05

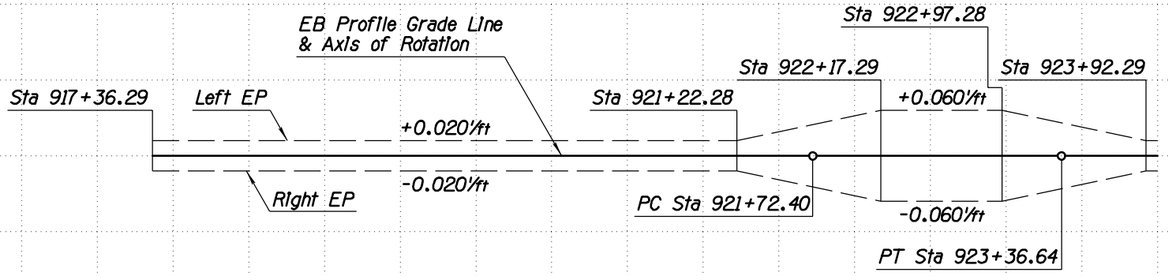
TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v65.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST EASTBOUND FRONTAGE RD
PROFILE SHEET
Sta 910+00 to Sta 924+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.06

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v84.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

19th Ave Ramp 'C' Cst ℄ 13+71.07=
24.01' Rt Exst WB Frontage Rd Cst ℄ Sta 825+31.59
Nose of Gore Control Point
Begin WB Frontage Rd Cst ℄ PC Sta 2318+14.40=
0.00' Rt Exst WB Frontage Rd Cst ℄ POT Sta 825+47.24

Exst Retention Basin
New Conc Half Barrier
Std C-10.50, Gutter=4.5'
New Conc Curb & Gutter
Type C, Std C-05.10
PC 825+58.15
PT 829+07.25
Exst WB Frontage Rd Cst ℄
PT 2322+41.02
XWB-5
WBFR1
N84°07'41"E
14'
New Conc Curb & Gutter
Type C, Std C-05.10
19C1
X19C1
PCC 18+75.24
Exst 19th Ave Ramp 'C' Cst ℄
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
95'

New Conc Curb & Gutter
Std C-05.10, Type D, h=7"
New Conc Half Barrier
Special Detail, Gutter=4.5'
PT 11+14.11
17th Dr
PI 2325+54.93
EQUATION
PI Sta 833+40.78 Bk =
PI Sta 1326+08.40 Ahd
S86°05'40"E
S85°20'40"E
Removal Limits
Exst SR 101L Med Cst ℄
101-2

T4N R3E
SEC 19

New Conc Curb & Gutter
Std C-05.10, Type D, h=7"
New Combination Noise Wall
and Retaining Wall
19th Ave Ramp 'C' Cst ℄ Sta 22+37.02=
117.53' Lt Exst SR 101L Med Cst ℄ Sta 1326+68.41
Nose of Gore Control Point
10' TCE
New Noise Wall
New R/W
10:1 Taper
New Conc Half Barrier
Std C-10.50, Gutter=4.5'
WB Frontage Rd Cst ℄
New Conc Half Barrier
Special Detail, Gutter=4.5'
New Retaining Wall
Exst R/W
Varies
19C2
S84°44'07"E
End 19th Ave Ramp 'C' Cst ℄ PT Sta 27+32.70=
83.00' Lt Exst SR 101L Med Cst ℄ POC Sta 1331+57.50

New Retaining Wall
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
New Conc Half Barrier
Special Detail, Gutter=2.5'
New Conc Curb & Gutter
Type B, Std C-05.10
Removal Limits
End 19th Ave Ramp 'D' Cst ℄ PT Sta 24+90.32=
95.00' Rt Exst SR 101L Med Cst ℄ POC Sta 1329+79.36
New Conc Half Barrier
Special Detail, Gutter=2.5'
X19D2
107'
N86°45'52"E
N84°56'10"E
50:1 Taper
PC 22+08.07
19D2
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
16'
19th Ave Ramp 'D' Cst ℄
New Retaining Wall
S89°44'35"E
Exst 19th Ave Ramp 'D' Cst ℄
Exst Joint Utility Trench
EQUATION
PI Sta 931+13.51 Bk=
PI Sta 1325+50.74 Ahd
Exst EB Frontage Rd Cst ℄
New Catch Basin
Extend Exst 24" RCP
(Typ)
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
16'
14'
Varies
New Conc Curb & Gutter
Type C, Std C-05.10
New Conc Half Barrier
Std C-10.50, Gutter=4.5'
Exst R/W
PT 13+70.19
PC 8+13.40
19th Ave Ramp 'D' Cst ℄ Sta 21+23.46=
112.53' Rt Exst SR 101L Med Cst ℄ Sta 1326+08.90
Nose of Gore Control Point

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2020 E. Camelback Rd, Suite 200
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T 602.337.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1318+00 to Sta 1332+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.07
TRACS NO. H8297 01L
___ OF ___

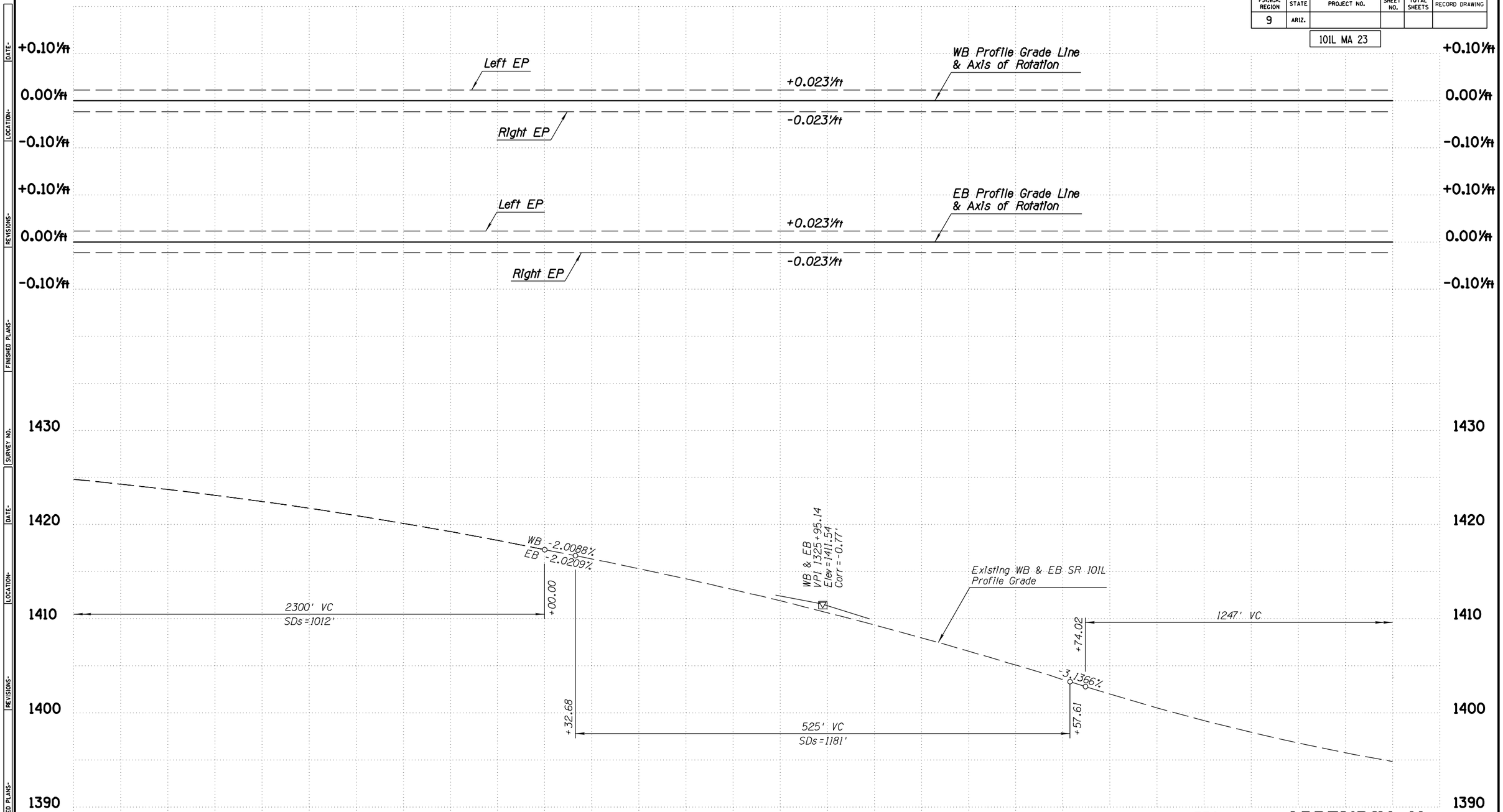
4/25/2016 U:\PIMA03\Prod\civ\h8297p05.dgn

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1318+00 to Sta 1332+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

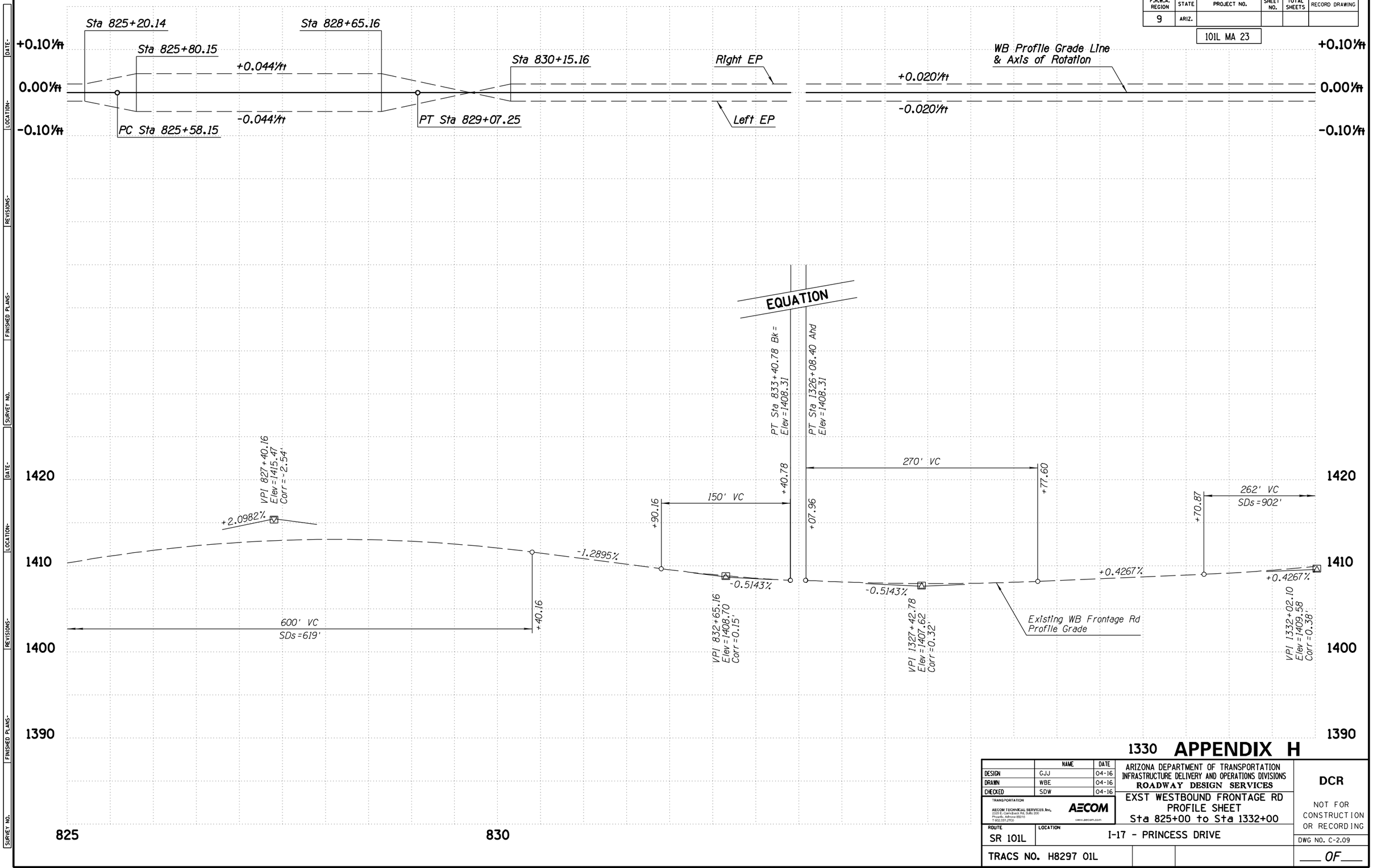
ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	C-2.08
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v05.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



1330 **APPENDIX H**

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2205 E. Camelback Rd. Suite 200
Phoenix, Arizona 85016
T 602.371.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 825+00 to Sta 1332+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

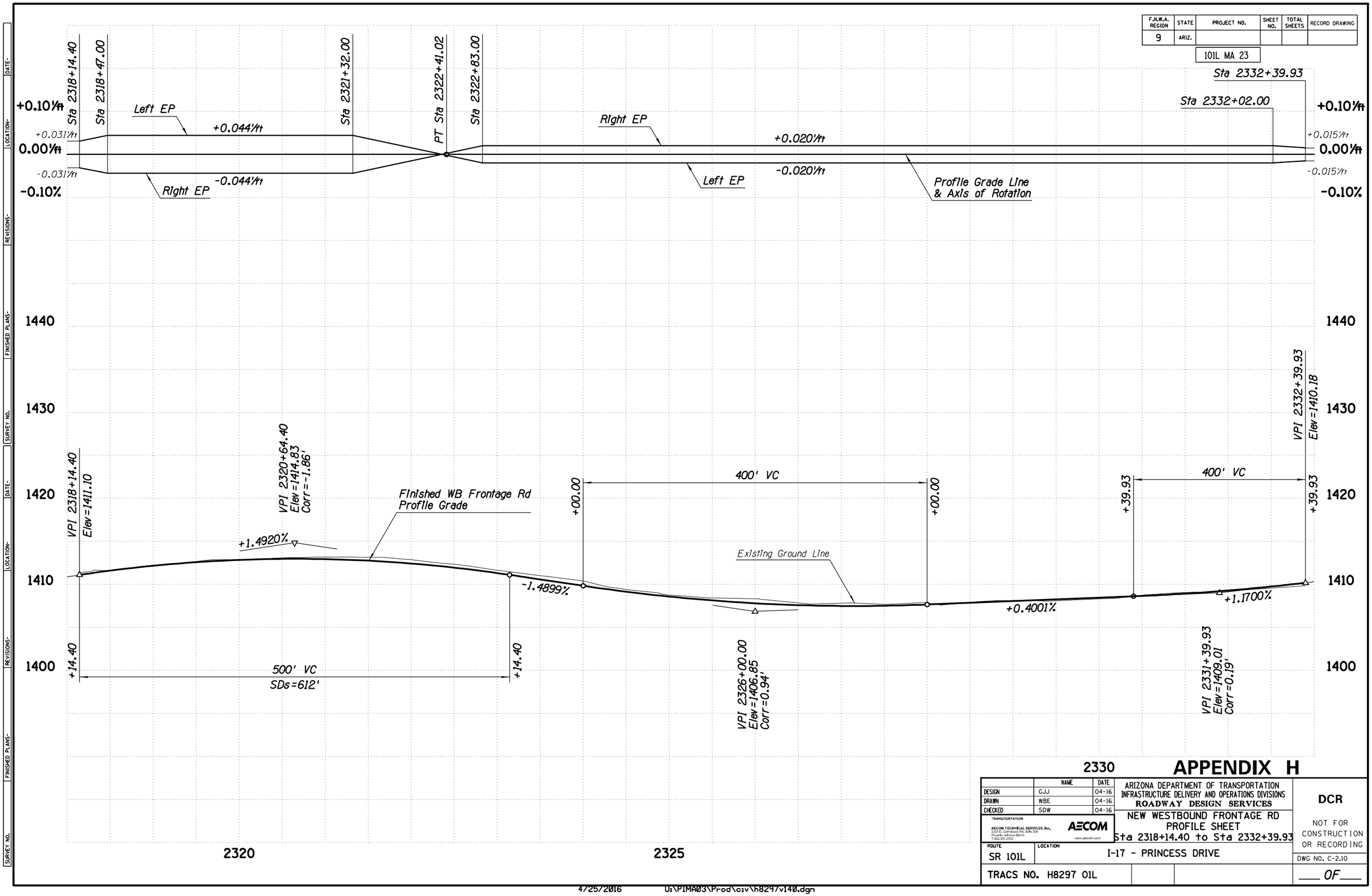
ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.09
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v66.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION

AECOM TECHNICAL SERVICES, Inc.
2200 E. Camelback Rd. Suite 200
Phoenix, Arizona 85016
T 602.337.2700

AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

NEW WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 2318+14.40 to Sta 2332+39.93

DCR

NOT FOR CONSTRUCTION OR RECORDING

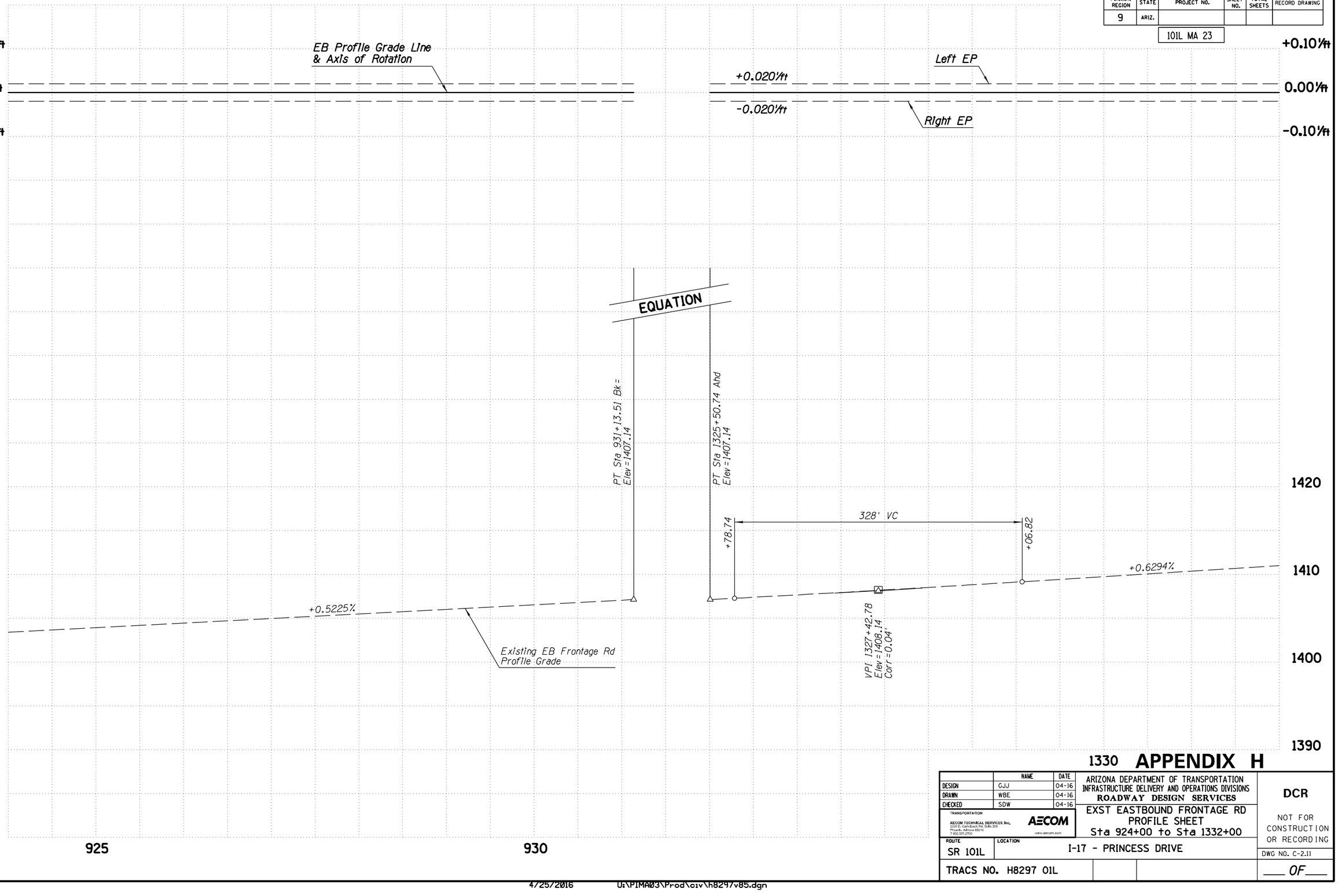
ROUTE	LOCATION	DWG NO. C-2.10
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v140.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



1330 **APPENDIX H**

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2320 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.337.2700
AECOM
www.aecom.com

EXST EASTBOUND FRONTAGE RD
PROFILE SHEET
Sta 924+00 to Sta 1332+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.11

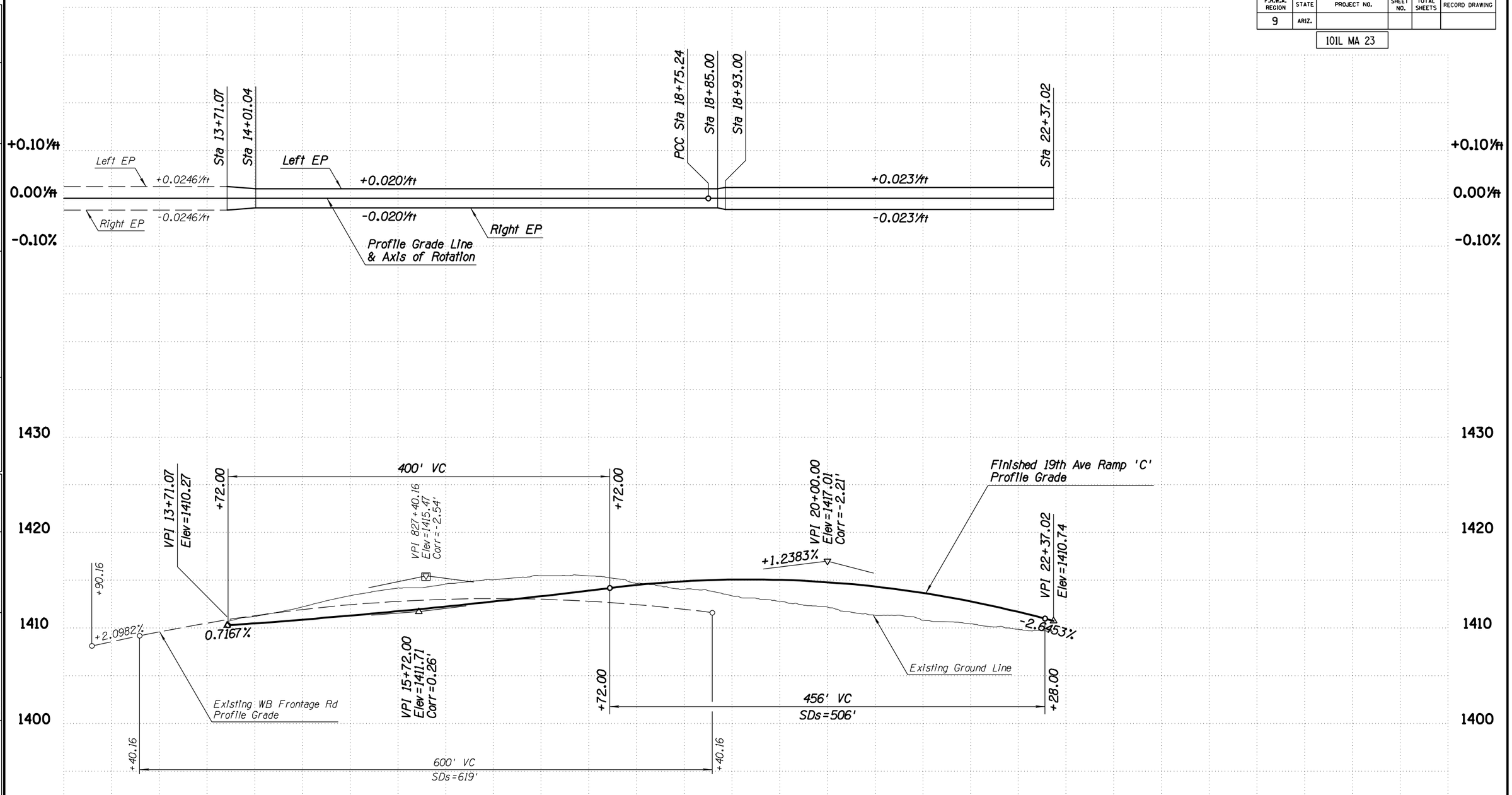
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v85.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-



APPENDIX H

	NAME	DATE
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

19TH AVENUE RAMP 'C'
PROFILE SHEET
Sta 13+71.07 to Sta 22+37.02

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

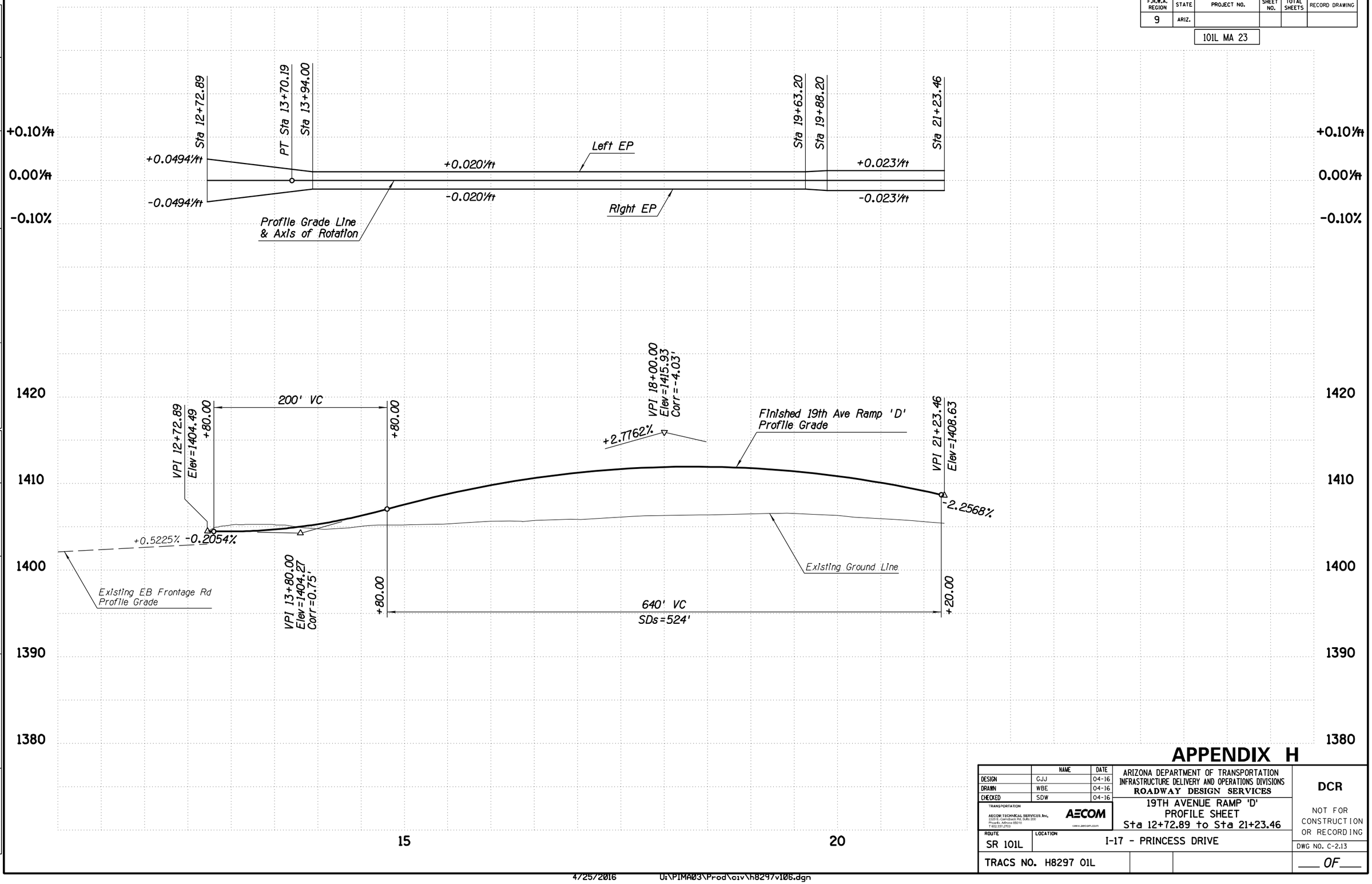
DWG NO. C-2.12

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v105.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	CJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

19TH AVENUE RAMP 'D'
PROFILE SHEET
Sta 12+72.89 to Sta 21+23.46

DCR

NOT FOR CONSTRUCTION OR RECORDING

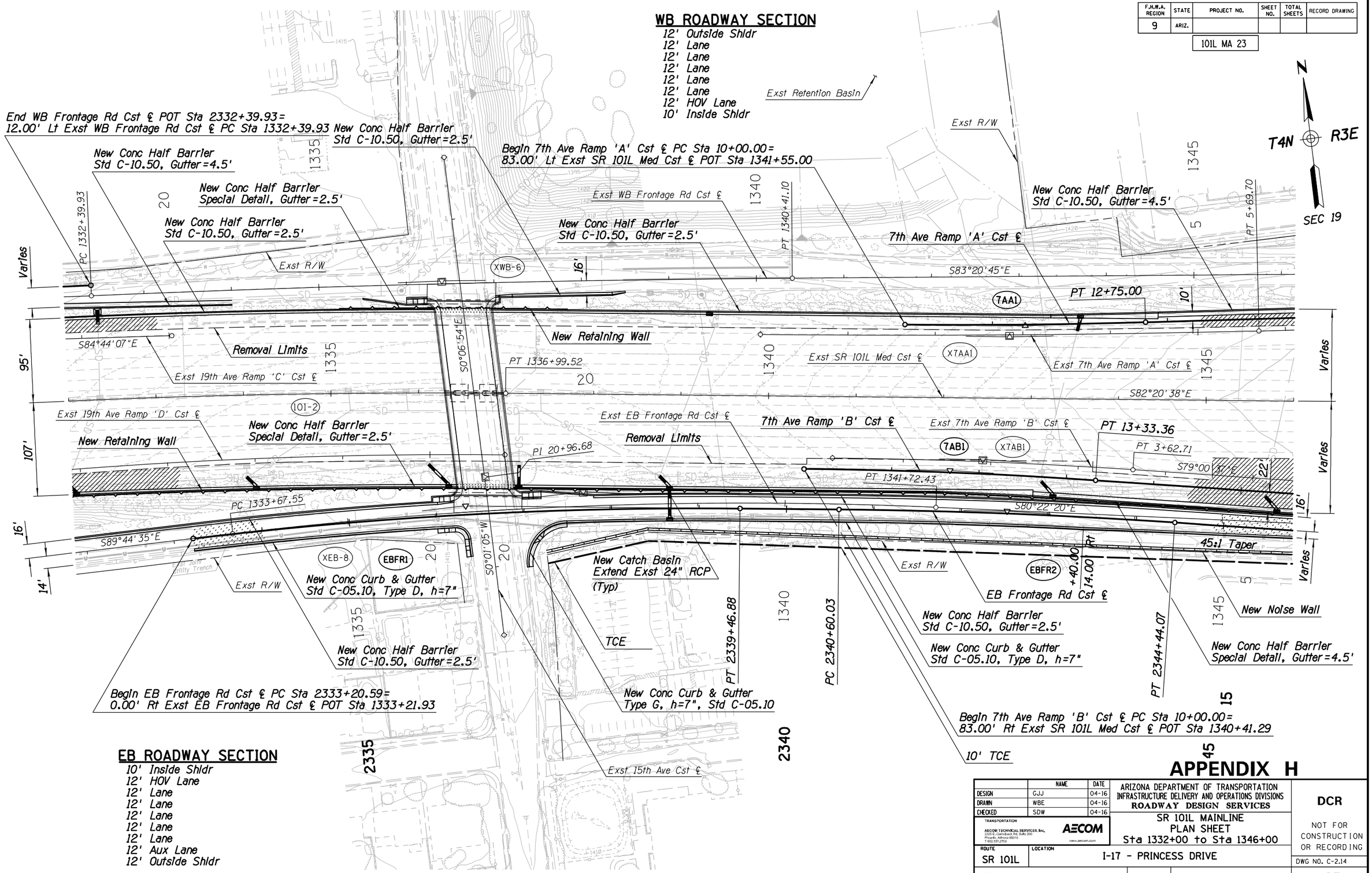
ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	C-2.13
TRACS NO. H8297 01L		___ OF ___

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297v106.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
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TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2325 E. Camelback Rd, Suite 200
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1332+00 to Sta 1346+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.14

TRACS NO. H8297 01L

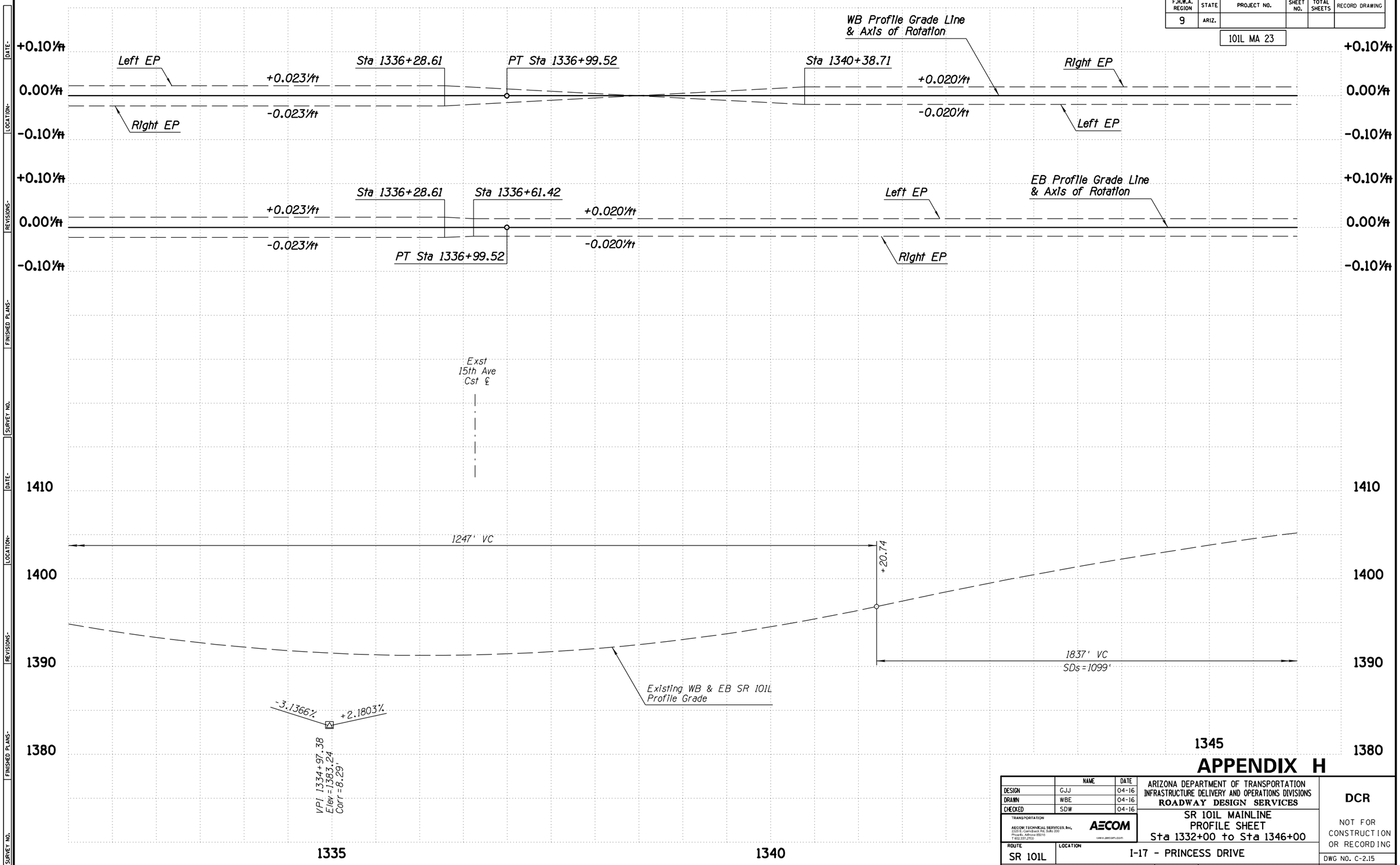
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297p06.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

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TRANSPORTATION

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1332+00 to Sta 1346+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

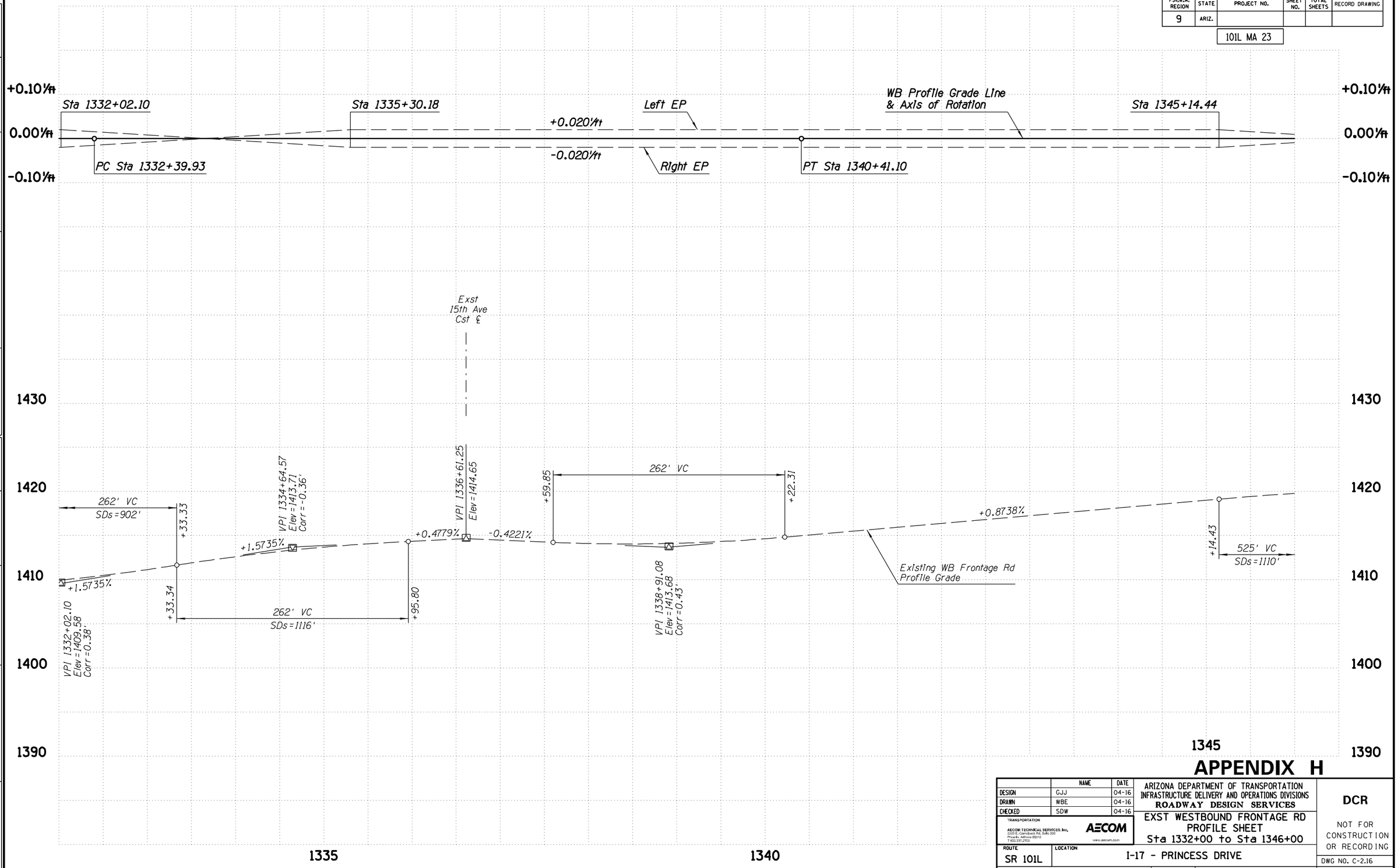
ROUTE	LOCATION	DWG NO. C-2.15
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v06.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1332+00 to Sta 1346+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

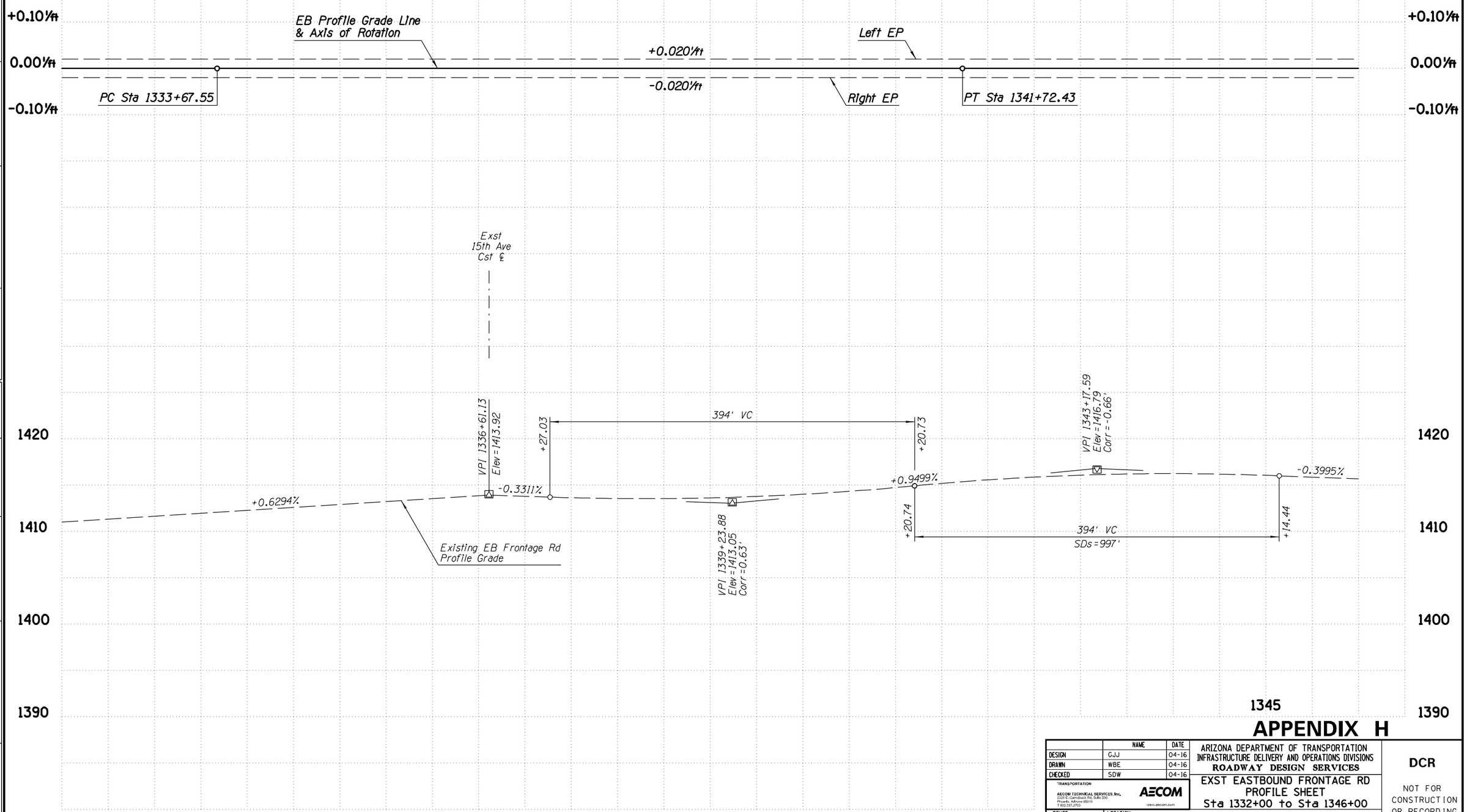
ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.16
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v67.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE-
LOCATION-
REVISIONS-
FINISHED PLANS-
SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST EASTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1332+00 to Sta 1346+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.17

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2505 E. Camelback Rd, Suite 300
Phoenix, Arizona 85016
T 602.337.2700
AECOM
www.aecom.com

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

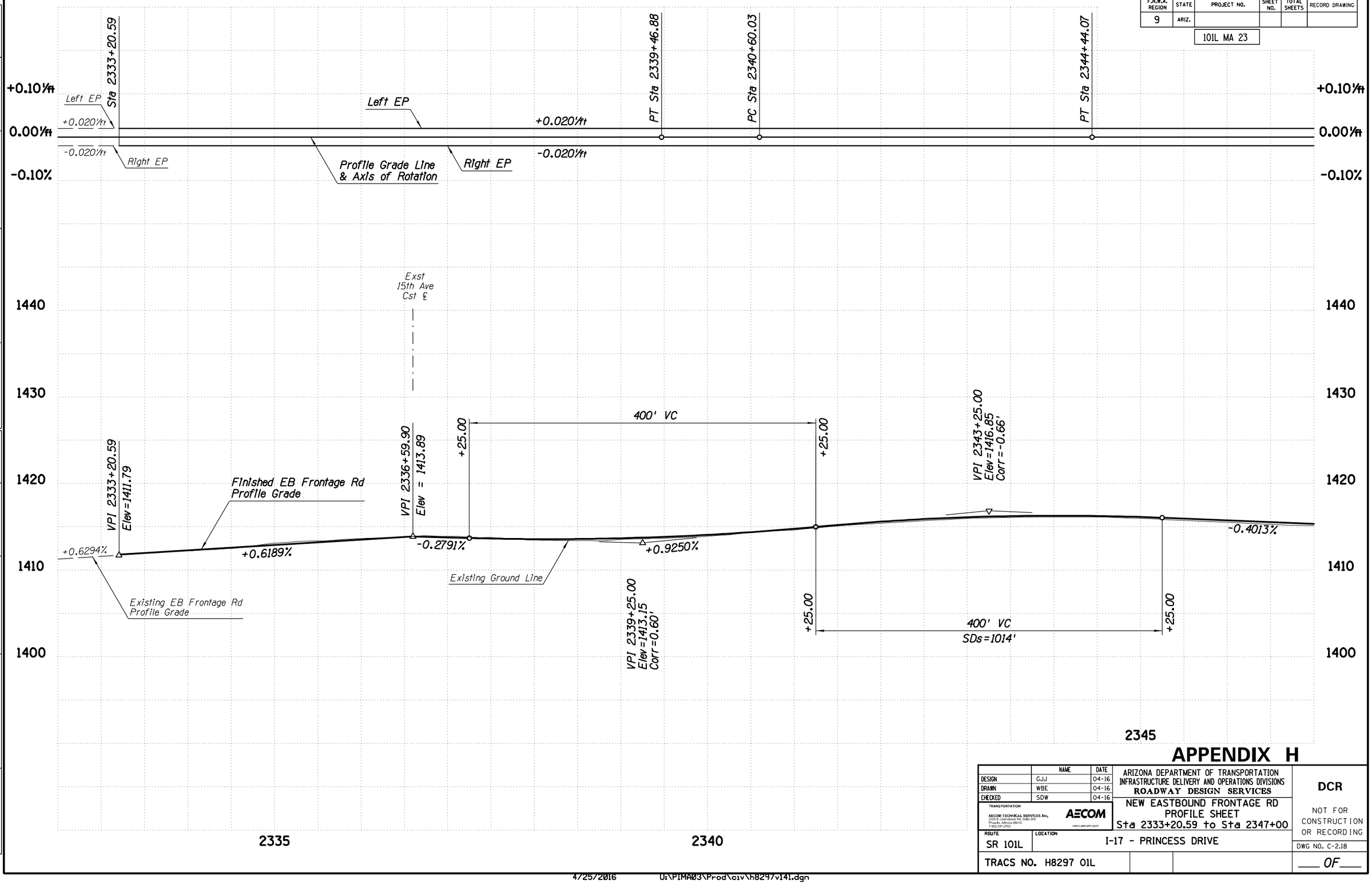
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v86.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
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DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION

AECOM TECHNICAL SERVICES, Inc.
2325 E. Camelback Rd, Suite 200
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T 602.337.2700

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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

NEW EASTBOUND FRONTAGE RD
PROFILE SHEET
Sta 2333+20.59 to Sta 2347+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	C-2.18

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v141.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

7th Ave Ramp 'A' Cst ℄ Sta 23+20.29=
30.00' Rt Exst WB Frontage Rd Cst ℄ Sta 1354+88.82
Nose of Gore Control Point

7th Ave Ramp 'A' Cst ℄ Sta 15+80.64=
100.51' Lt Exst SR 101L Med Cst ℄ Sta 1347+35.33
Nose of Gore Control Point

T4N R3E
SEC 19

WB ROADWAY SECTION

12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

Exst R/W
Exst WB Frontage Rd Cst ℄
Exst Drainage Channel
7th Ave Ramp 'A' Cst ℄
Exst 7th Ave Ramp 'A' Cst ℄
New Conc Half Barrier
Special Detail, Gutter=4.5'
New Conc Half Barrier
Std C-10.50, Gutter=4.5'
New Retaining Wall
PC 12+02.10
PC 22+12.48
PC 1353+82.37
PT 26+59.16
S83°20'45"E
50:1 Taper
S84°36'30"E
S84°15'26"E
N89°48'29"E
XWB-7
7AA2
XTAA2
16'
Varies
New Conc Half Barrier
Std C-10.50, Gutter=4.5'
Exst SR 101L Med Cst ℄
Removal Limits
PC 1354+71.04
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
101-3
83'
S82°20'38"E
New Retaining Wall
New Conc Curb & Gutter
Type C, Std C-05.10
New Conc Curb & Gutter
Type B, Std C-05.10
Removal Limits
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
New Conc Half Barrier
Std C-10.50, Gutter=4.5'
95'
S79°00'37"E
S80°22'20"E
S79°00'37"E
14'
PC 23+95.31
7AB2
X7AB2
45:1 Taper
+00.00
6.00' Rt
New Noise Wall
Exst R/W
New Conc Half Barrier
Special Detail, Gutter=4.5'
New Conc Curb & Gutter
Std C-05.10, Type D, h=7"
New Catch Basin
Extend Exst 24" RCP
(Typ)
New R/W
7th Ave Ramp 'B' Cst ℄
7th Ave Ramp 'B' Cst ℄ Sta 17+60.27=
117.52' Rt Exst SR 101L Med Cst ℄ Sta 1348+00.64
Nose of Gore Control Point
Exst 7th Ave Ramp 'B' Cst ℄
New Noise Wall
Exst R/W
New Conc Half Barrier
Std C-10.50, Gutter=4.5'
New 24" RCP
Tie To Existing
(Typ)
New R/W
New Conc Curb & Gutter
Std C-05.10, Type D, h=7"
10' TCE
PC 2352+83.81
New Conc Curb & Gutter
Type C, Std C-05.10
7th Ave Ramp 'B' Cst ℄ Sta 25+93.59=
35.01' Lt EB Frontage Rd Cst ℄ Sta 2356+12.98
Nose of Gore Control Point
S85°10'29"E
25:1 Taper
XEB-9
+80.00
8.00' Rt
EBFR3
PC 1355+55.00
PC 16+04.37
Exst EB Frontage Rd Cst ℄
EB Frontage Rd Cst ℄
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
PT 2358+44.21

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.371.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1346+00 to Sta 1360+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.19
TRACS NO. H8297 01L
___ OF ___

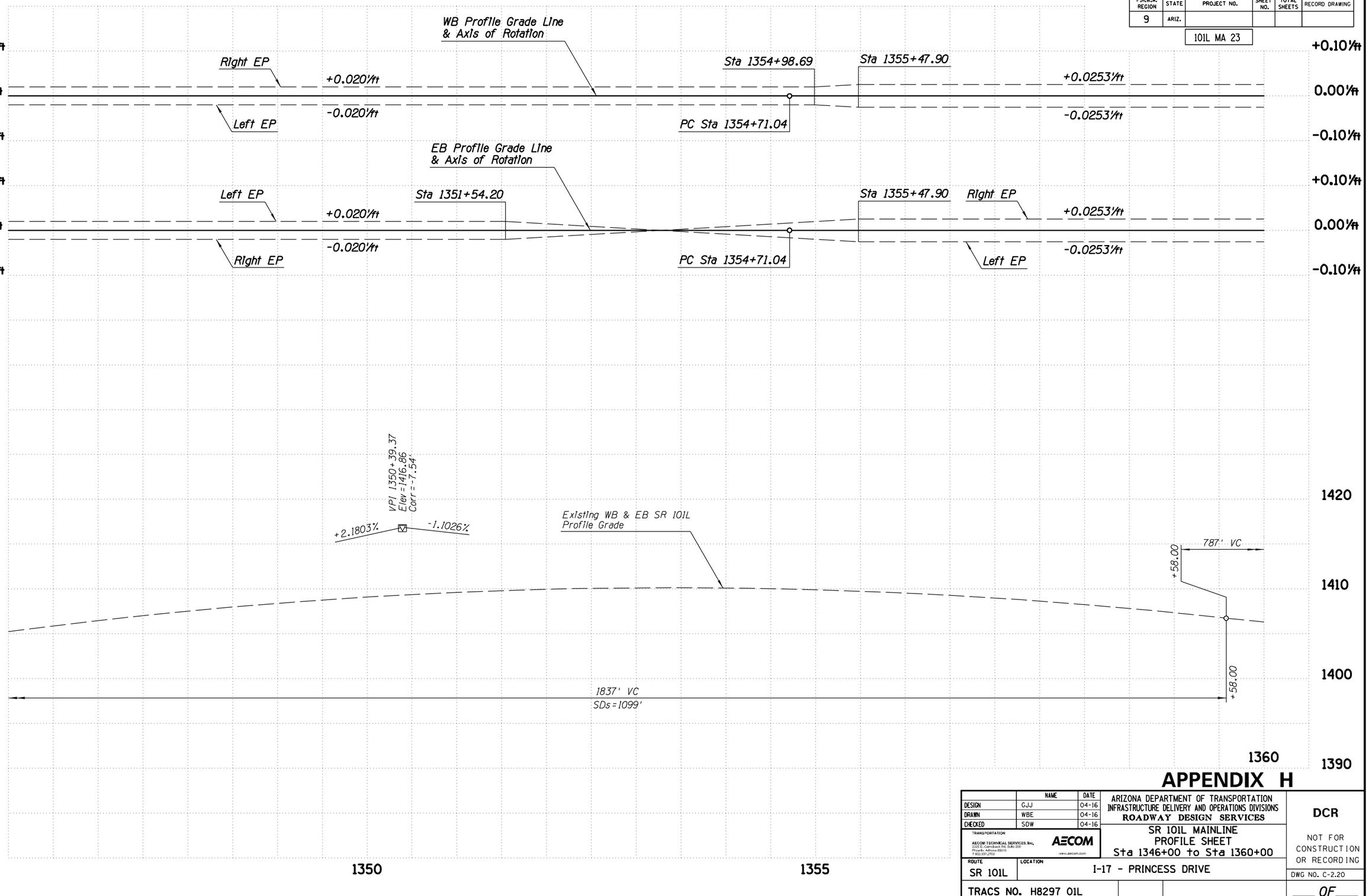
4/25/2016 U:\PIMA03\Prod\civ\h8297p07.dgn

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

	NAME	DATE
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CHECKED	SDW	04-16

TRANSPORTATION
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1346+00 to Sta 1360+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

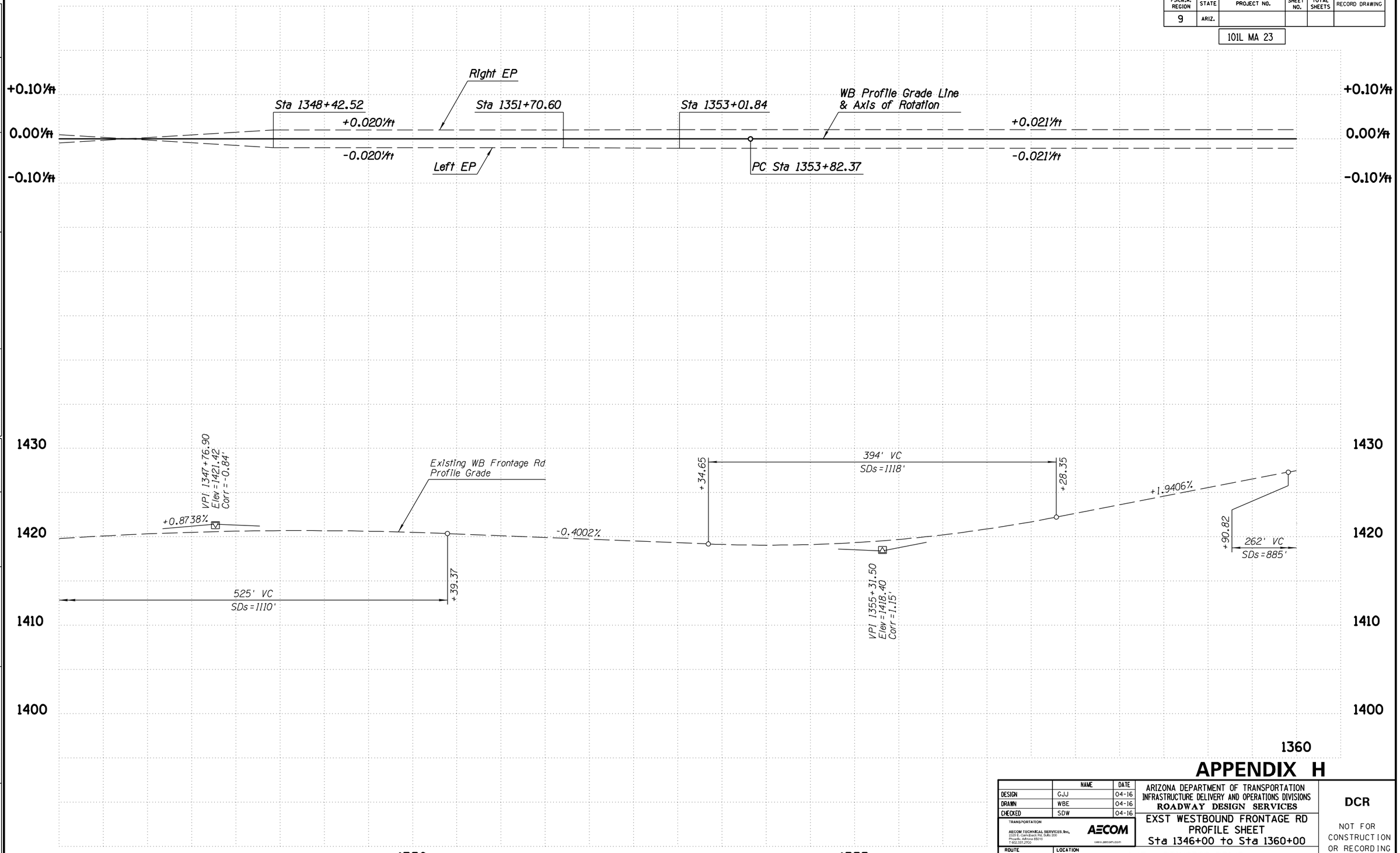
ROUTE	LOCATION	DWG NO. C-2.20
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v07.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



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	NAME	DATE
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TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1346+00 to Sta 1360+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

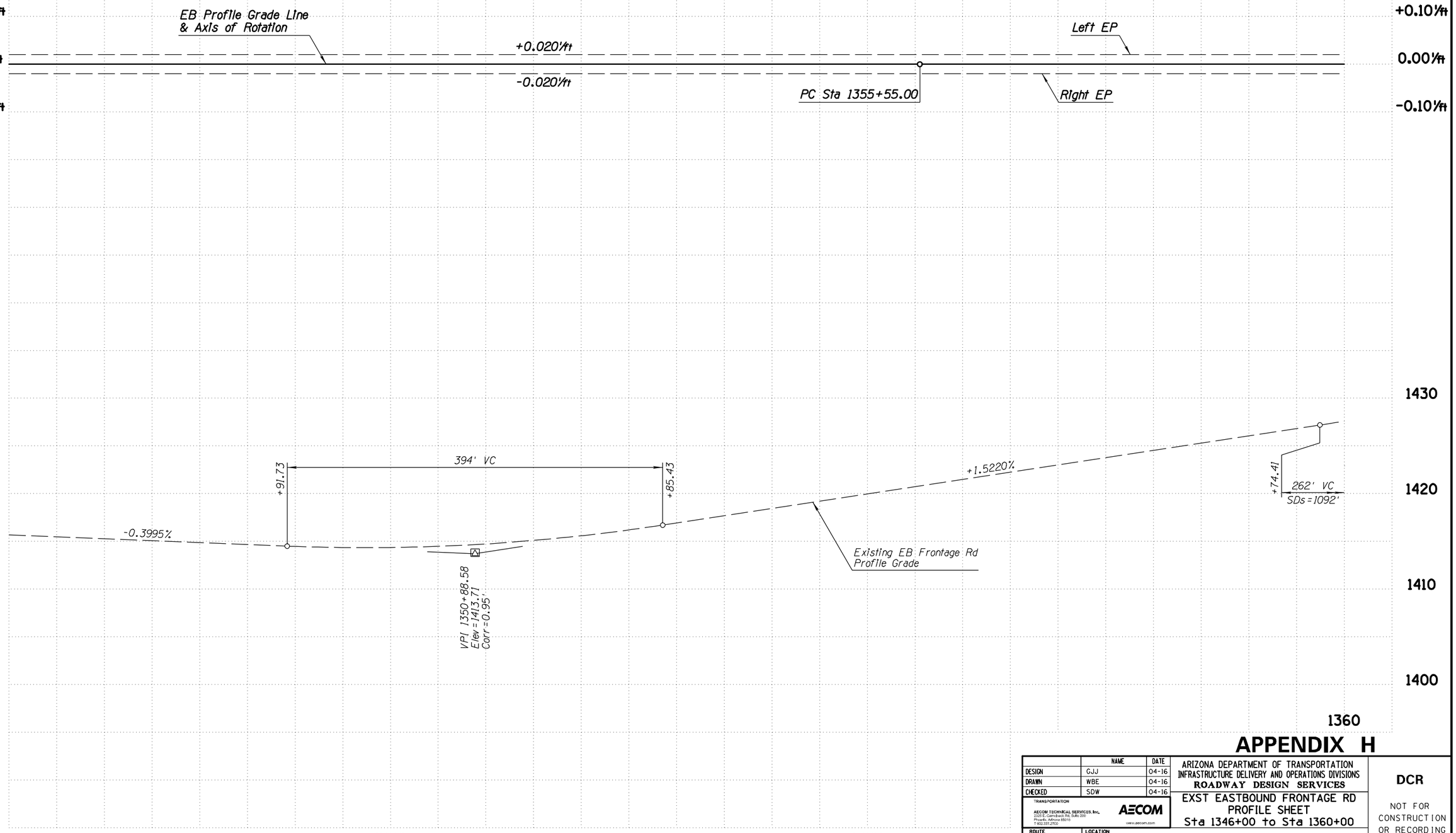
ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.21
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v68.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



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	NAME	DATE
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TRANSPORTATION
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST EASTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1346+00 to Sta 1360+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

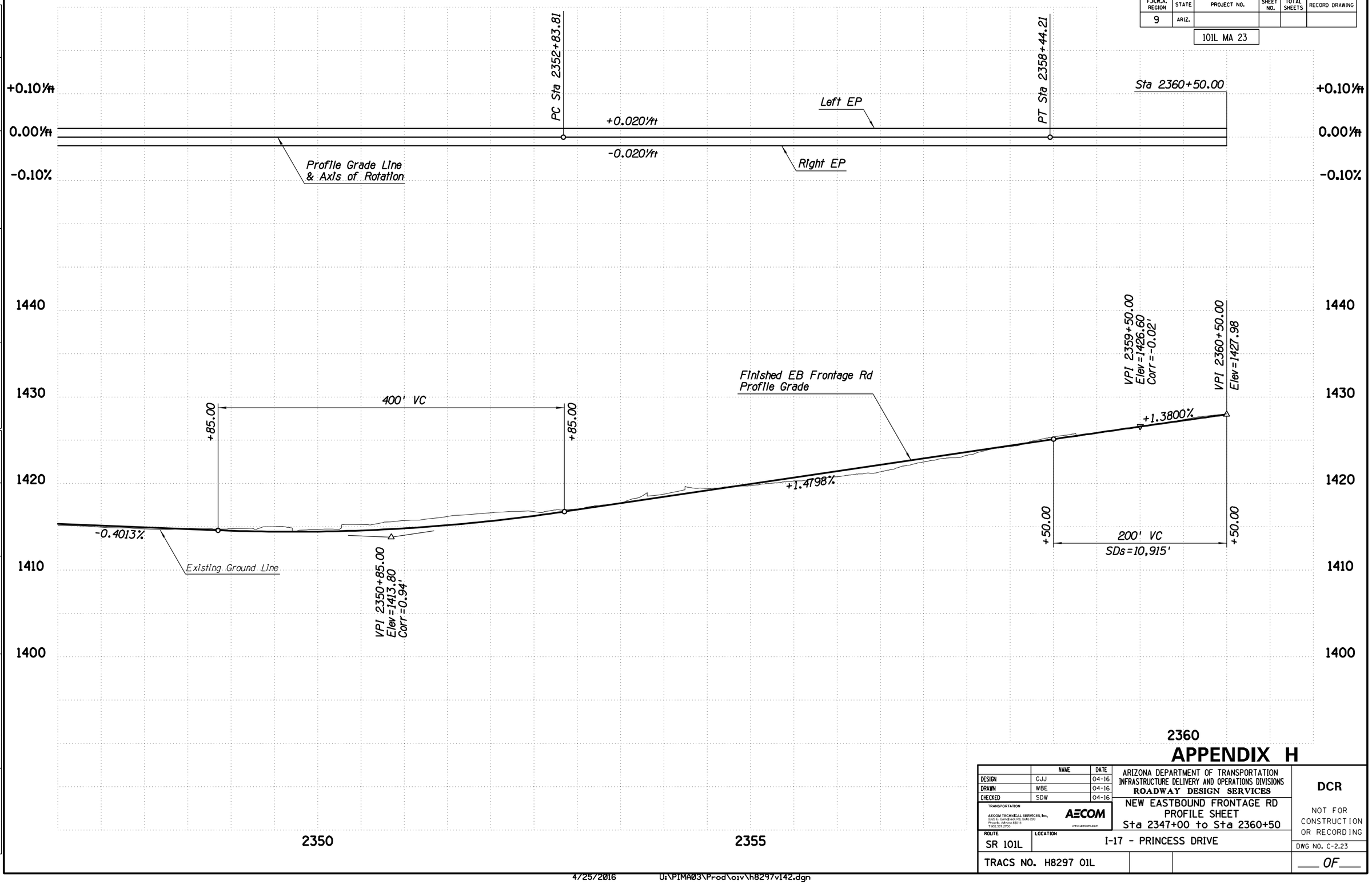
ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.22
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v87.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 350
Phoenix, Arizona 85016
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

NEW EASTBOUND FRONTAGE RD
PROFILE SHEET
Sta 2347+00 to Sta 2360+50

DCR

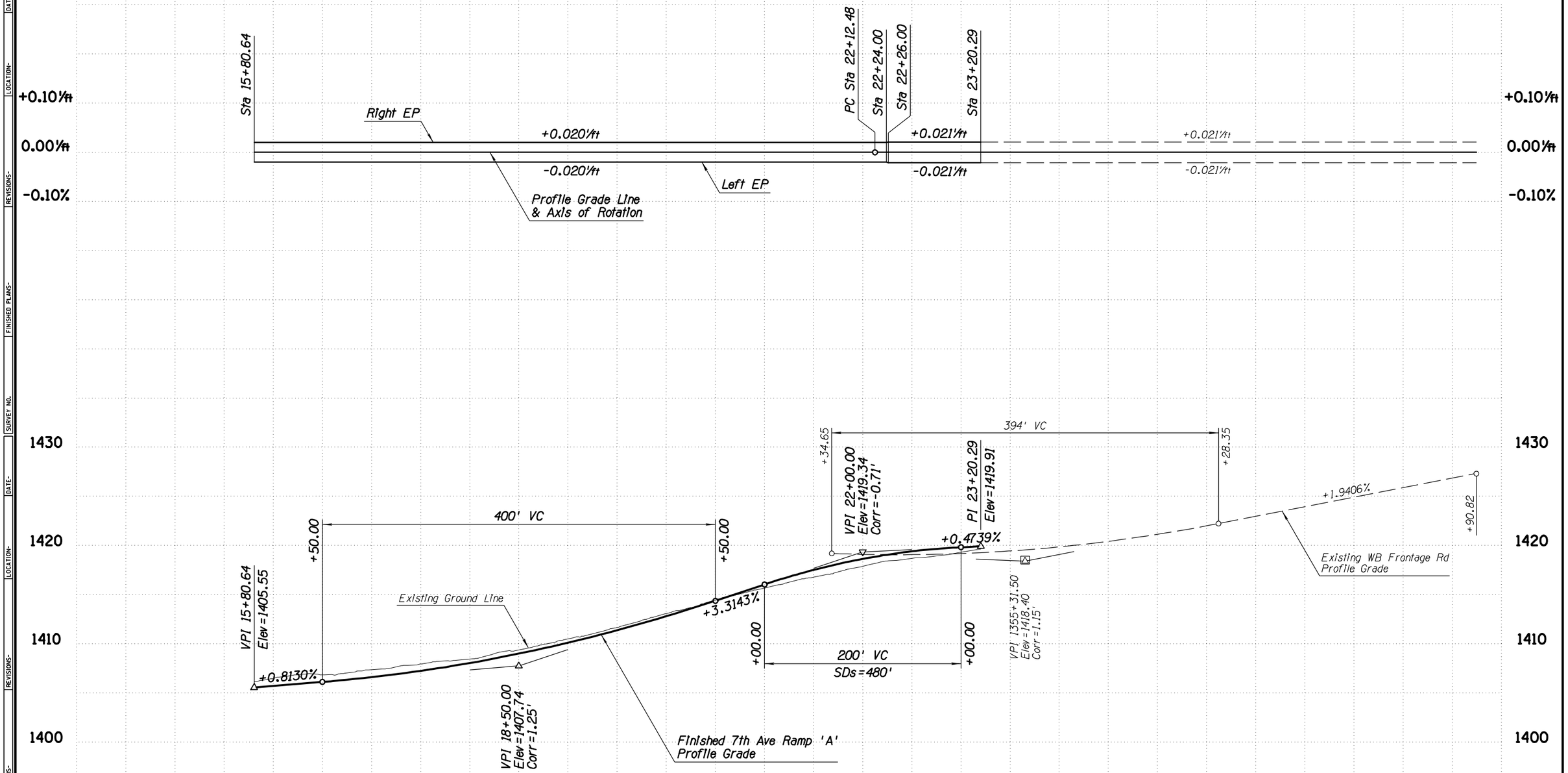
NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.23
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v142.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



25

APPENDIX H

	NAME	DATE
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CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 300
Phoenix, Arizona 85016
T 602.337.2700
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

7TH AVENUE RAMP 'A'
PROFILE SHEET
Sta 15+80.64 to Sta 23+20.29

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.24

___ OF ___

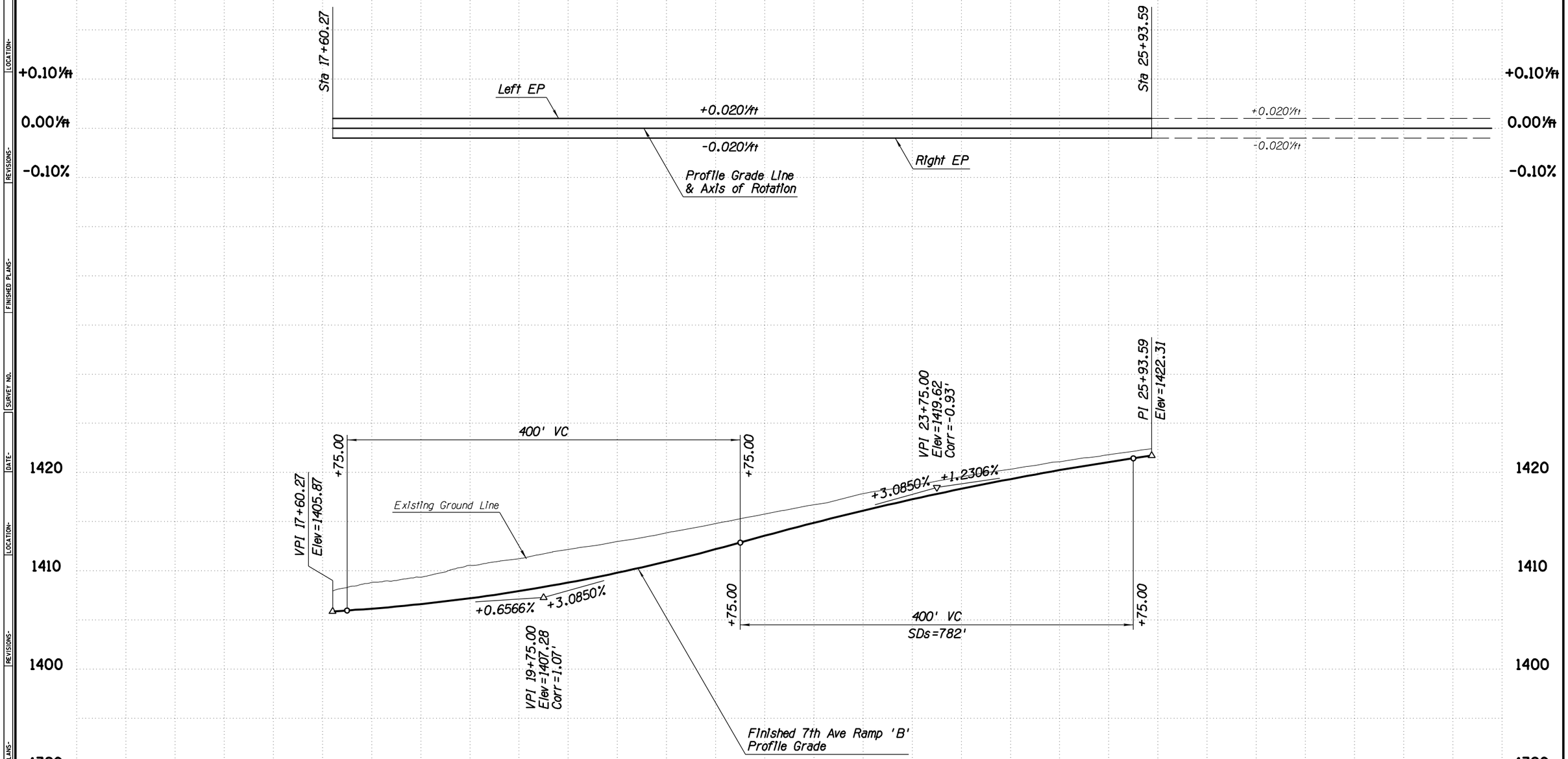
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297v107.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



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TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

7TH AVENUE RAMP 'B'
PROFILE SHEET
Sta 17+60.27 to Sta 25+93.59

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.25

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v108.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

WB ROADWAY SECTION

12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

Exst Retention Basin

7th Ave Ramp 'C' Cst ℄ Sta 17+18.98=
24.00' Rt Exst WB Frontage Rd Cst ℄ Sta 1372+12.91
Nose of Gore Control Point

T4N R3E
SEC 29

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

7th Ave Ramp 'A' Cst ℄

Exst 7th Ave Ramp 'A' Cst ℄

XWB-7

PT 1360+88.00

N85°18'29"E

X7AA2

PT 20+98.35

End 7th Ave Ramp 'A' Cst ℄ POT Sta 29+21.79=
12.00' Rt Exst WB Frontage Rd Cst ℄ POT Sta 1360+88.00

Begin 7th Ave Ramp 'C' Cst ℄ POT Sta 13+77.00=
0.00' Rt Exst 7th Ave Ramp 'C' Cst ℄ POC Sta 3+77.00

Exst WB Frontage Rd Cst ℄

Exst 7th Ave Ramp 'C' Cst ℄

PI 18+01.99

N89°48'29"E

S88°52'30"E

X7AC1

7th Ave Ramp 'C' Cst ℄

Exst R/W

New Conc Curb & Gutter
Type C, Std C-05.10

PT 7+40.76

S87°36'17"E

New Conc Half Barrier
Std C-10.50, Gutter=2.5'

Removal Limits

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

Exst SR 101L Med Cst ℄

PT 1368+42.69

N87°14'28"E

New Retaining Wall

101-3

New Conc Half Barrier
Special Detail, Gutter =2.5'

New Conc Half Barrier
Std C-10.50, Gutter=2.5'

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

New Conc Curb & Gutter
Type B, Std C-05.10

New Conc Curb & Gutter
Type C, Std C-05.10

Exst 7th Ave Ramp 'B' Cst ℄

End 7th Ave Ramp 'B' Cst ℄ PT Sta 31+99.53=
12.00' Lt Exst EB Frontage Rd Cst ℄ POC Sta 1362+20.50

X7AB2

7AB2

+20.00
95.00' Rt

65:1 Taper

Removal Limits

N81°30'45"E

PT 4+09.77

N82°39'59"E

N83°10'16"E

Exst 7th Ave Ramp 'D' Cst ℄

XEB-9

X7AD1

+30.00
14.00' Rt

7th Ave Ramp 'B' Cst ℄

Exst Joint Utility Trench

PT 1372+51.20

New Conc Curb & Gutter
Type C, Std C-05.10

7th Ave Ramp 'D' Cst ℄

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

Exst R/W

Exst EB Frontage Rd Cst ℄

7th Ave Ramp 'D' Cst ℄ Sta 13+93.84=
30.02' Lt Exst EB Frontage Rd Cst ℄ Sta 1369+42.29
Nose of Gore Control Point

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

End EB Frontage Rd Cst ℄
POT Sta 2360+50.00=
12.00' Rt Exst EB Frontage Rd Cst ℄
POC Sta 1360+50.00

New Catch Basin
Extend Exst 24" RCP
(Typ)

Begin 7th Ave Ramp 'D' Cst ℄ POT Sta 12+90.83=
0.00' Rt Exst 7th Ave Ramp 'D' Cst ℄ POC Sta 2+90.83

Exst 7th Ave Cst ℄

APPENDIX H

	NAME	DATE
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TRANSPORTATION

AECOM TECHNICAL SERVICES, Inc.
2325 E. Camelback Rd, Suite 200
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1360+00 to Sta 1374+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.26

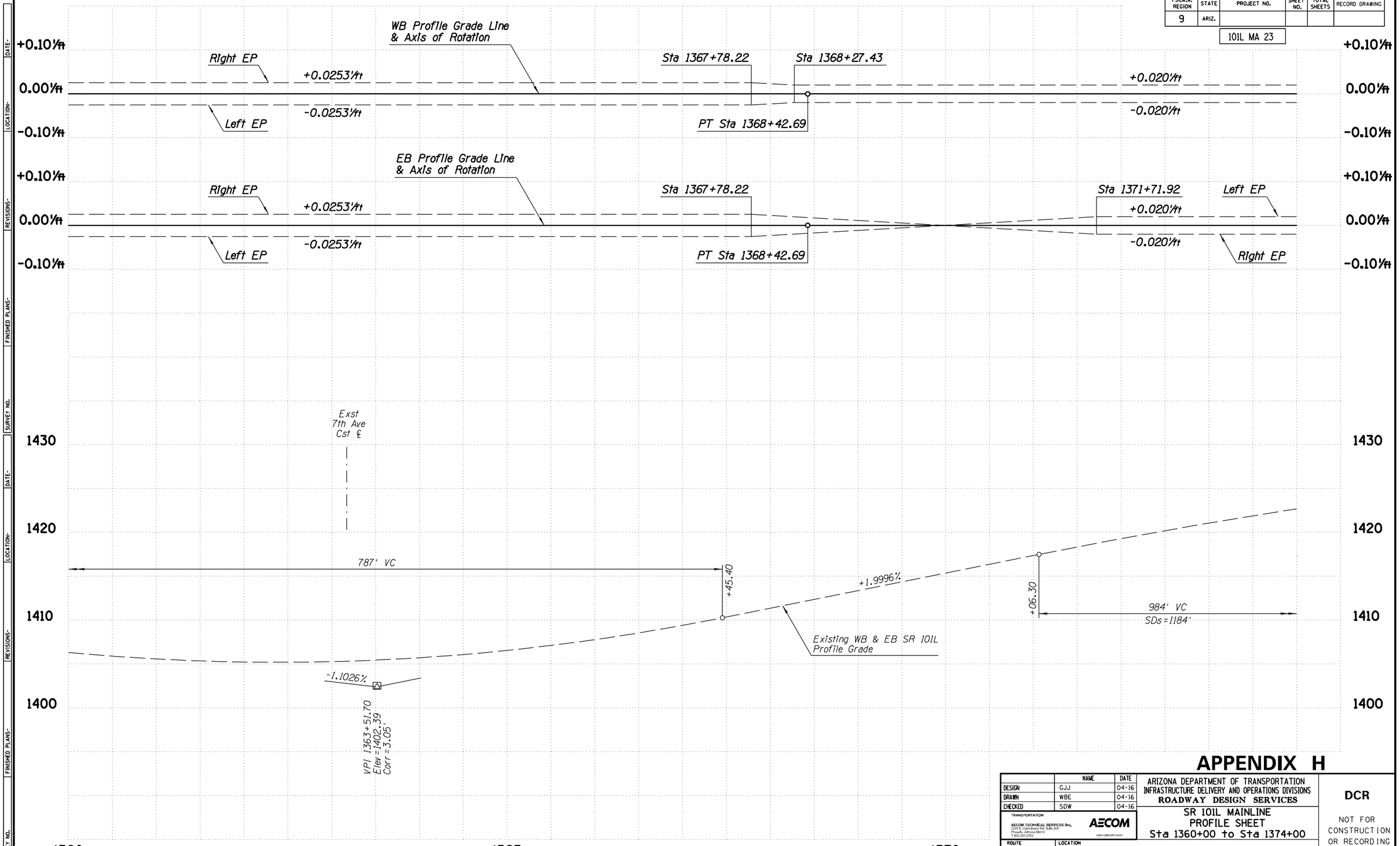
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297p08.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



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TRANSPORTATION

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AECOM
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1360+00 to Sta 1374+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO. C-2.27
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v08.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

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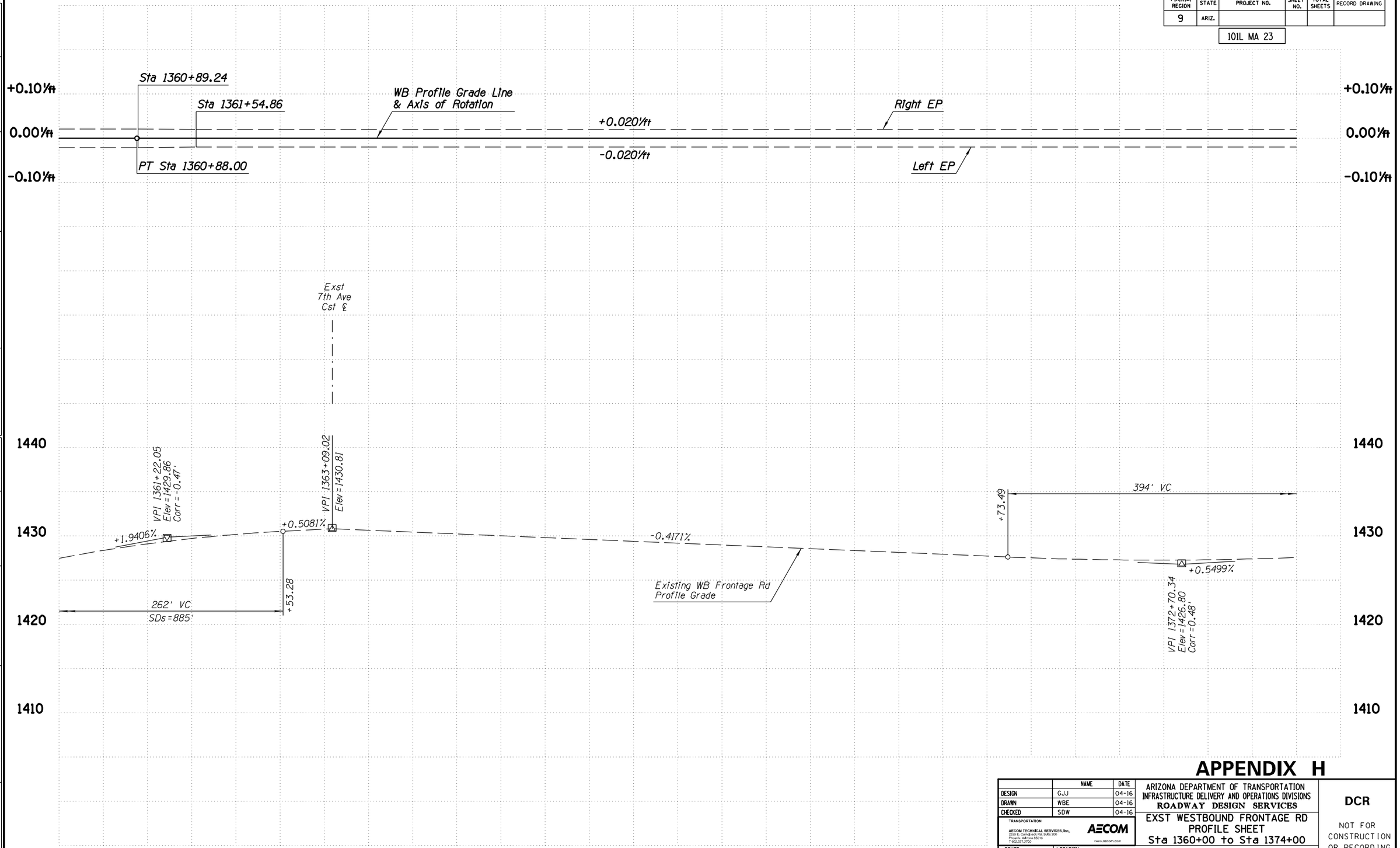

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1360+00 to Sta 1374+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.28

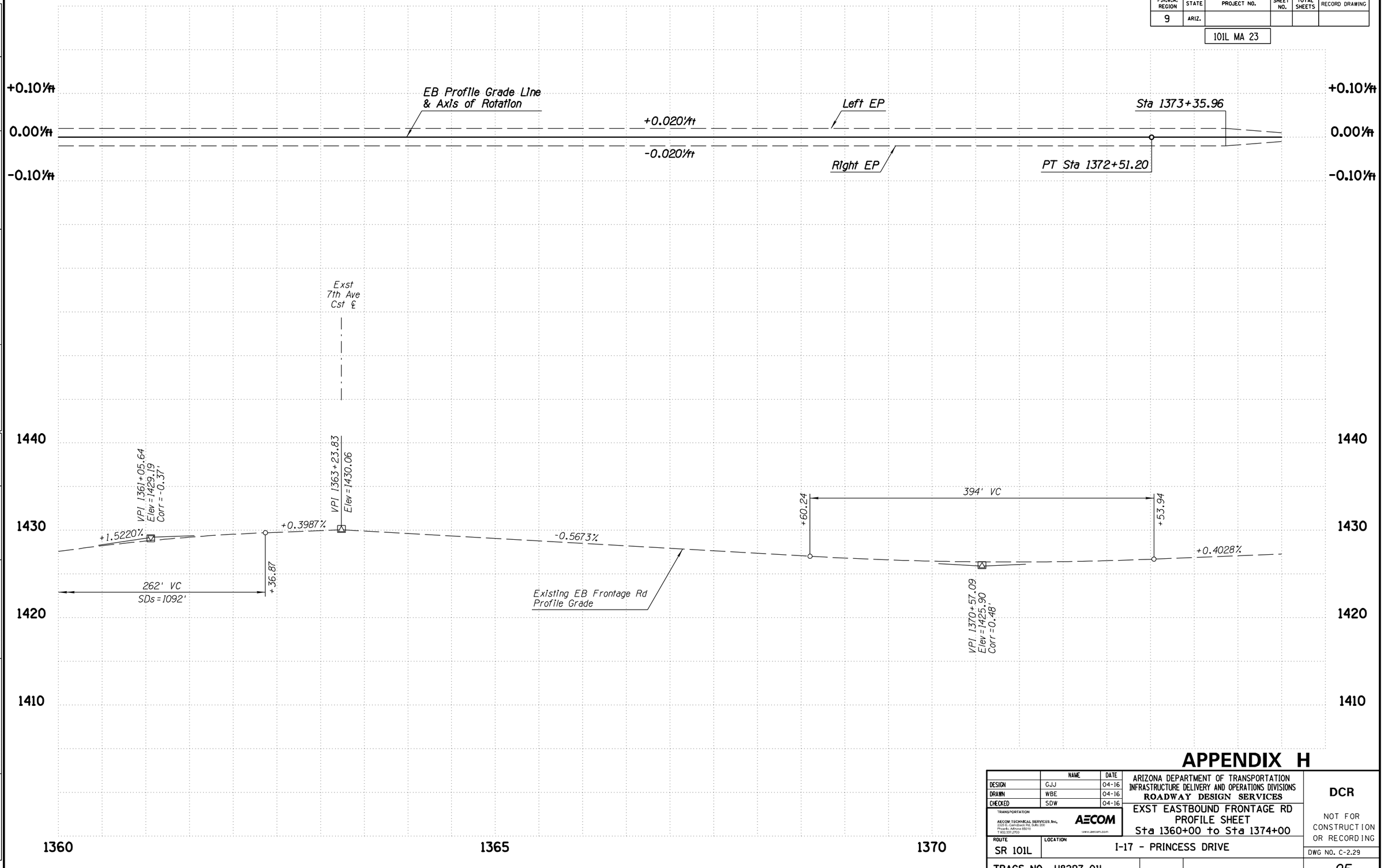
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v69.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.371.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST EASTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1360+00 to Sta 1374+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.29

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v88.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION
12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

WB ROADWAY SECTION
12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

T4N R3E
SEC 29

7th Ave Ramp 'C' Cst ℄ Sta 24+61.28=
105.51' Lt Exst SR 101L Med Cst ℄ Sta 1379+67.22
Nose of Gore Control Point

New Noise Wall
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
New Conc Curb & Gutter
Type C, Std C-05.10
New Conc Half Barrier
Std C-10.50, Gutter=4.5'
7th Ave Ramp 'C' Cst ℄
PI 24+63.28
Exst WB Frontage Rd Cst ℄
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
Exst R/W
New Catch Basin
Extend Exst 24" RCP
(Typ)
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
Removal Limits
PC 27+62.84
PT 19+00.87
PC 14+78.19
Exst 7th Ave Ramp 'C' Cst ℄
Exst SR 101L Med Cst ℄
PT 1383+70.04
End 7th Ave Ramp 'C' Cst ℄ Sta PT 30+54.69=
83.00' Lt Exst SR 101L Med Cst ℄ Sta POT 1385+58.43
PC 1374+87.54
New Conc Curb & Gutter
Type B, Std C-05.10
+00.00
83.00' Rt
7th Ave Ramp 'D' Cst ℄
65:1 Taper
PC 9+85.45
N81°30'45"E
50:1 Taper
New Noise Wall
N83°10'16"E
PC 1375+44.71
PC 20+56.49
New Conc Curb & Gutter
Type C, Std C-05.10
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
Exst 7th Ave Ramp 'D' Cst ℄
Removal Limits
New Conc Half Barrier
Std C-10.50, Gutter=4.5'
PT 1382+37.50
Exst R/W
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
End 7th Ave Ramp 'D' Cst ℄ PT Sta 28+69.66=
83.00' Rt Exst SR 101L Med Cst ℄ POT Sta 1384+02.00
New Mod Catch Basin
(Typ)
Exst EB Frontage Rd Cst ℄
7th Ave Ramp 'D' Cst ℄ Sta 22+95.93=
100.52' Rt Exst SR 101L Med Cst ℄ Sta 1378+26.50
Nose of Gore Control Point

N89°48'29"E
S88°52'30"E
S87°36'17"E
S88°07'30"E
N89°26'34"E
N89°53'33"E

7AC1
XTAC2
101-4
XTAD2
7AD1
XEB-10

10' 16' 8' 16' 83' Varies 14' 16' 16' 95'

EB ROADWAY SECTION
10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1374+00 to Sta 1388+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.30
TRACS NO. H8297 01L
___ OF ___

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297p09.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

+0.10'/ft
0.00'/ft
-0.10'/ft

Right EP
+0.020'/ft
-0.020'/ft
Left EP
WB Profile Grade Line
& Axis of Rotation
PC Sta 1374+87.54
PT Sta 1383+70.04

+0.10'/ft
0.00'/ft
-0.10'/ft

Left EP
+0.020'/ft
-0.020'/ft
Right EP
EB Profile Grade Line
& Axis of Rotation
PC Sta 1374+87.54
PT Sta 1383+70.04

1440
1430
1420
1410

VPI 1375+98.43
Elev=1427.32
Corr=-1.92'
+1.9996%
+0.4405%
Existing WB & EB SR 101L
Profile Grade
+90.55
984' VC
SDs=1184'

1375
1380
1385

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1374+00 to Sta 1388+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

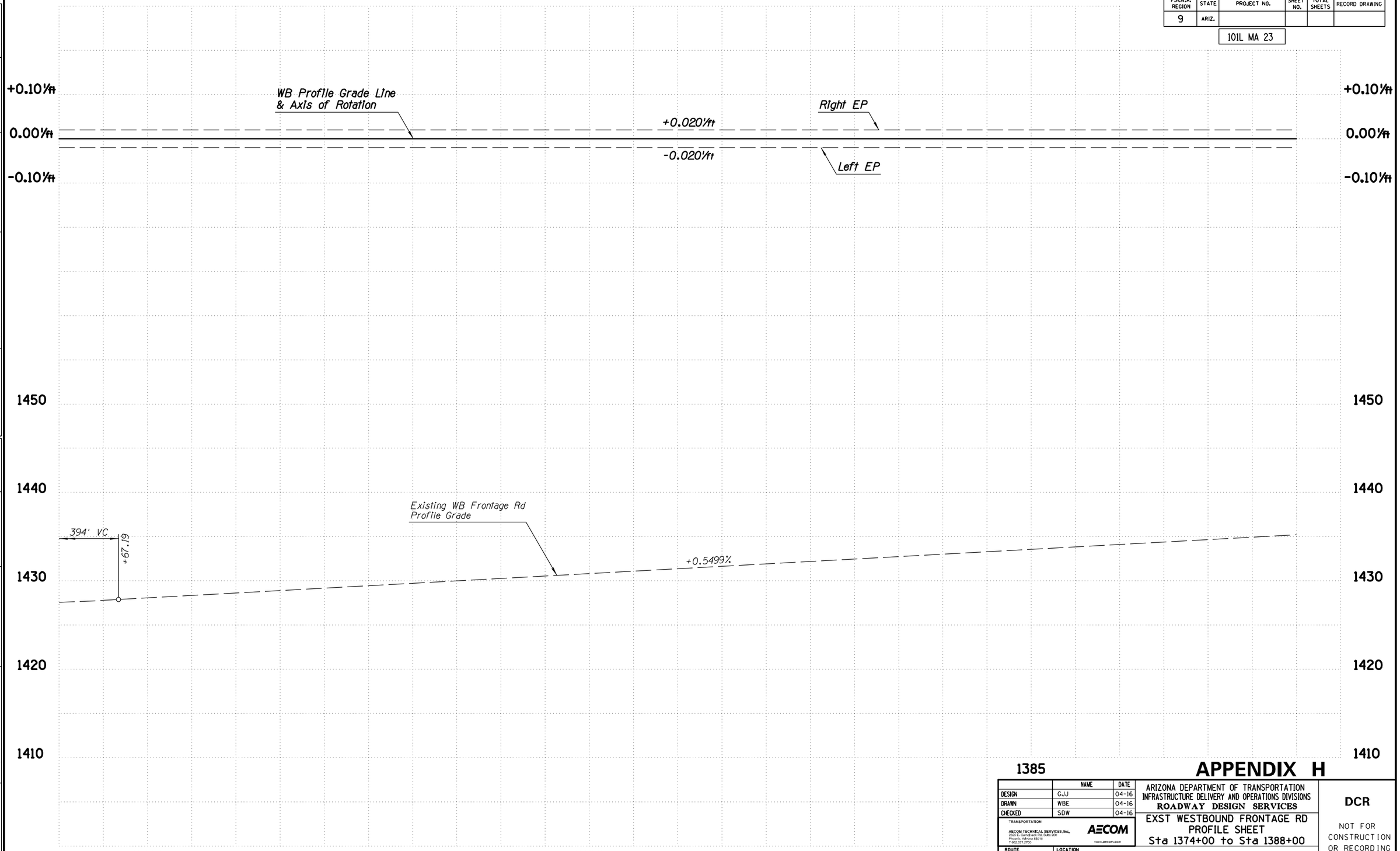
ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.31
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v09.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1374+00 to Sta 1388+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.32

TRACS NO. H8297 01L

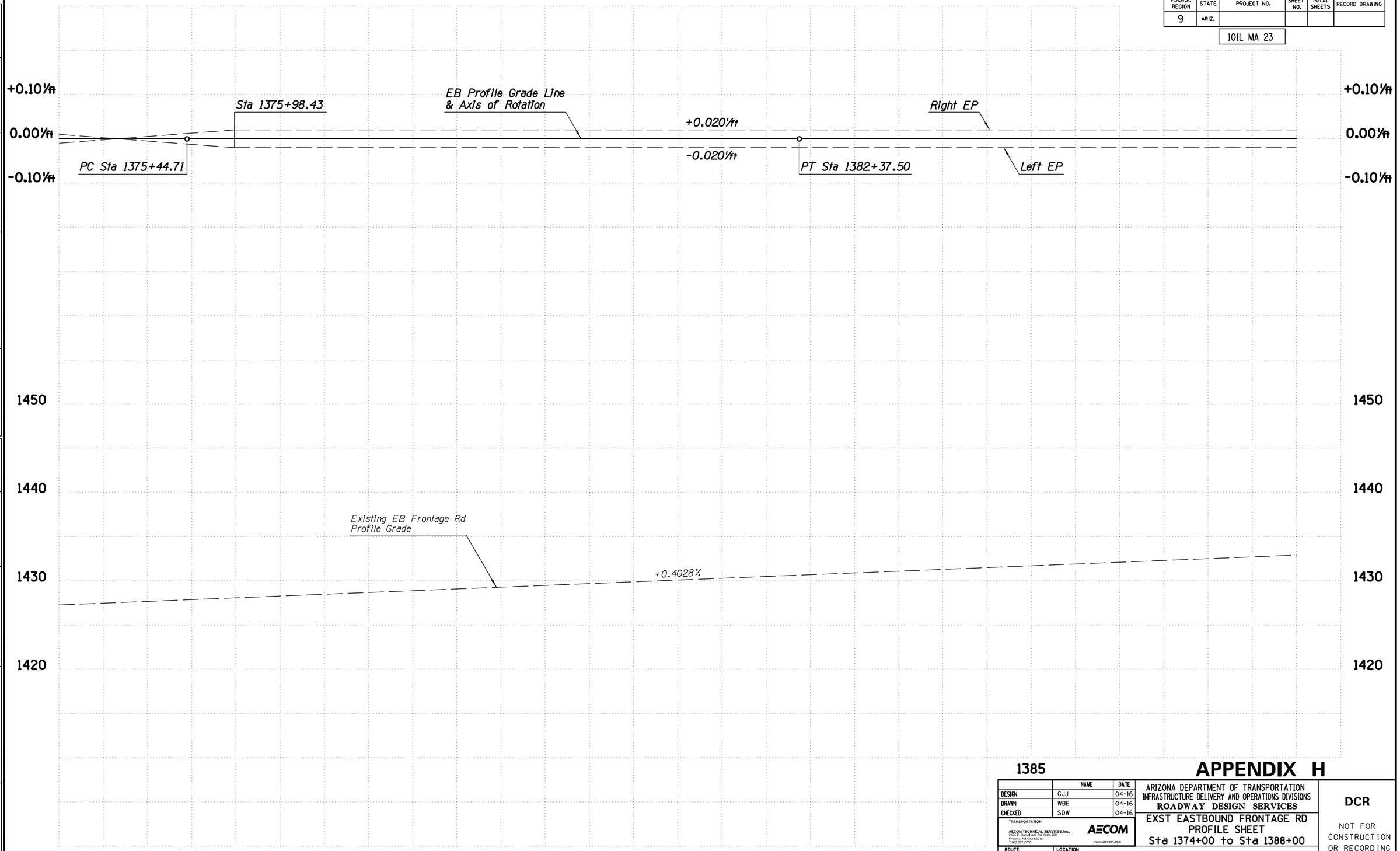
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v70.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST EASTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1374+00 to Sta 1388+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

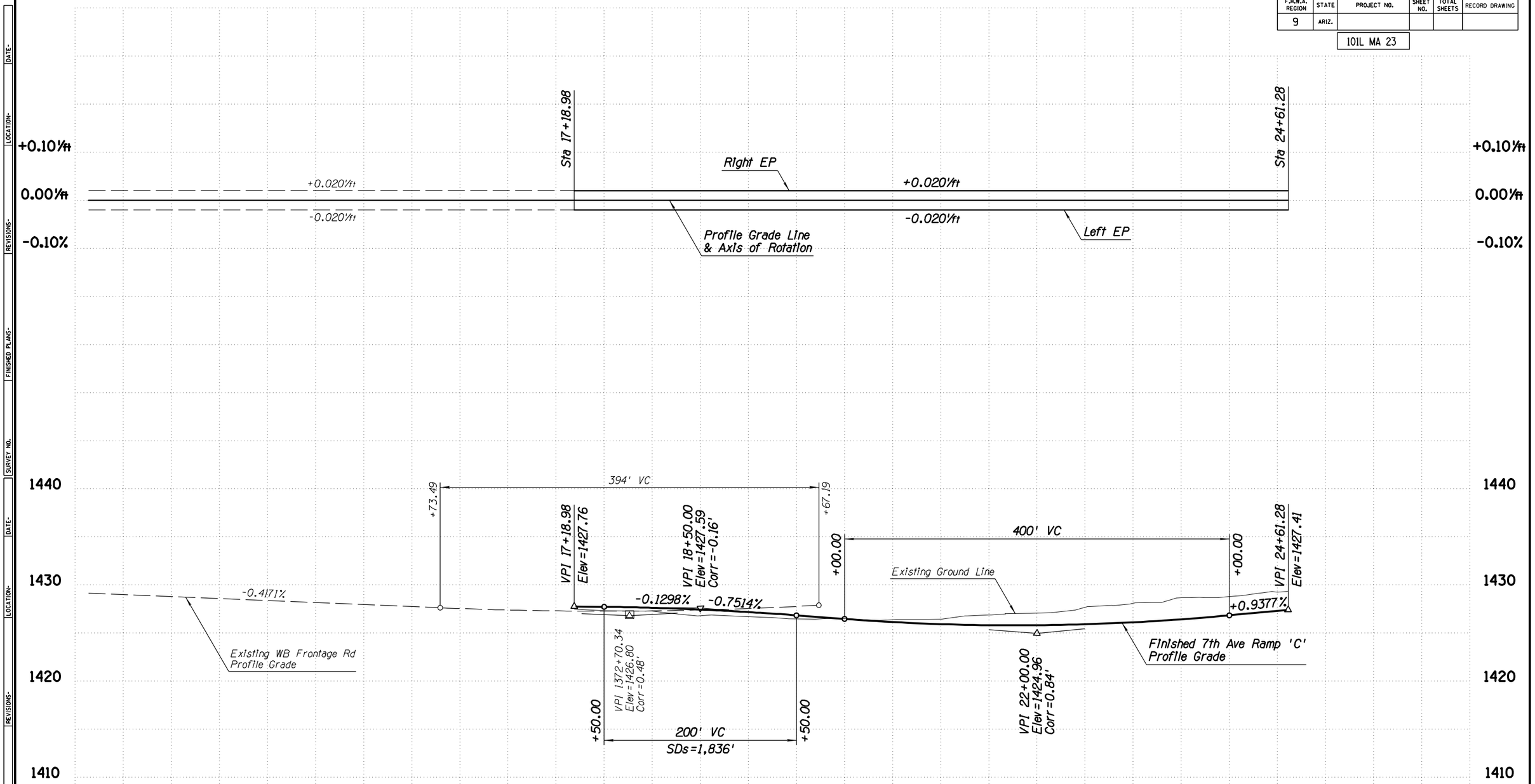
ROUTE	LOCATION	DWG NO. C-2.33
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v89.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



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APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

7TH AVENUE RAMP 'C'
PROFILE SHEET
Sta 17+18.98 to Sta 24+61.28

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.34
TRACS NO. H8297 01L
___ OF ___

1370

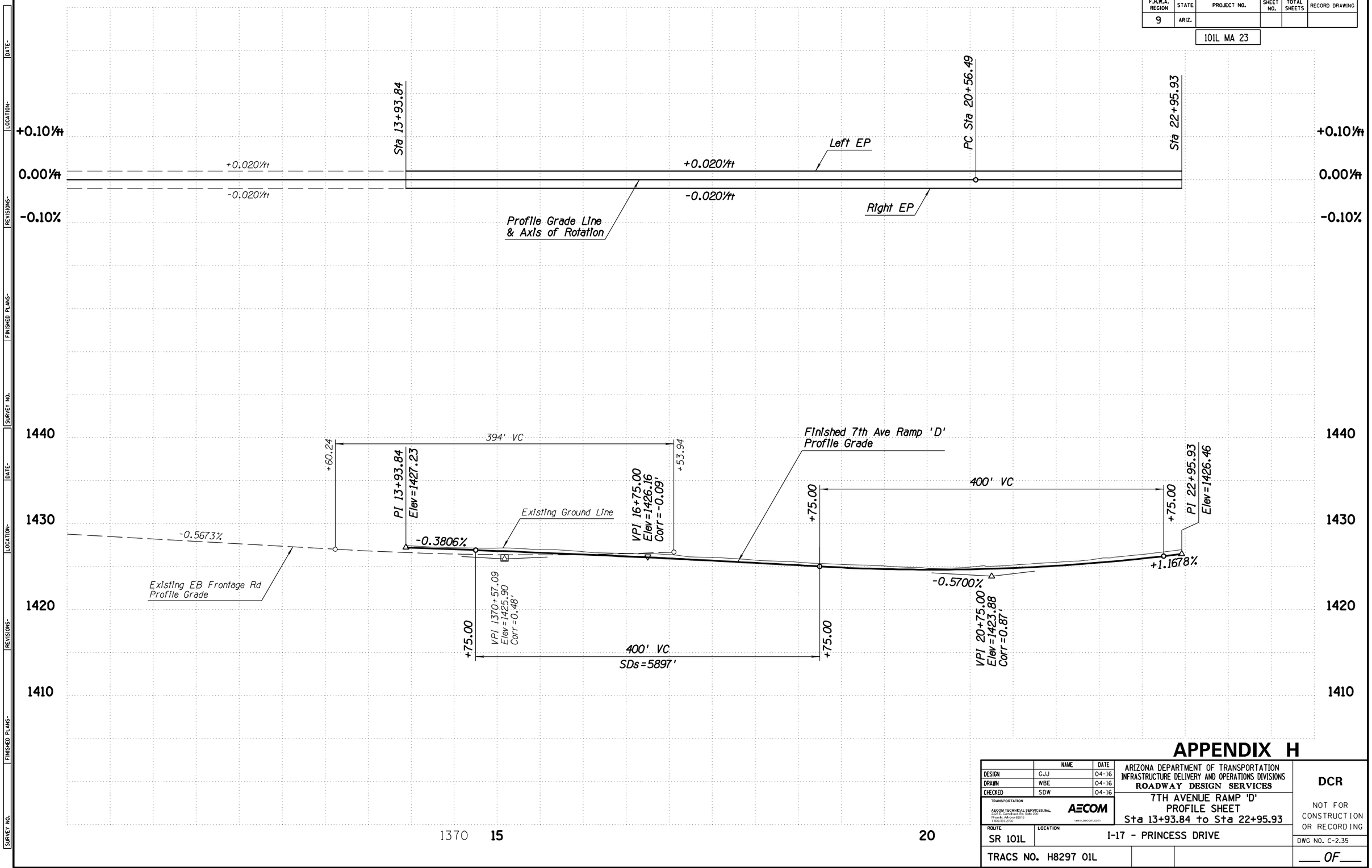
20

4/25/2016 U:\PIMA03\Prod\civ\h8297v109.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



1370 **15** **20**

APPENDIX H

	NAME	DATE
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CHECKED	SDW	04-16

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

7TH AVENUE RAMP 'D'
PROFILE SHEET
Sta 13+93.84 to Sta 22+95.93

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.35

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v110.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

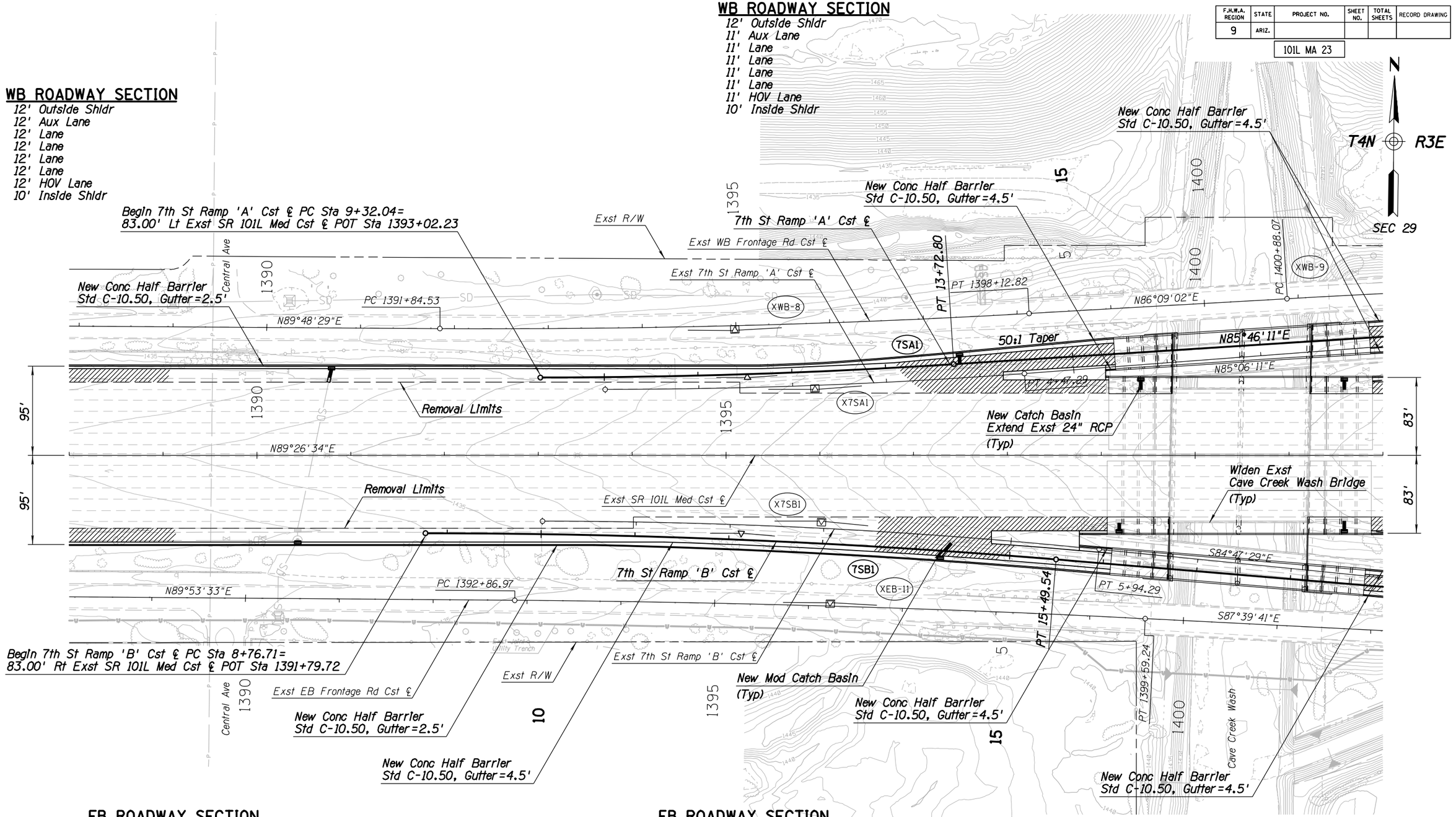
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

WB ROADWAY SECTION

12' Outside Shldr
11' Aux Lane
11' Lane
11' Lane
11' Lane
11' Lane
11' HOV Lane
10' Inside Shldr



EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

EB ROADWAY SECTION

10' Inside Shldr
11' HOV Lane
11' Lane
11' Lane
11' Lane
11' Lane
11' Aux Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2200 E. Camelback Rd. Suite 300
Phoenix, Arizona 85016
T 602.317.2700
AECOM
www.aecom.com

SR 101L MAINLINE
PLAN SHEET
Sta 1388+00 to Sta 1402+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.36

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297pl0.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.

+0.10%ft
0.00%ft
-0.10%ft

Right EP
+0.020%ft
-0.020%ft
Left EP

WB Profile Grade Line
& Axis of Rotation

+0.10%ft
0.00%ft
-0.10%ft

Left EP
+0.020%ft
-0.020%ft
Right EP

EB Profile Grade Line
& Axis of Rotation

Exst
Cave Creek Wash
Crossing

1460
1450
1440
1430
1420
1400
1390
1395

787' VC
+43.57
+30.97
+1.8675%
+0.4405%
VPI 1393+37.27
Elev=1434.98
Corr=1.40'
Existing WB & EB SR 101L
Profile Grade
Existing Ground Line

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
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CHECKED	SDW	04-16

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1388+00 to Sta 1402+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	C-2.37
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v10.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

+0.10'/ft
0.00'/ft
-0.10'/ft

WB Profile Grade Line & Axis of Rotation
+0.020'/ft
Right EP
-0.020'/ft
Left EP
PC Sta 1391+84.53
PT Sta 1398+12.82
PC Sta 1400+88.07

Exst Cave Creek Wash Crossing

1460
1450
1440
1430
1420

+02.89
394' VC
+96.59
+0.5499%
+1.9740%
-1.4794%
+27.82
459' VC
SDs=542'
Existing WB Frontage Rd Profile Grade
Existing Ground Line
VPI 1395+99.74
Elev=1439.61
Corr=0.70'
VPI 1401+57.48
Elev=1450.62
Corr=-1.98'

1390
1395
1400

APPENDIX H

	NAME	DATE
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ARIZONA DEPARTMENT OF TRANSPORTATION
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ROADWAY DESIGN SERVICES

EXST WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1388+00 to Sta 1402+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.38

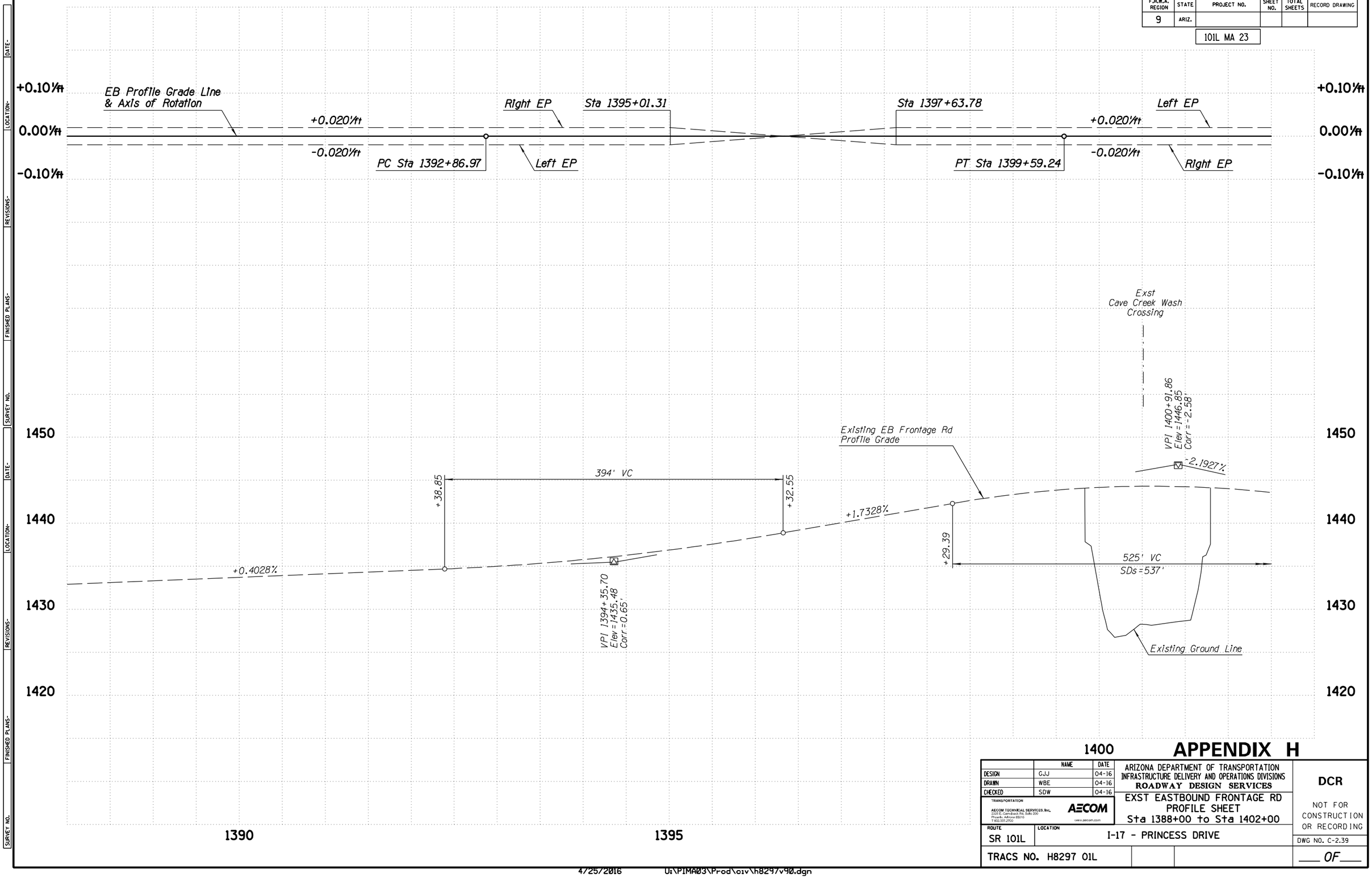
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v71.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
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ARIZONA DEPARTMENT OF TRANSPORTATION
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ROADWAY DESIGN SERVICES

EXST EASTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1388+00 to Sta 1402+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.39

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v90.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

N

T4N R3E

SEC 28

End 7th St Ramp 'A' Cst ℄ Sta 27+18.38=
0.00' Rt Exst WB Frontage Rd Cst ℄ Sta 1410+76.00

Exst 7th St Cst ℄

Exst WB Frontage Rd Cst ℄

Exst R/W

PT 1407+20.69

Exst 7th St Ramp 'A' Cst ℄

7th St Ramp 'A' Cst ℄

New Conc Curb & Gutter
Type C, Std C-05.10

XWB-9

N85°06'11"E

New Retaining Wall

New Retaining Half Barrier
Special Detail

New Conc Half Barrier
Special Detail, Gutter=4.5'

N89°36'11"E

S0°00'10"W

PI 18+64.88

N85°46'11"E

16'

16'

83'

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

Removal Limits

Exst SR 101L Med Cst ℄

PI 1410+76.07

N89°26'34"E

N88°46'53"E

Removal Limits

83'

16'

New Conc Curb & Gutter
Type C, Std C-05.10

New Conc Half Barrier
Std C-10.50, Gutter=2.5'

Widen Exst
7th St Overpass
(Typ)

S85°47'29"E

S84°47'29"E

10'

S87°39'41"E

X7SB2

7SB2

XEB-12

Exst Drainage Channel

PC 1405+60.76

Exst R/W

PC 13+82.67

PC 24+85.74

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

7th St Ramp 'B' Cst ℄

Exst 7th St Ramp 'B' Cst ℄

Exst EB Frontage Rd Cst ℄

End 7th St Ramp 'B' Cst ℄ PT Sta 30+30.10=
11.81' Lt Exst EB Frontage Rd Cst ℄ Sta 1413+42.08

S0°07'30"E

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1402+00 to Sta 1416+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.40

TRACS NO. H8297 01L

___ OF ___

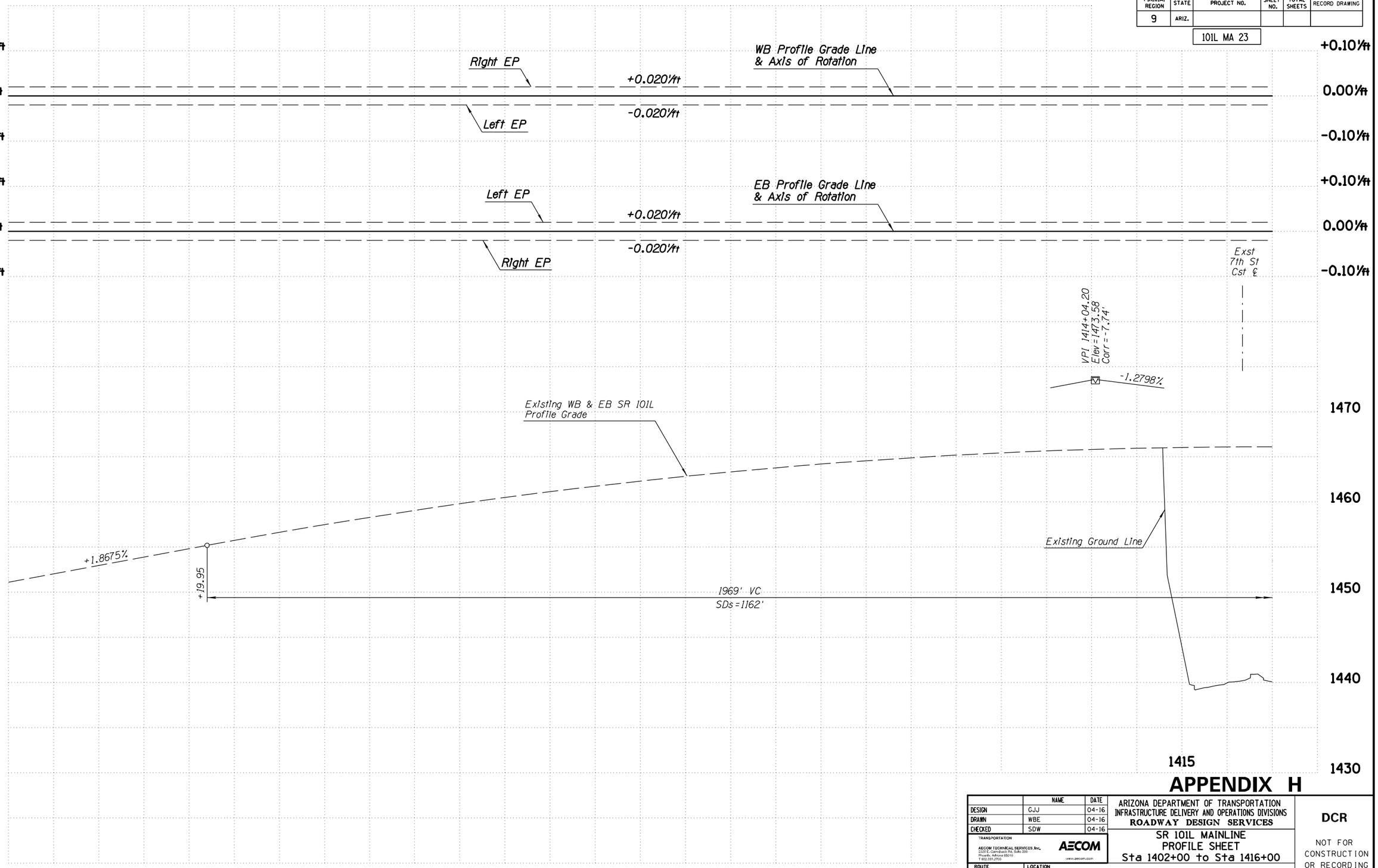
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297p11.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.317.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1402+00 to Sta 1416+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.41

TRACS NO. H8297 01L

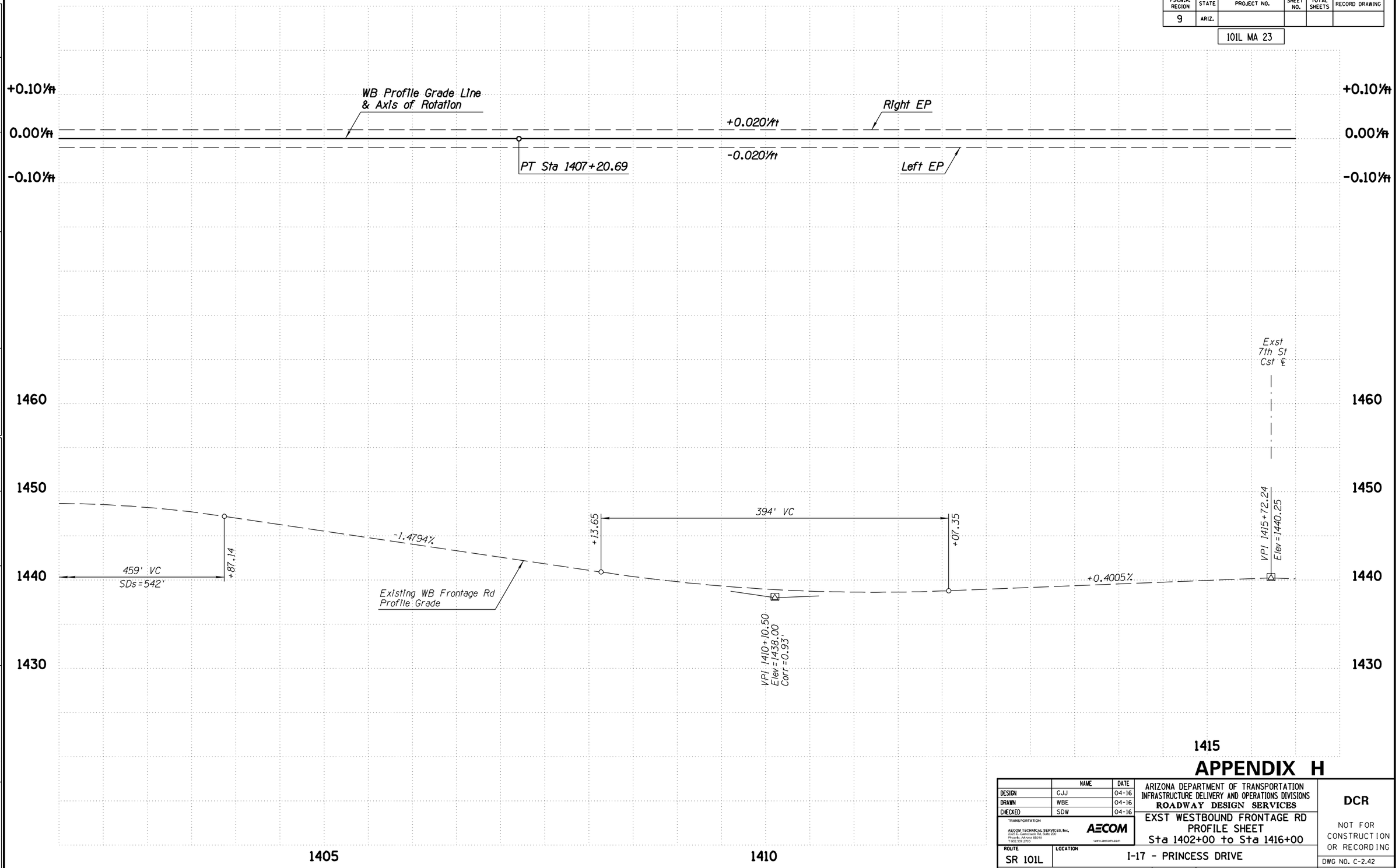
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v11.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.371.2700
AECOM
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1402+00 to Sta 1416+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

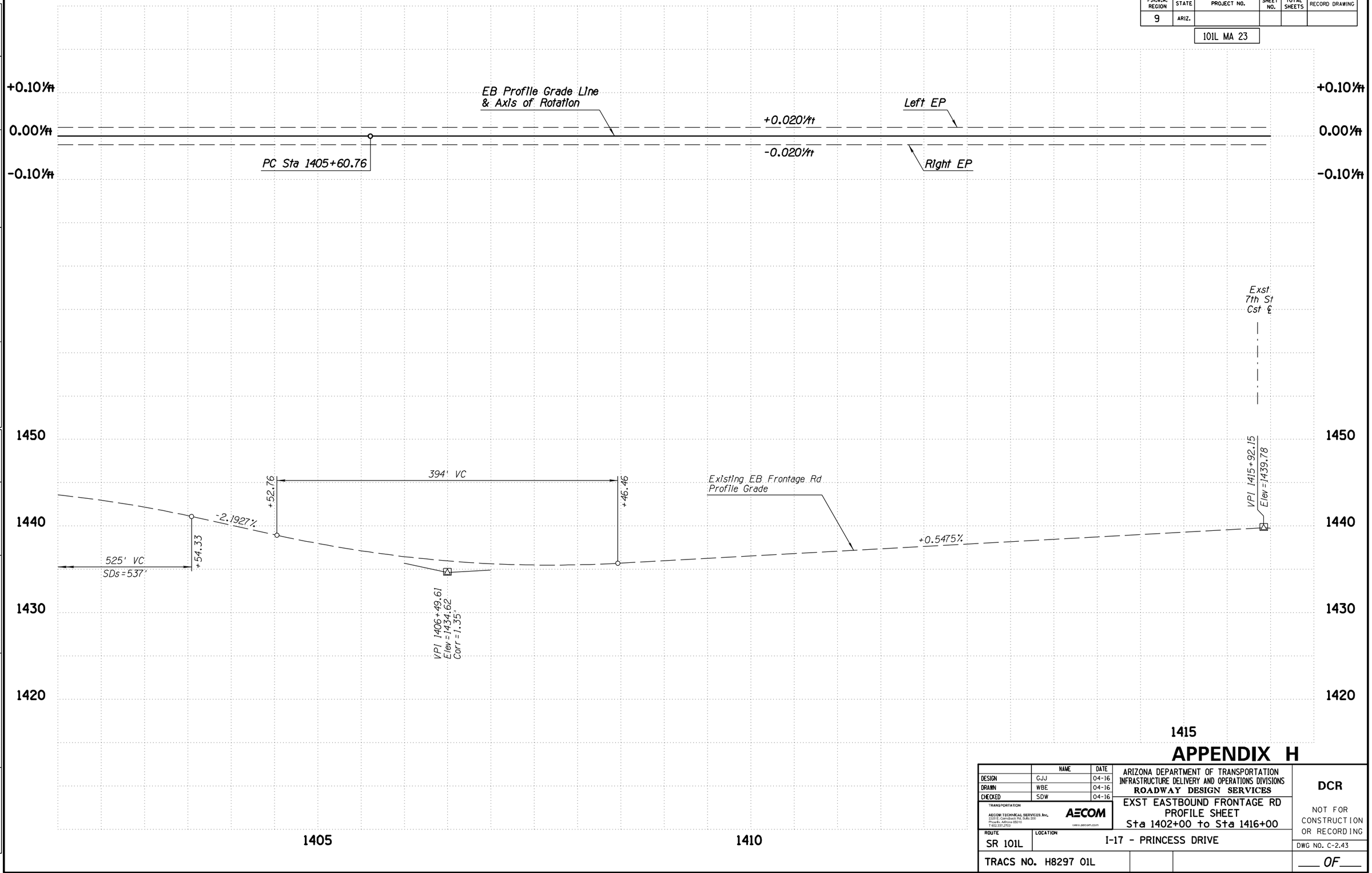
ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	C-2.42
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v72.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.371.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST EASTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1402+00 to Sta 1416+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

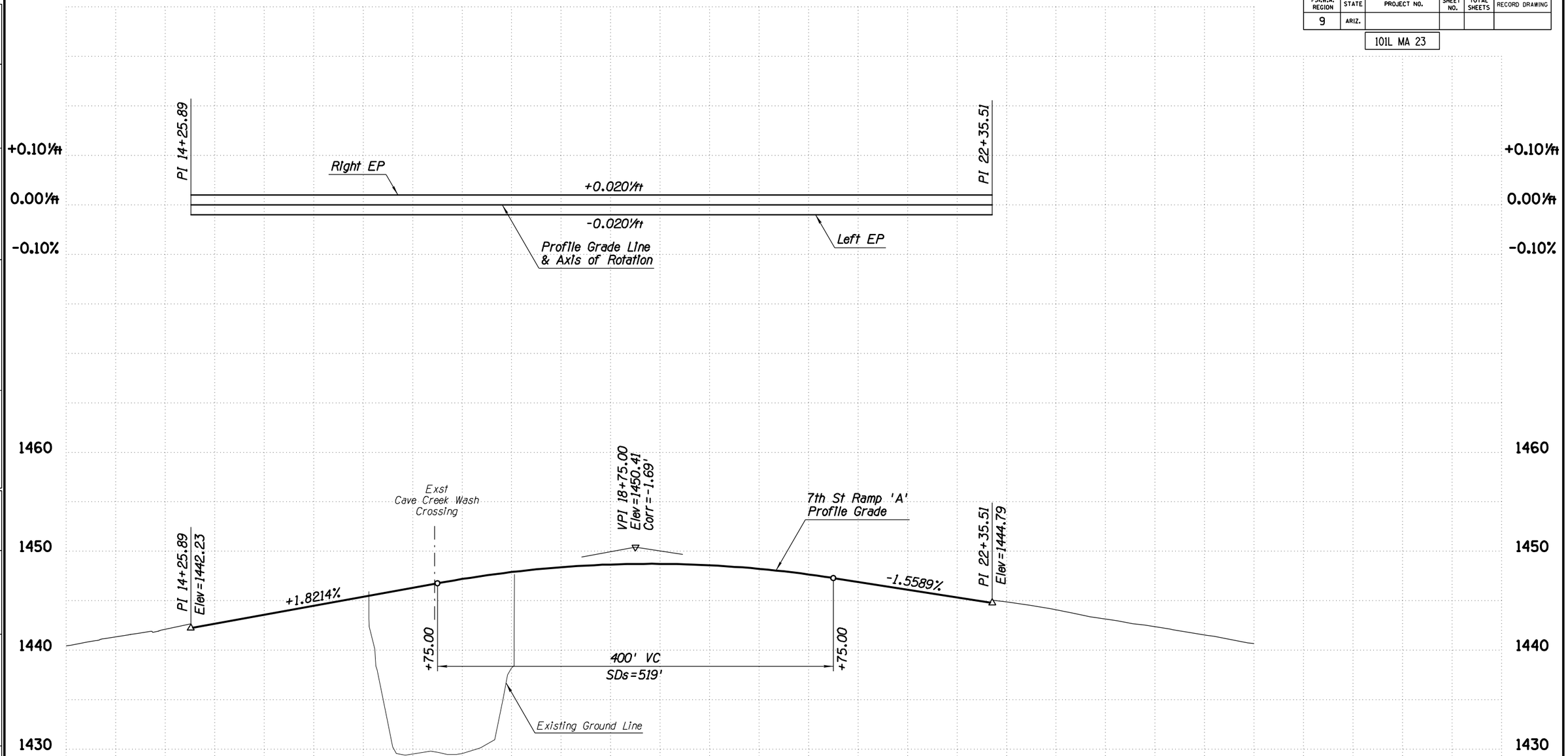
ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.43
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v91.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2325 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.337.2700
AECOM
www.aecom.com

7TH STREET RAMP 'A'
PROFILE SHEET
Sta 14+25.89 to Sta 22+35.51

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.44

TRACS NO. H8297 01L

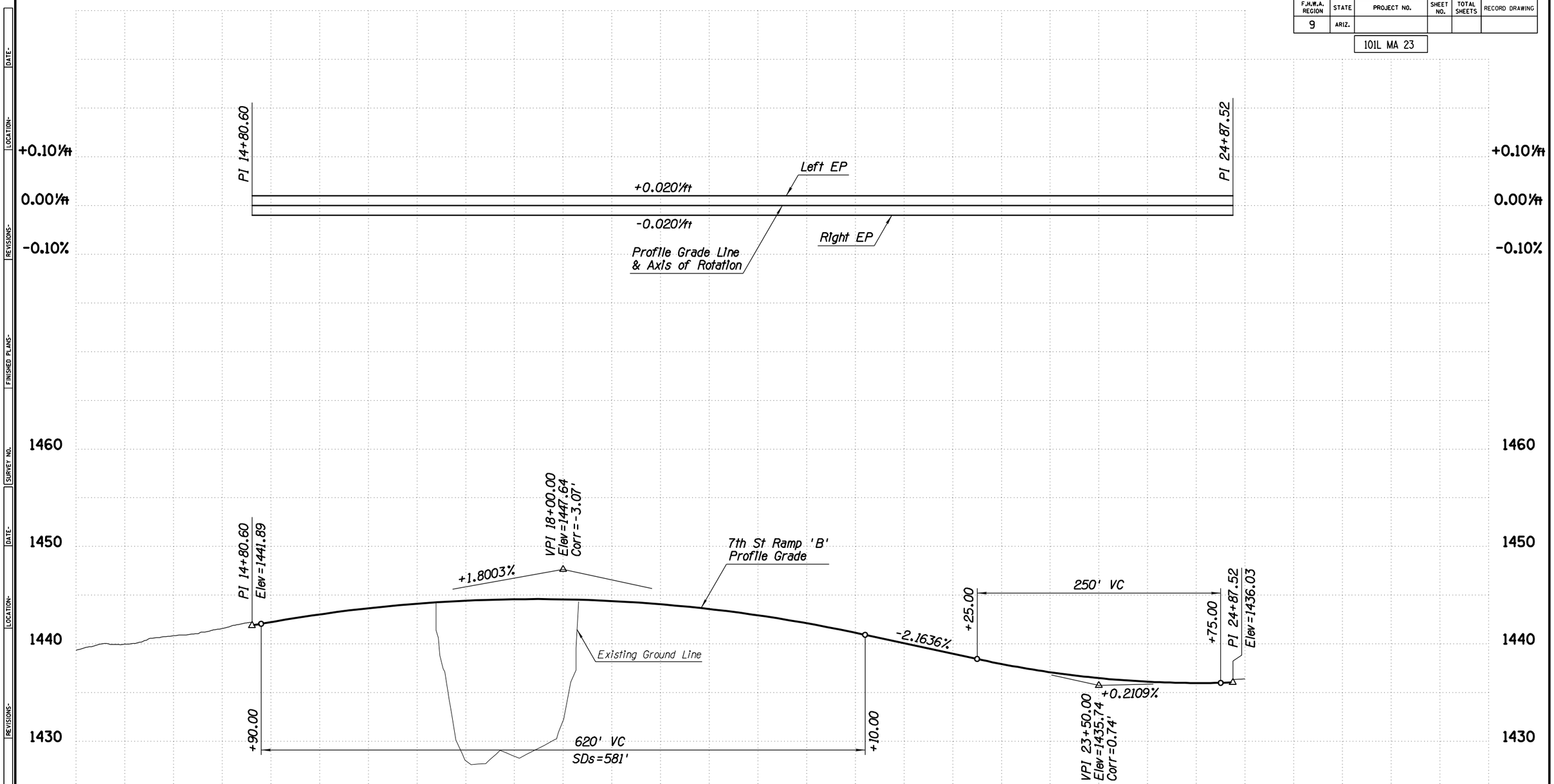
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v111.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION

AECOM TECHNICAL SERVICES, Inc.
2200 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.337.2700

AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

7TH STREET RAMP 'B'
PROFILE SHEET
Sta 14+80.60 to Sta 24+87.52

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.45

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v112.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

WB ROADWAY SECTION

12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

Begin 7th St Ramp 'C' Cst ℄ PC Sta 10+00.00=
11.81' Rt Exst WB Frontage Road Cst ℄ POT Sta 1421+52.23

Exst R/W

7th St Ramp 'C' Cst ℄ Sta 14+09.58=
24.01' Rt Exst WB Frontage Rd Cst ℄
Sta 1425+61.58

Nose of Gore Control Point

T4N R3E

SEC 28

Exst Retention Basin

Exst WB Frontage Rd Cst ℄

Exst 7th St Ramp 'C' Cst ℄

PT 2+86.19

PT 3+63.98

PI 15+72.67

New Conc Curb & Gutter
Type C, Std C-05.10

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

PI 1427+94.49

7th St Ramp 'C' Cst ℄

N89°36'11"E

S87°46'24"E

S87°13'07"E

S89°59'57"E

Widen Exst
7th St Overpass
(Typ)

New Retaining Wall

New Conc Half Barrier
Special Detail, Gutter=4.5'

7SC1

X7SC1

Removal Limits

New Retaining Half Barrier
Special Detail

New Conc Curb & Gutter
Type C, Std C-05.10

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

N88°46'53"E

New Conc Half Barrier
Std C-10.50, Gutter=2.5'

Removal Limits

New Conc Curb & Gutter
Type C, Std C-05.10

Exst SR 101L Med Cst ℄

New Conc Half Barrier
Special Detail, Gutter=2.5'

New Retaining Wall

X7SD2

Exst 7th St Ramp 'D' Cst ℄

PC 4+61.74

7SD1

7SD2

XEB-13

PT 20+28.79

N87°09'53"E

PT 1429+69.94

X7SD1

N80°50'32"E

N85°20'42"E

XEB-12

New Catch Basin
(Typ)

New Retaining Half Barrier
Special Detail

New Noise Wall

Exst R/W

PT 2+32.46

PT 1421+62.60

PC 14+61.75

PCC 15+40.00

PC 1423+44.69

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

New Conc Curb & Gutter
Type C, Std C-05.10

7th St Ramp 'D' Cst ℄

Exst EB Frontage Rd Cst ℄

Begin 7th St Ramp 'D' Cst ℄ POT Sta 13+83.42=
0.00' Rt Exst 7th St Ramp 'D' Cst ℄ POT Sta 3+83.42

7th St Ramp 'D' Cst ℄ Sta 13+82.42=
30.04' Lt Exst EB Frontage Rd Cst ℄
Sta 1421+79.25

Nose of Gore Control Point

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
7720 E. Gainsboro Rd, Suite 200
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1416+00 to Sta 1430+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.46

TRACS NO. H8297 01L

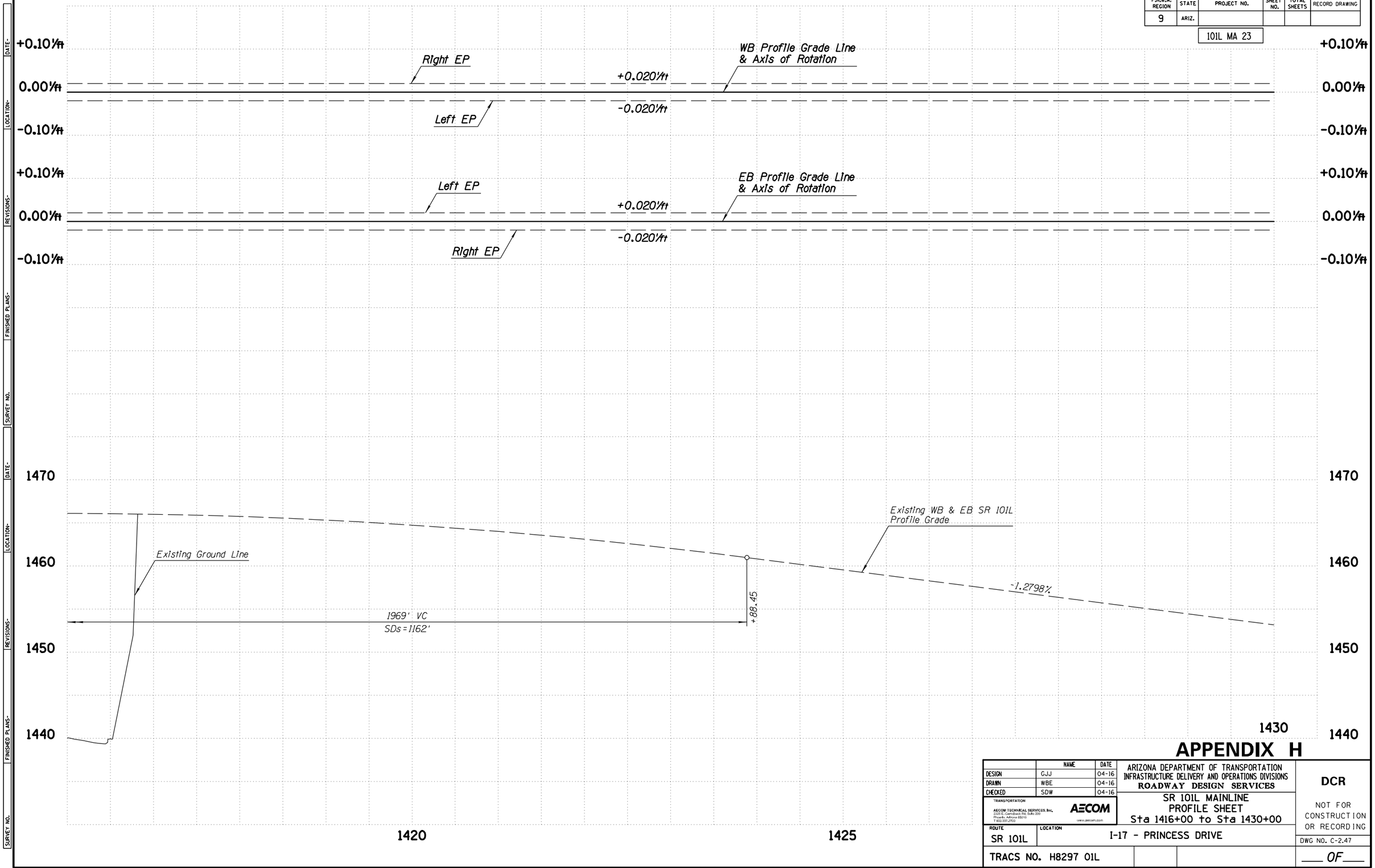
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297p12.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE-
LOCATION-
REVISIONS-
FINISHED PLANS-
SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1416+00 to Sta 1430+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.47

TRACS NO. H8297 01L

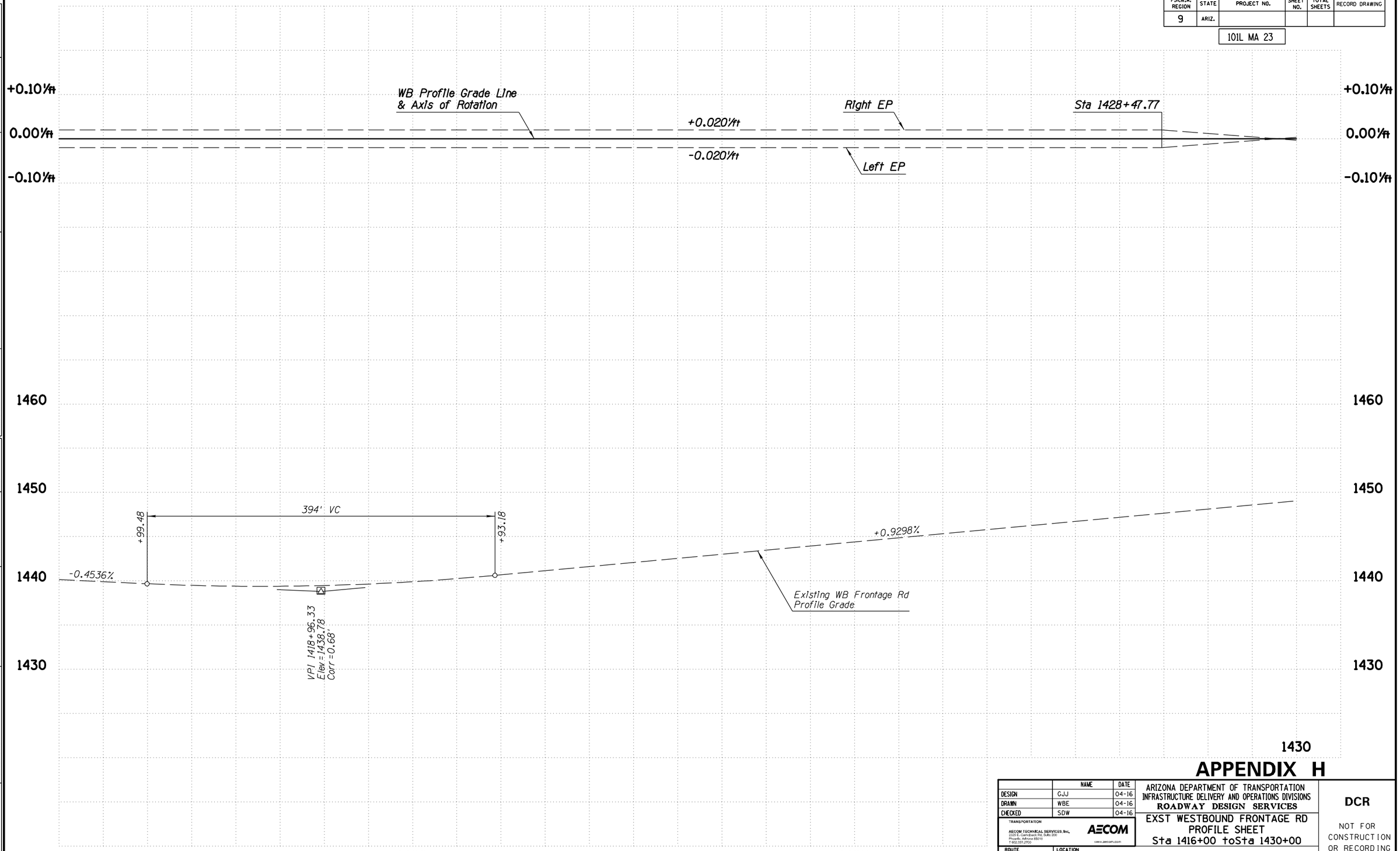
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v12.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.317.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1416+00 toSta 1430+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.48

TRACS NO. H8297 01L

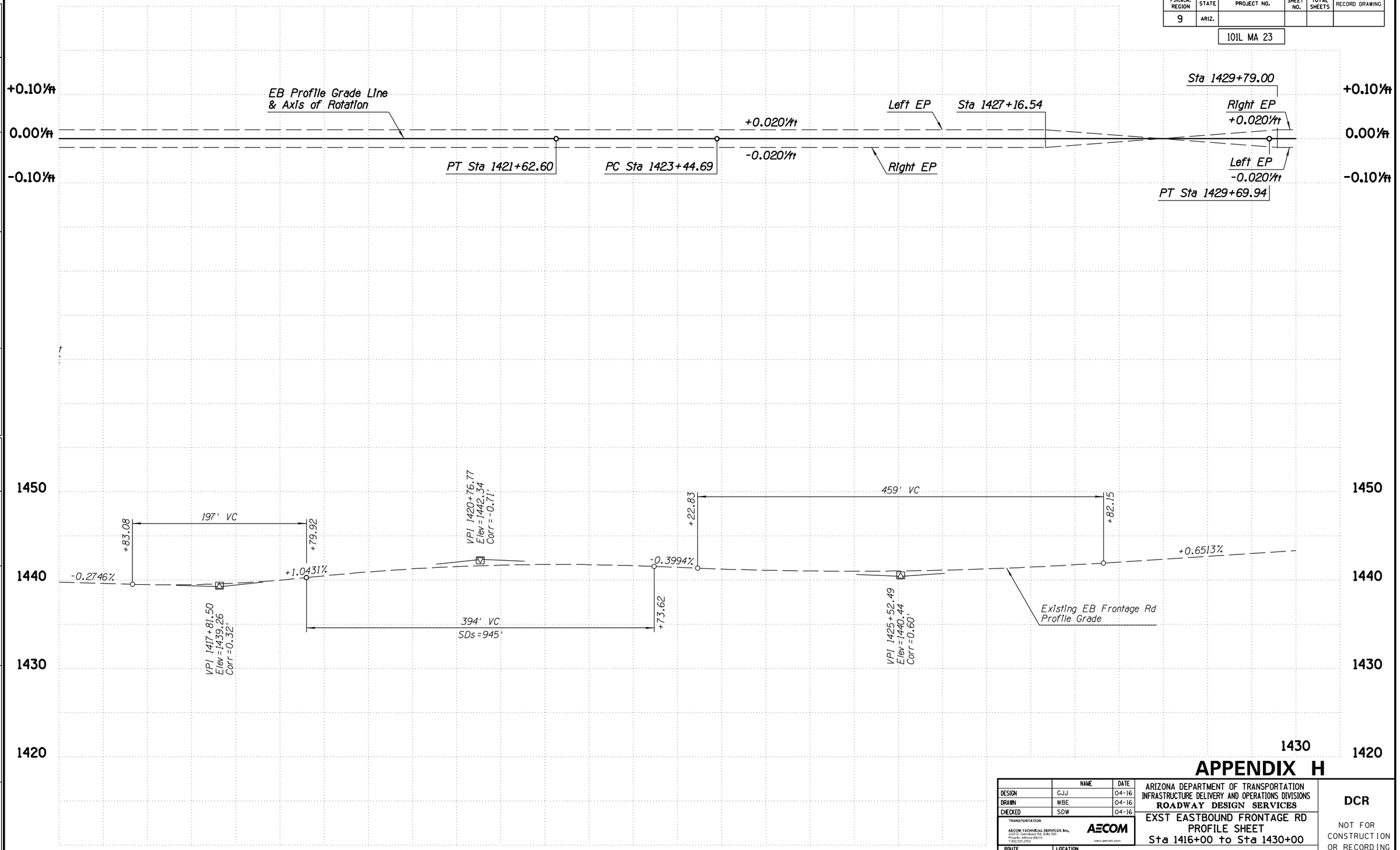
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v73.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.317.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST EASTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1416+00 to Sta 1430+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.49

TRACS NO. H8297 01L

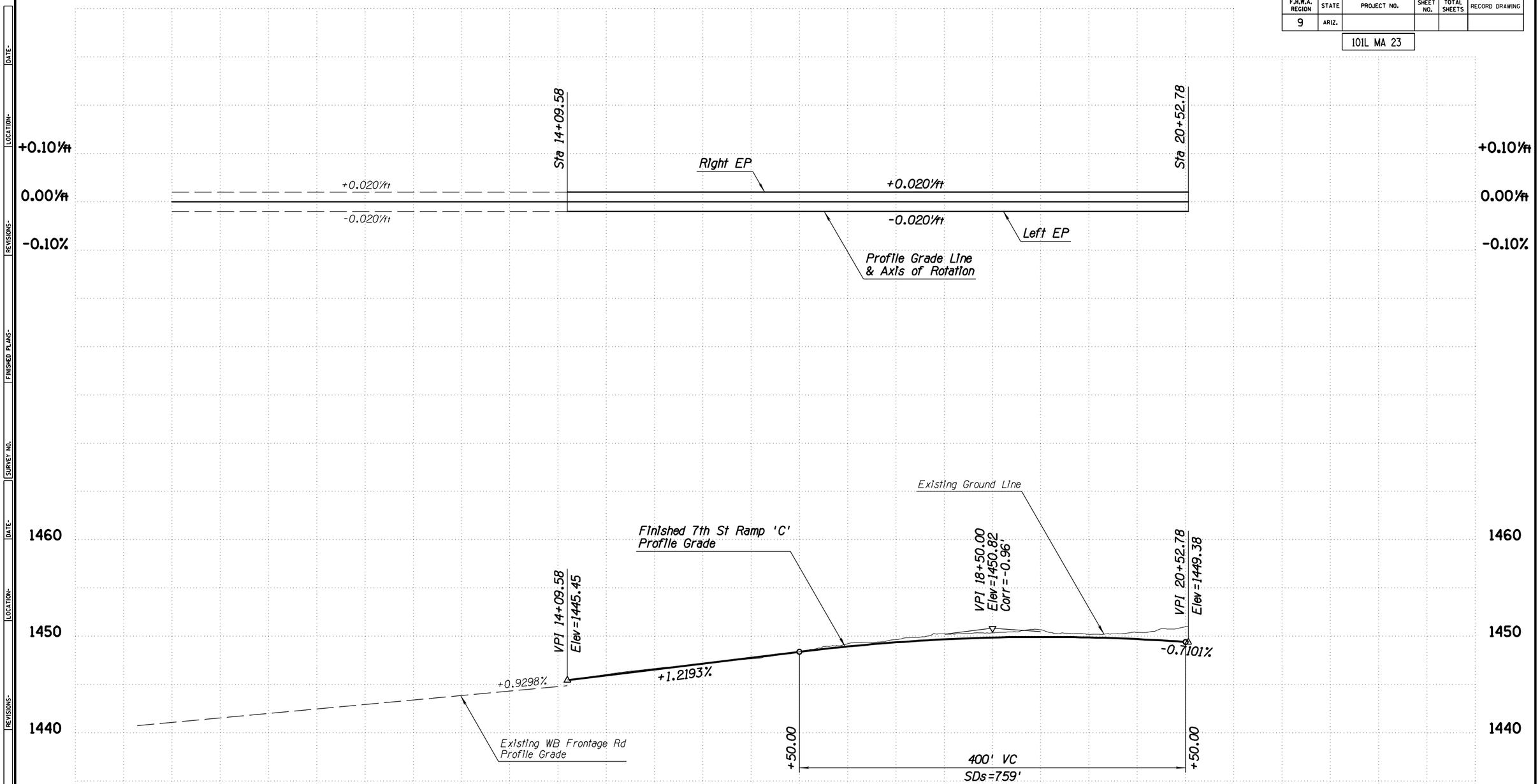
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v92.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



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APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

7TH STREET RAMP 'C'
PROFILE SHEET
Sta 14+09.58 to Sta 20+52.78

DCR

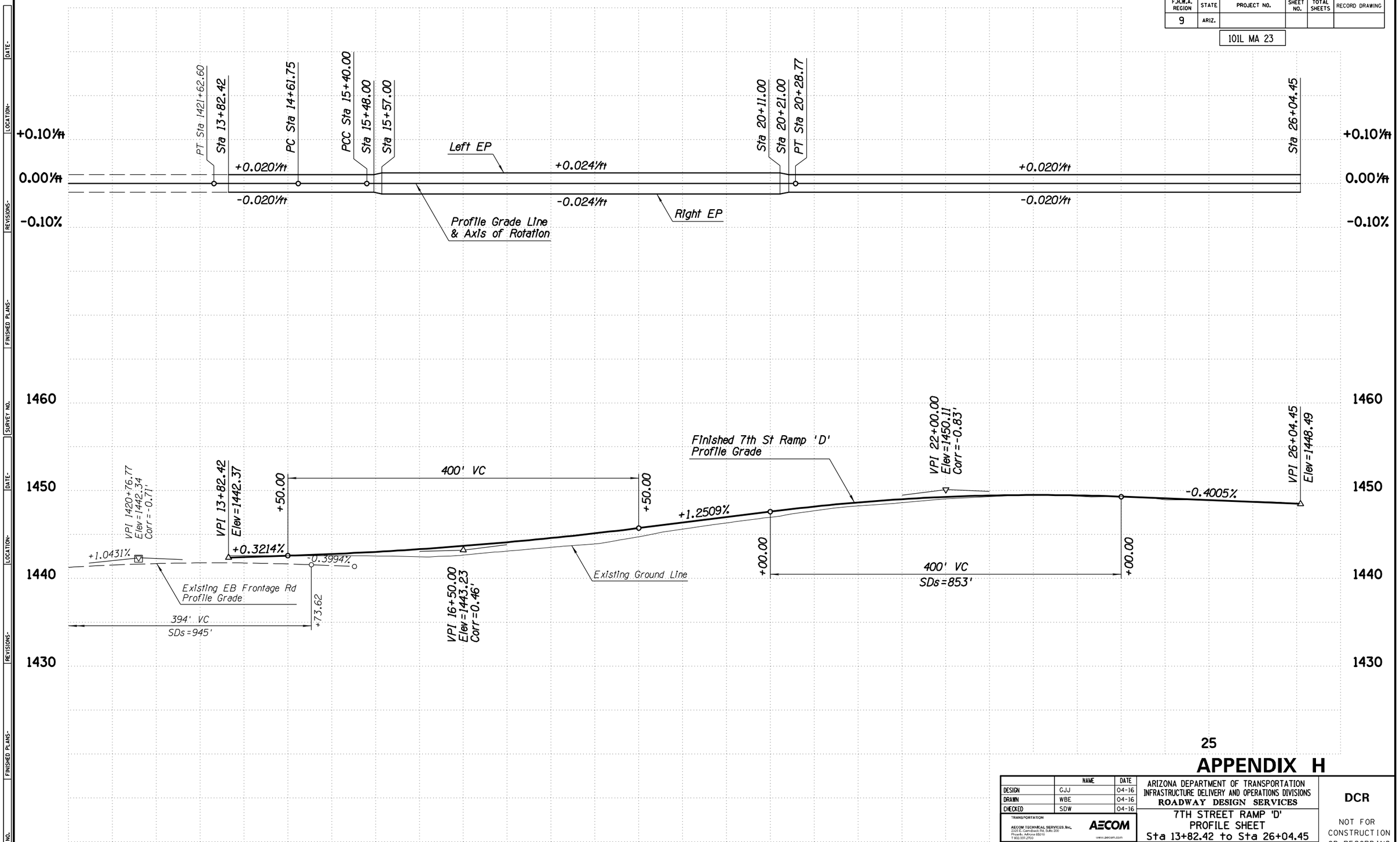
NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.50
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v113.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION

AECOM TECHNICAL SERVICES, Inc.
2205 E. Camelback Rd. Suite 200
Phoenix, Arizona 85016
T 602.371.2700

AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

7TH STREET RAMP 'D'
PROFILE SHEET
Sta 13+82.42 to Sta 26+04.45

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.51

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v114.dgn

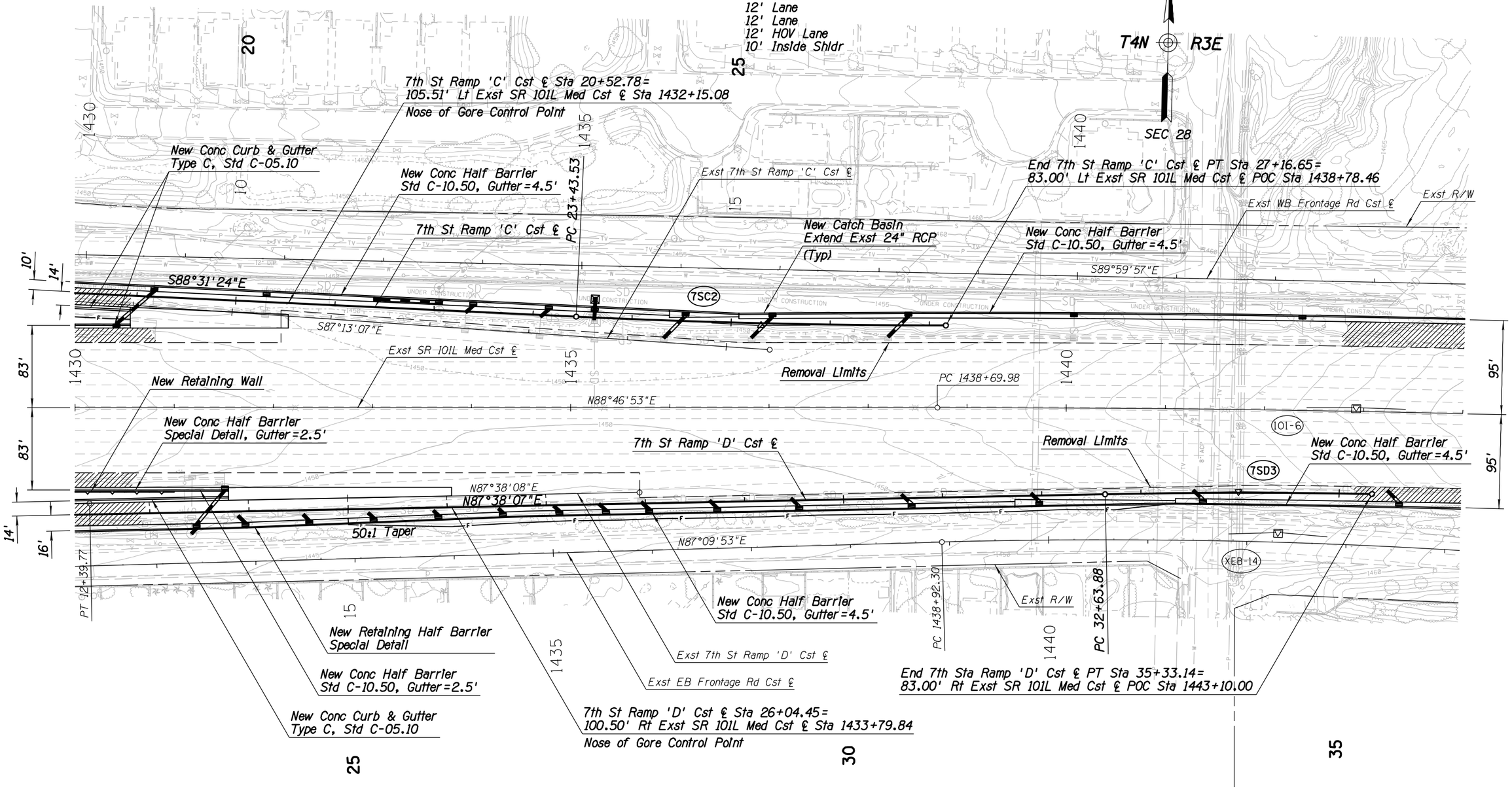
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr



EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2325 E. Camelback Rd, Suite 200
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1430+00 to Sta 1444+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.52

___ OF ___

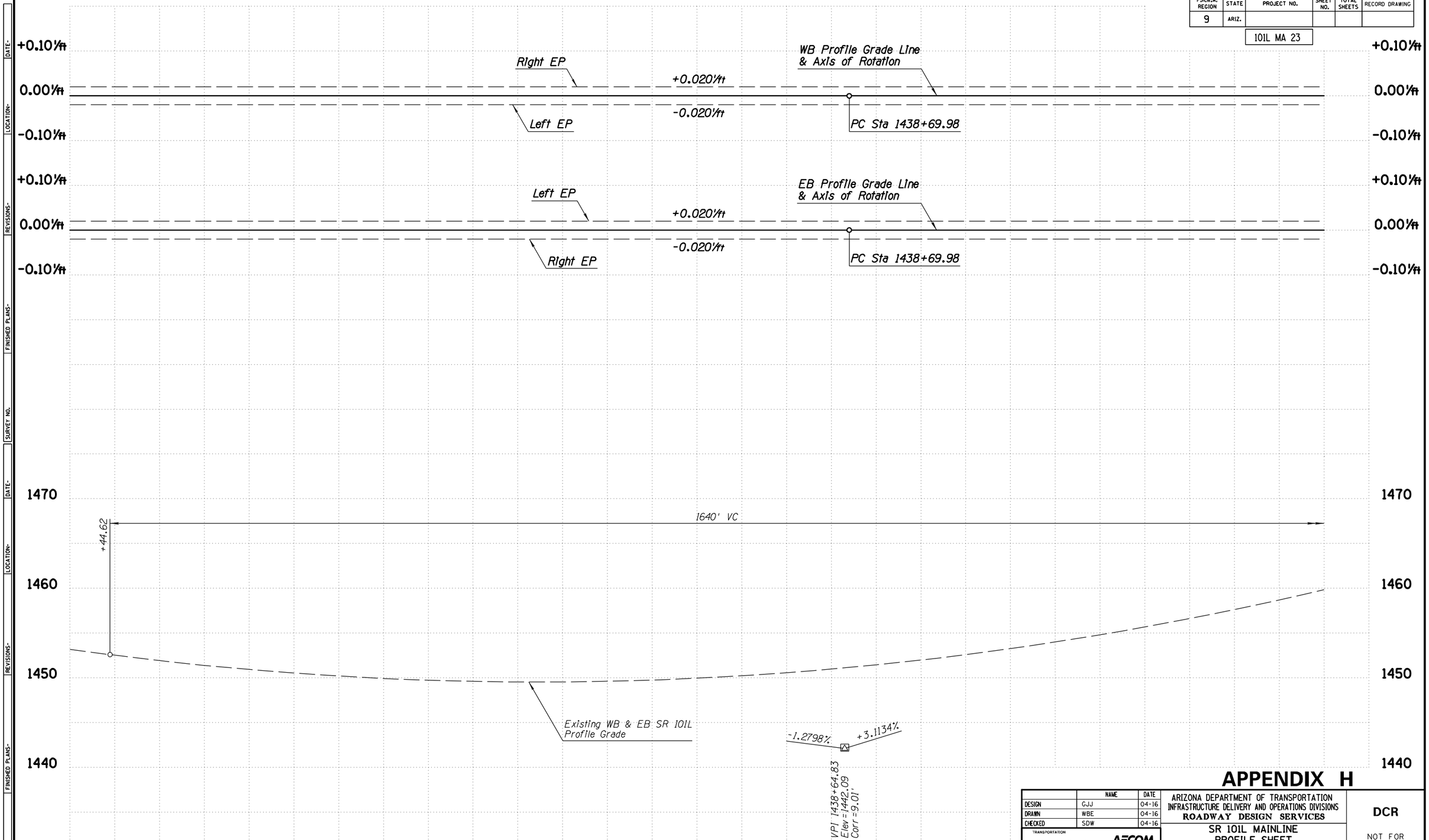
4/25/2016 U:\PIMA03\Prod\civ\h8297p13.dgn

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

	NAME	DATE
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TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1430+00 to Sta 1444+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.53

TRACS NO. H8297 01L

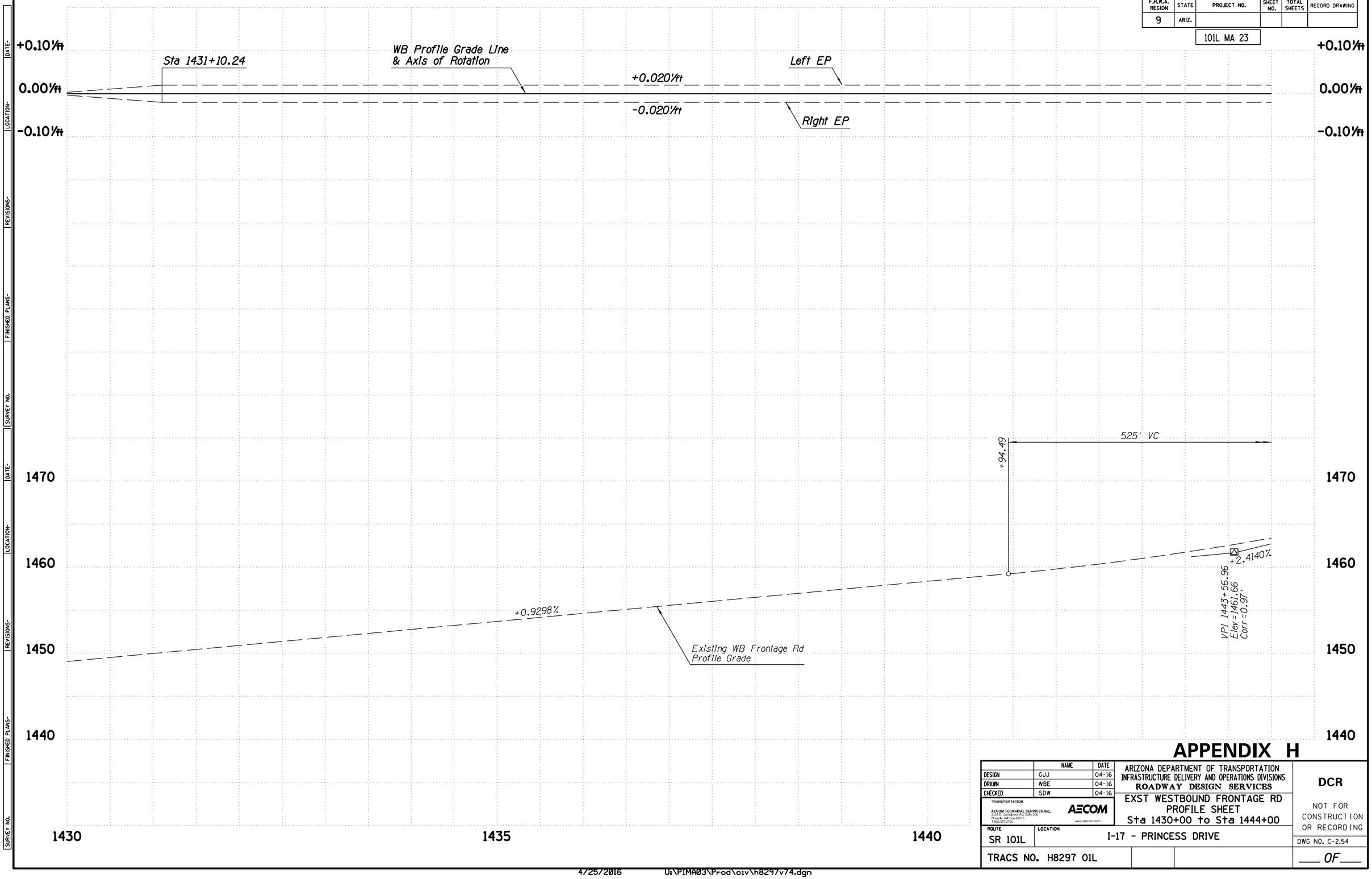
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v13.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
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TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1430+00 to Sta 1444+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.54

TRACS NO. H8297 01L

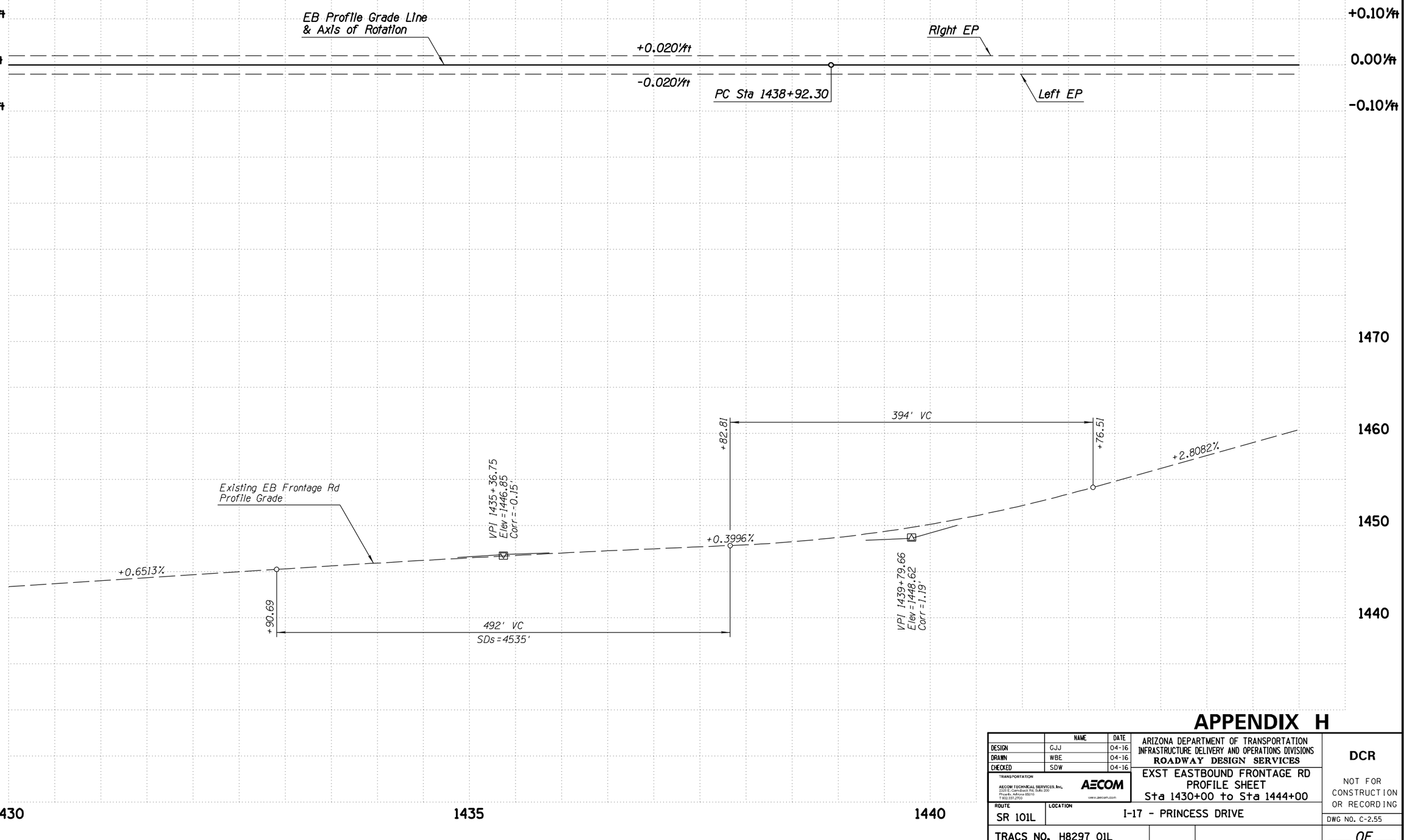
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v74.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
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TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 200
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST EASTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1430+00 to Sta 1444+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.55
TRACS NO. H8297 01L
___ OF ___

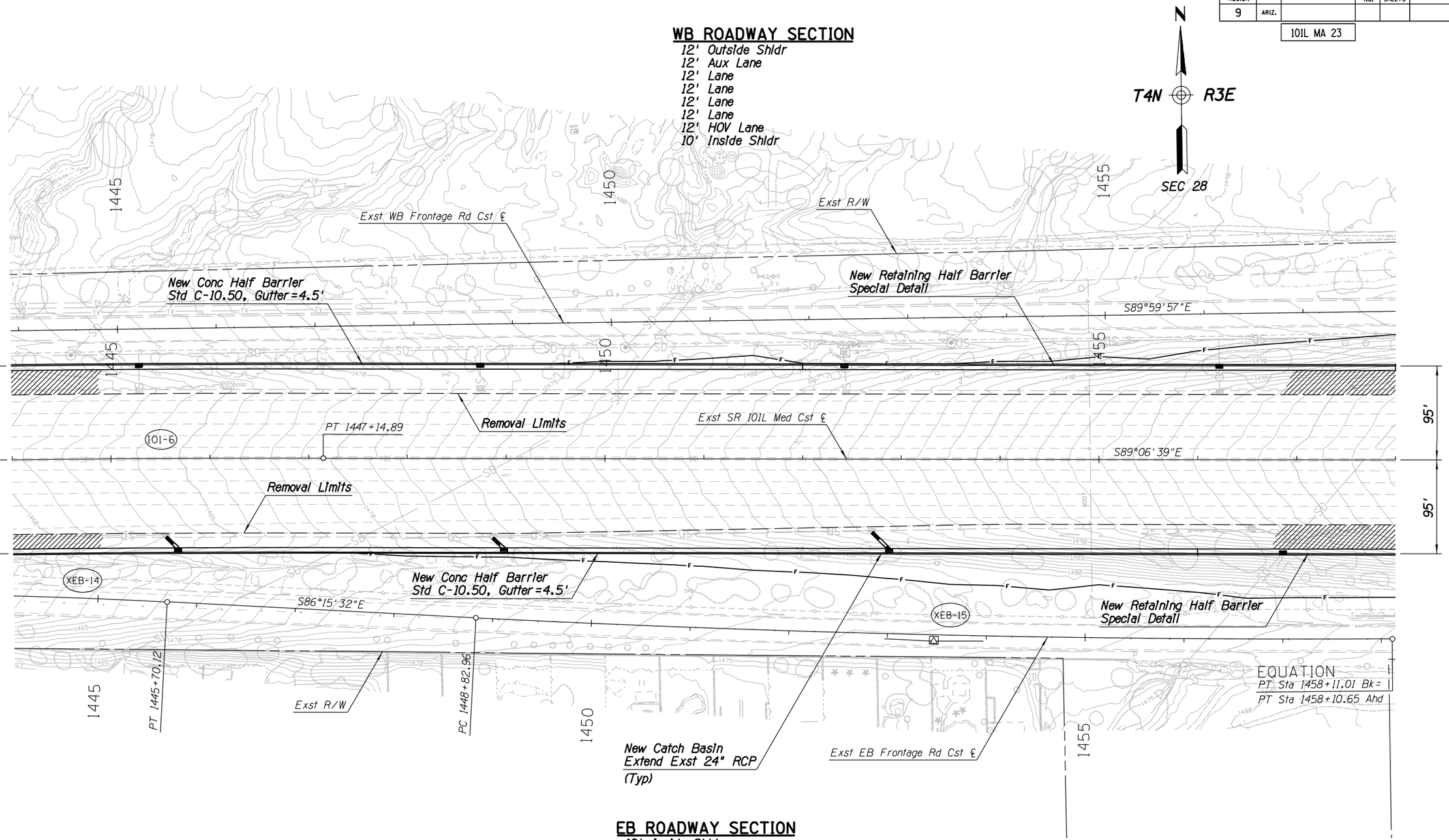
4/25/2016 U:\PIMA03\Prod\civ\h8297v93.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr



EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2020 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.331.2900
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1444+00 to Sta 1458+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.56

TRACS NO. H8297 01L

___ OF ___

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297p14.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.

+0.10'/ft
0.00'/ft
-0.10'/ft

Right EP
+0.020'/ft
WB Profile Grade Line
& Axis of Rotation
-0.020'/ft
PT Sta 1447+14.89
Left EP

+0.10'/ft
0.00'/ft
-0.10'/ft

Left EP
+0.020'/ft
EB Profile Grade Line
& Axis of Rotation
-0.020'/ft
PT Sta 1447+14.89
Right EP

1510
1500
1490
1480
1470
1460
1455
1445
1450

+3.1134%
1640' VC
+85.04
Existing WB & EB SR 101L
Profile Grade

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

TRANSPORTATION
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2020 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.337.2900
AECOM
www.aecom.com

SR 101L MAINLINE
PROFILE SHEET
Sta 1444+00 to Sta 1458+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

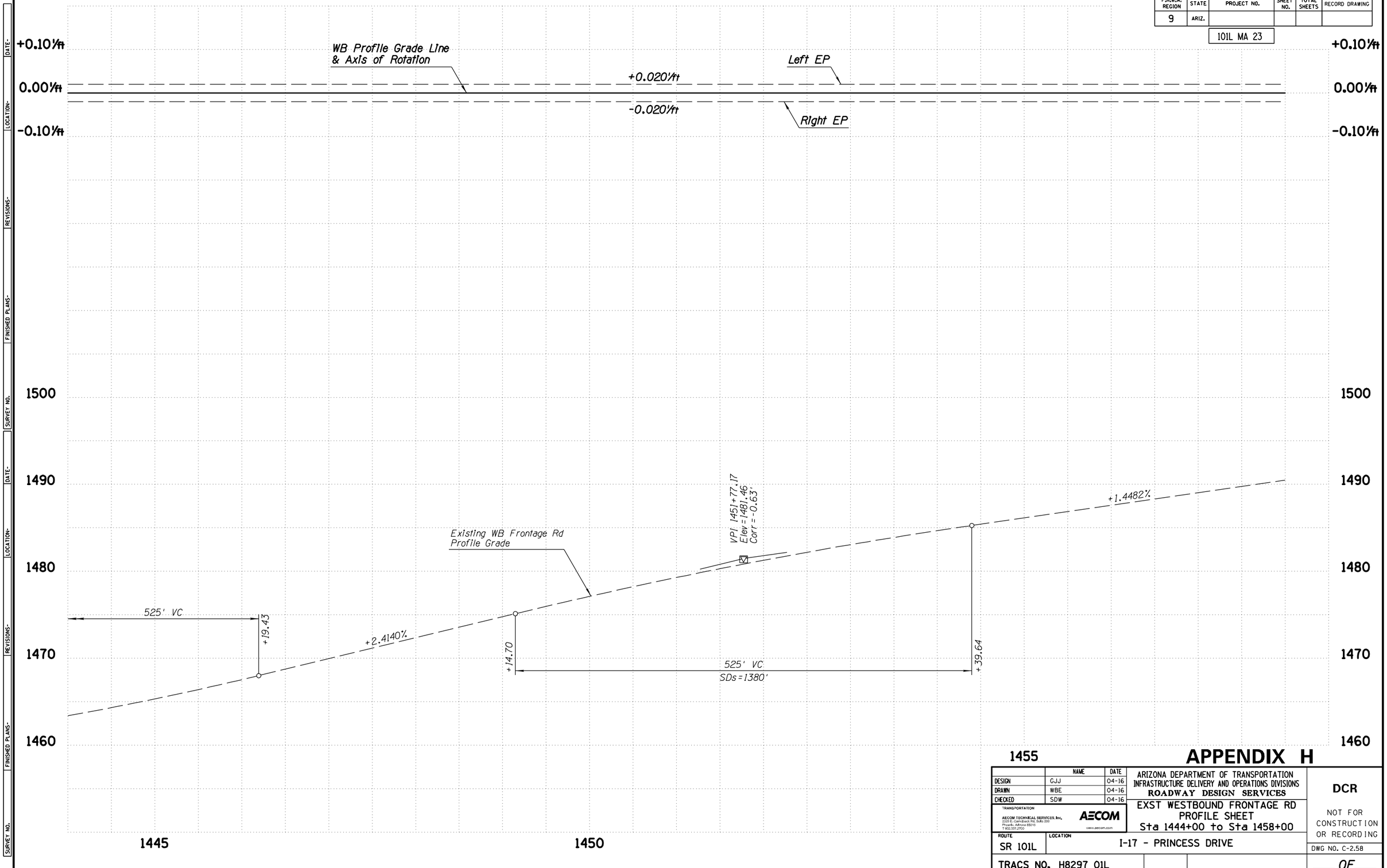
ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.57
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v14.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1444+00 to Sta 1458+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

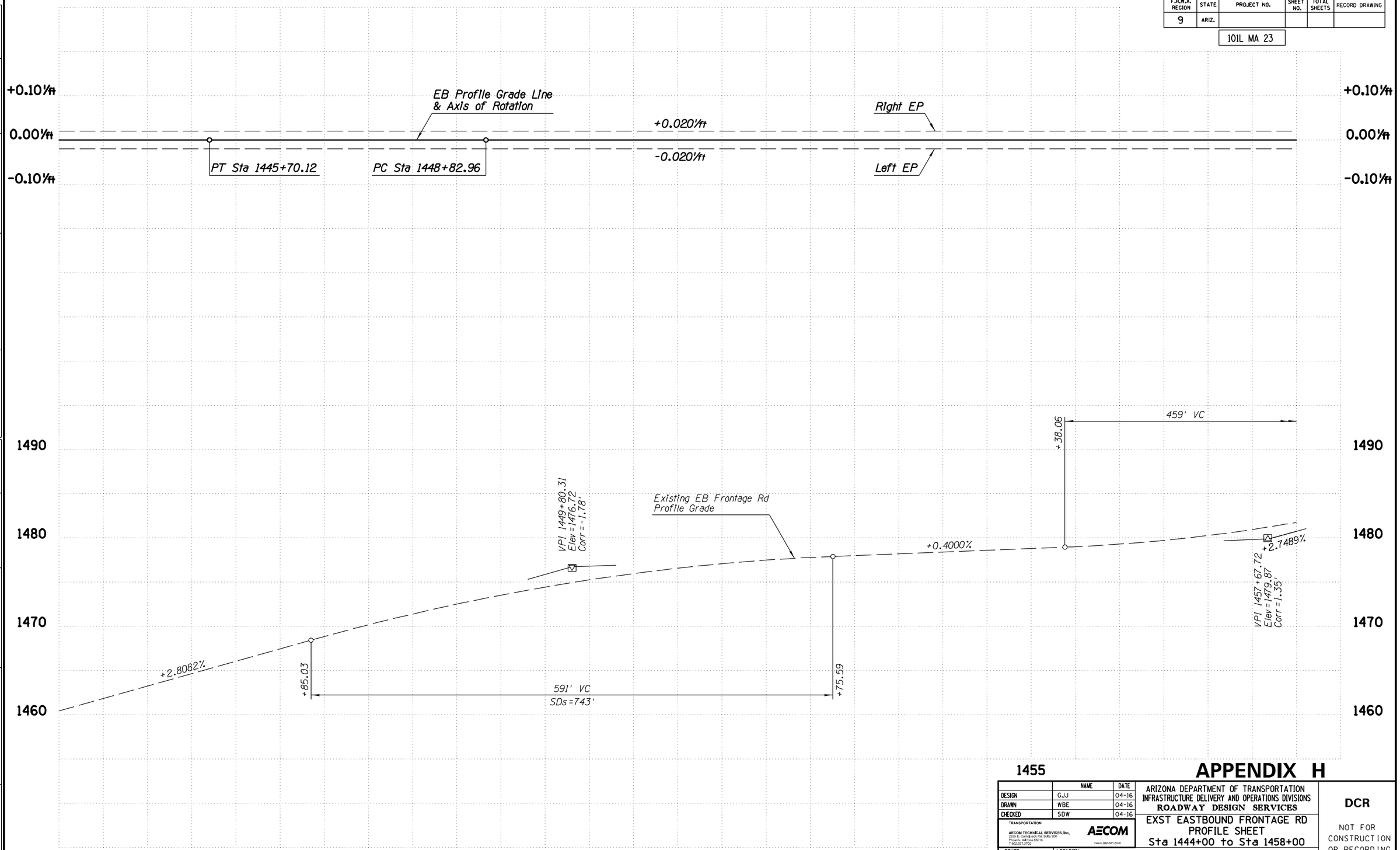
ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	C-2.58
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v75.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST EASTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1444+00 to Sta 1458+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L

LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.59

TRACS NO. H8297 01L

___ OF ___

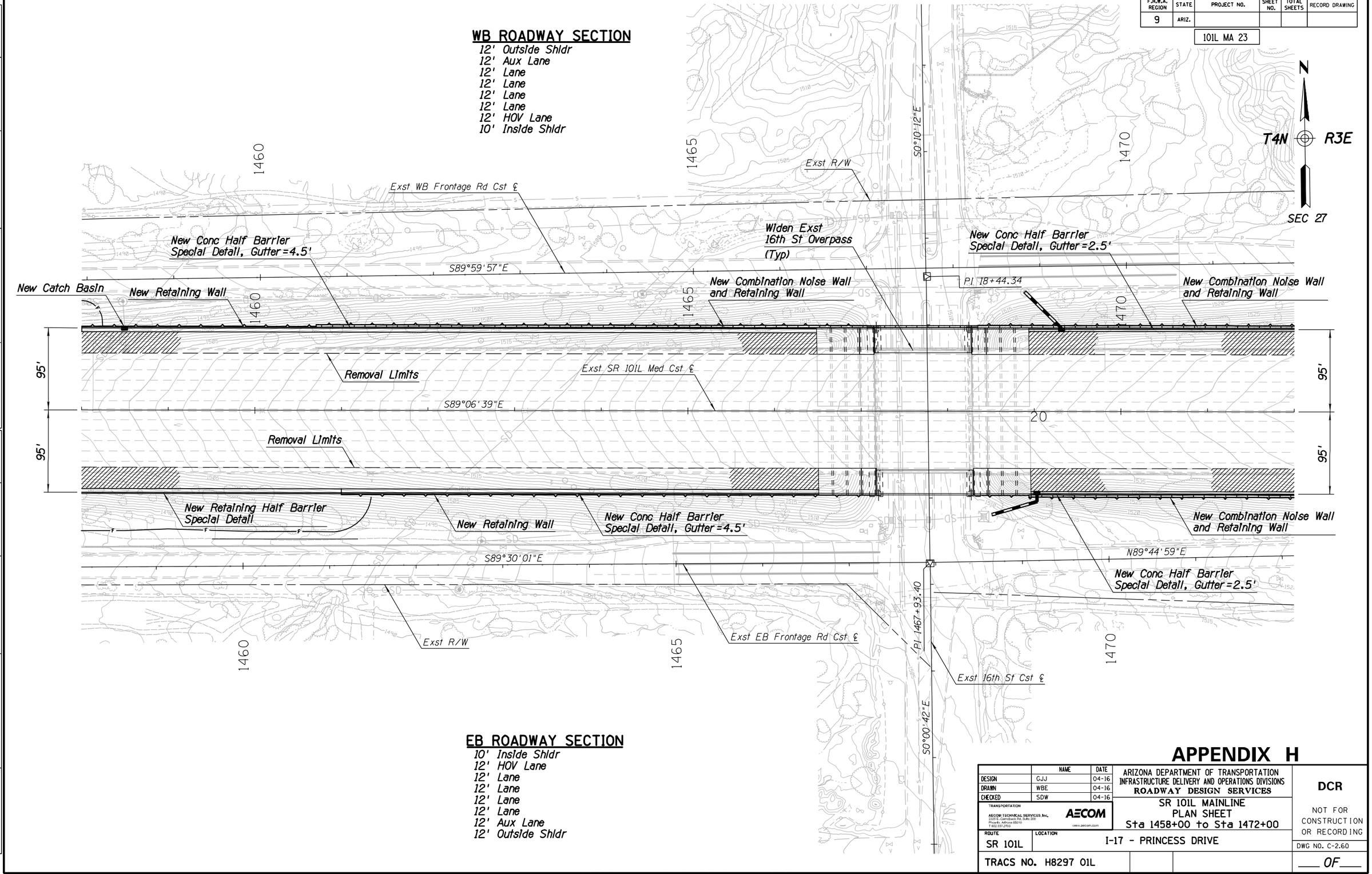
4/25/2016 U:\PIMA03\Prod\civ\h8297v94.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr



EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1458+00 to Sta 1472+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.60

___ OF ___

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297p15.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.

+0.10%ft
0.00%ft
-0.10%ft
+0.10%ft
0.00%ft
-0.10%ft

Right EP
+0.020%ft
-0.020%ft
Left EP

WB Profile Grade Line
& Axis of Rotation

Left EP
+0.020%ft
-0.020%ft
Right EP

EB Profile Grade Line
& Axis of Rotation

1550
1540
1530
1520
1510

Exst
16th St
Cst ℄

Existing Ground Line

+22.31

1969' VC
SDs = 1081'

+3.1134%

Existing WB & EB SR 101L
Profile Grade

1460
1465
1470

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
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SR 101L MAINLINE
PROFILE SHEET
Sta 1458+00 to Sta 1472+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.61

TRACS NO. H8297 01L

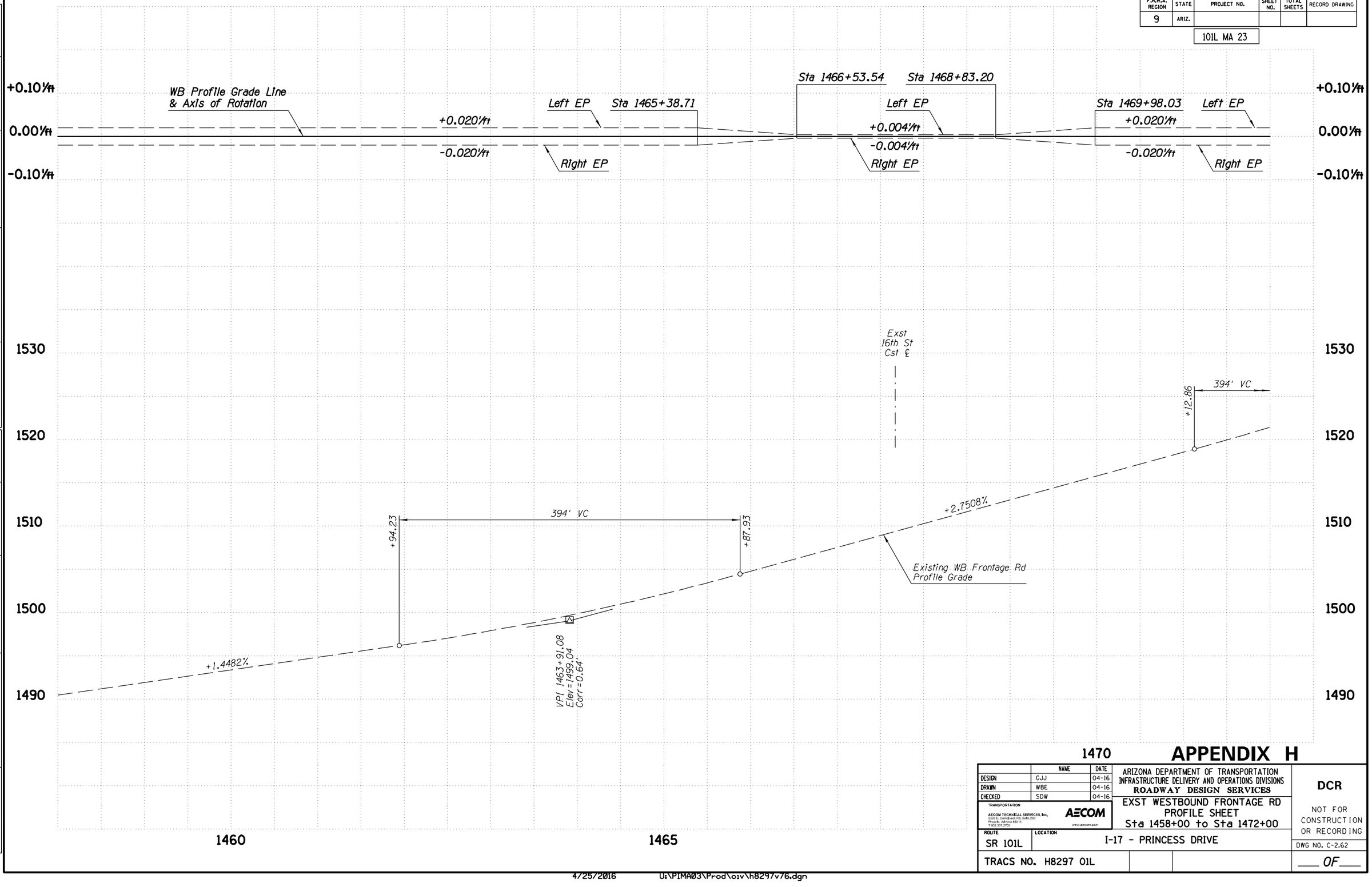
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v15.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1458+00 to Sta 1472+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

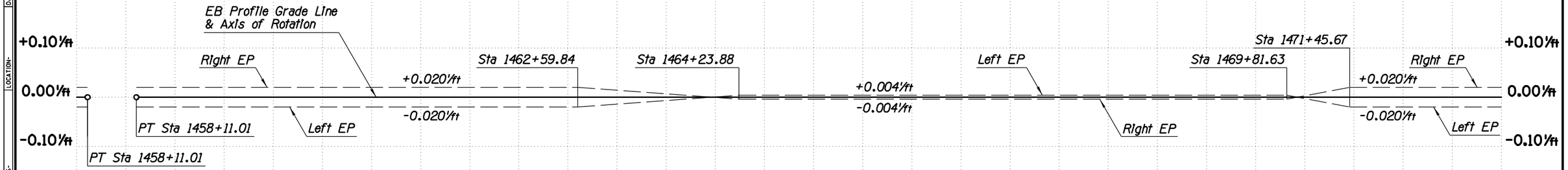
ROUTE	LOCATION	DWG NO. C-2.62
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

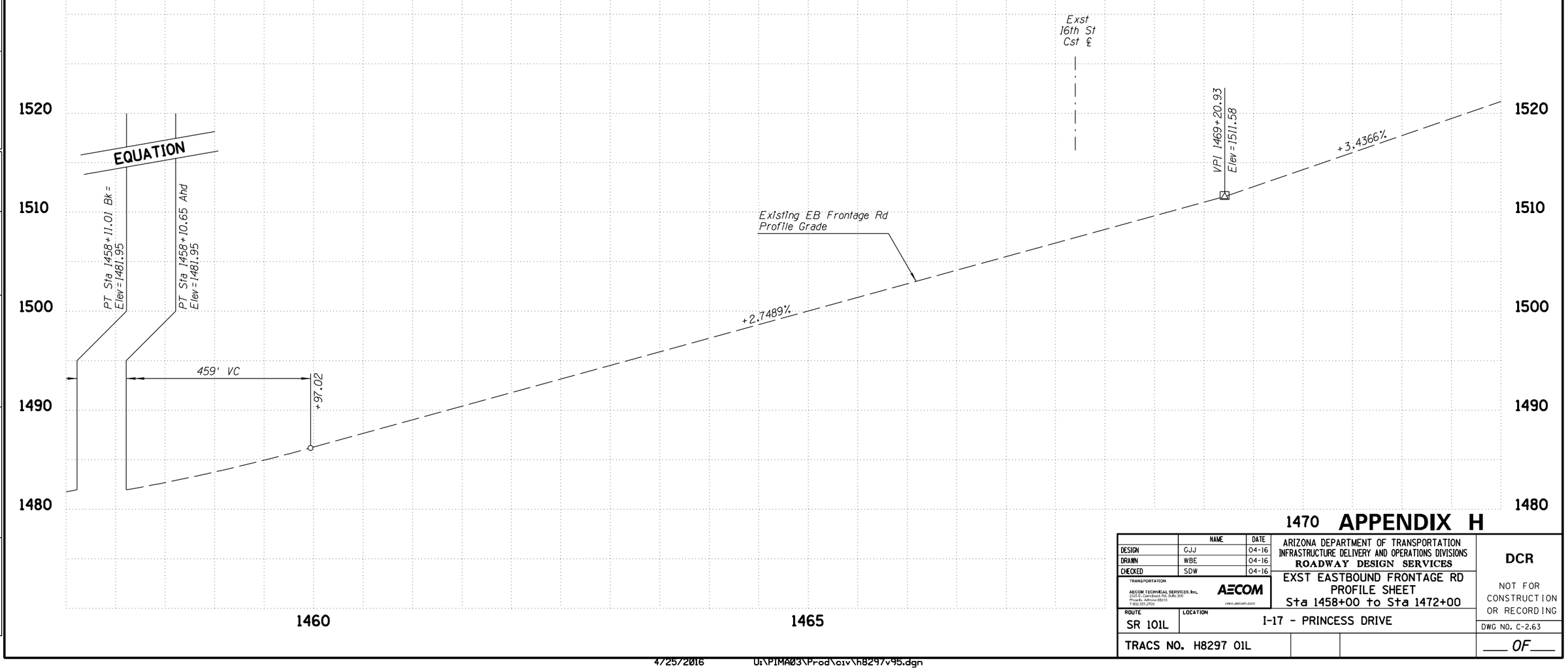
4/25/2016 U:\PIMA03\Prod\civ\h8297v76.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.





1470 **APPENDIX H**

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST EASTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1458+00 to Sta 1472+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.63

TRACS NO. H8297 01L

___ OF ___

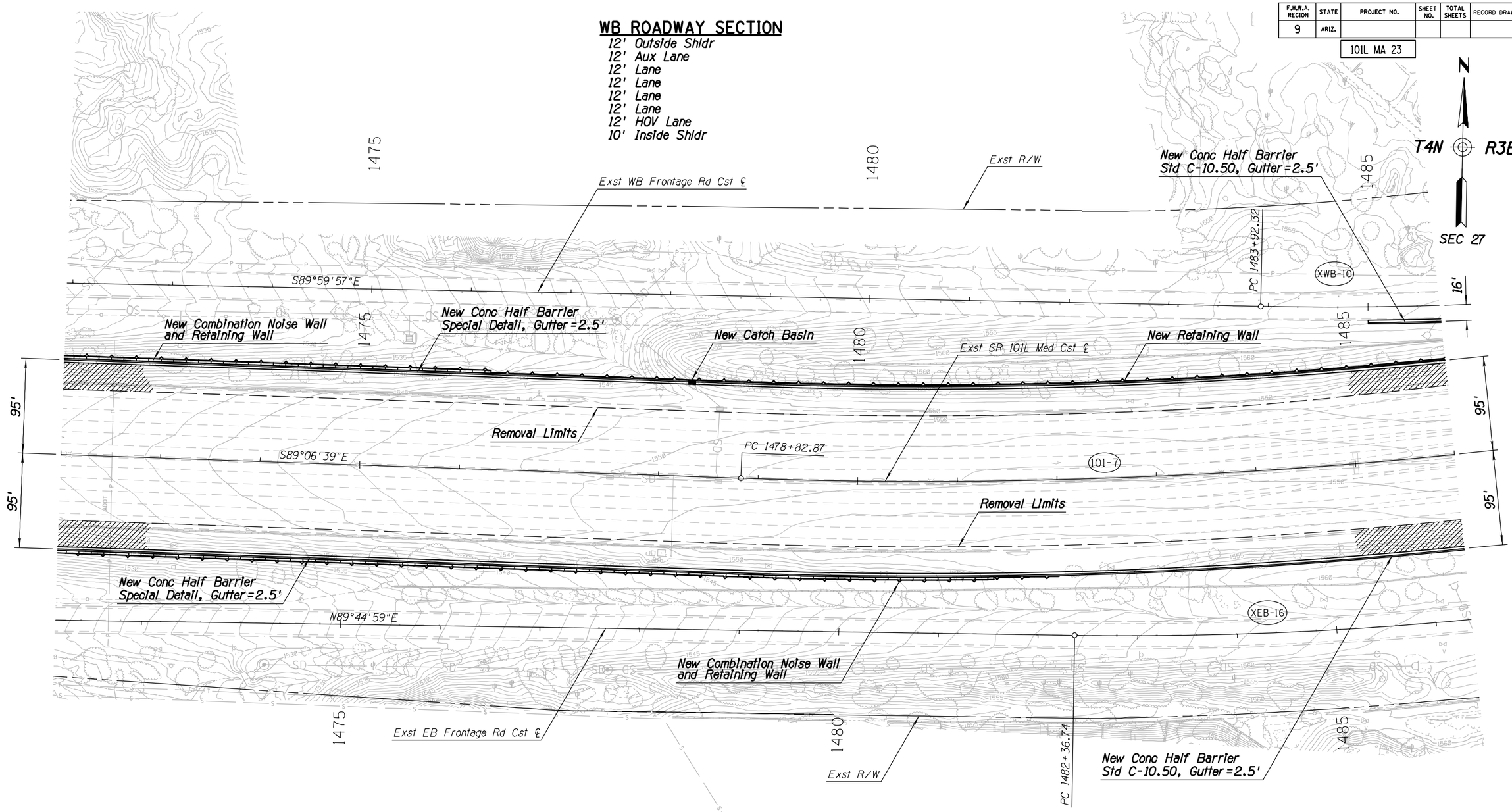
4/25/2016 U:\PIMA03\Prod\civ\h8297v95.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr



EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1472+00 to Sta 1486+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.64

___ OF ___

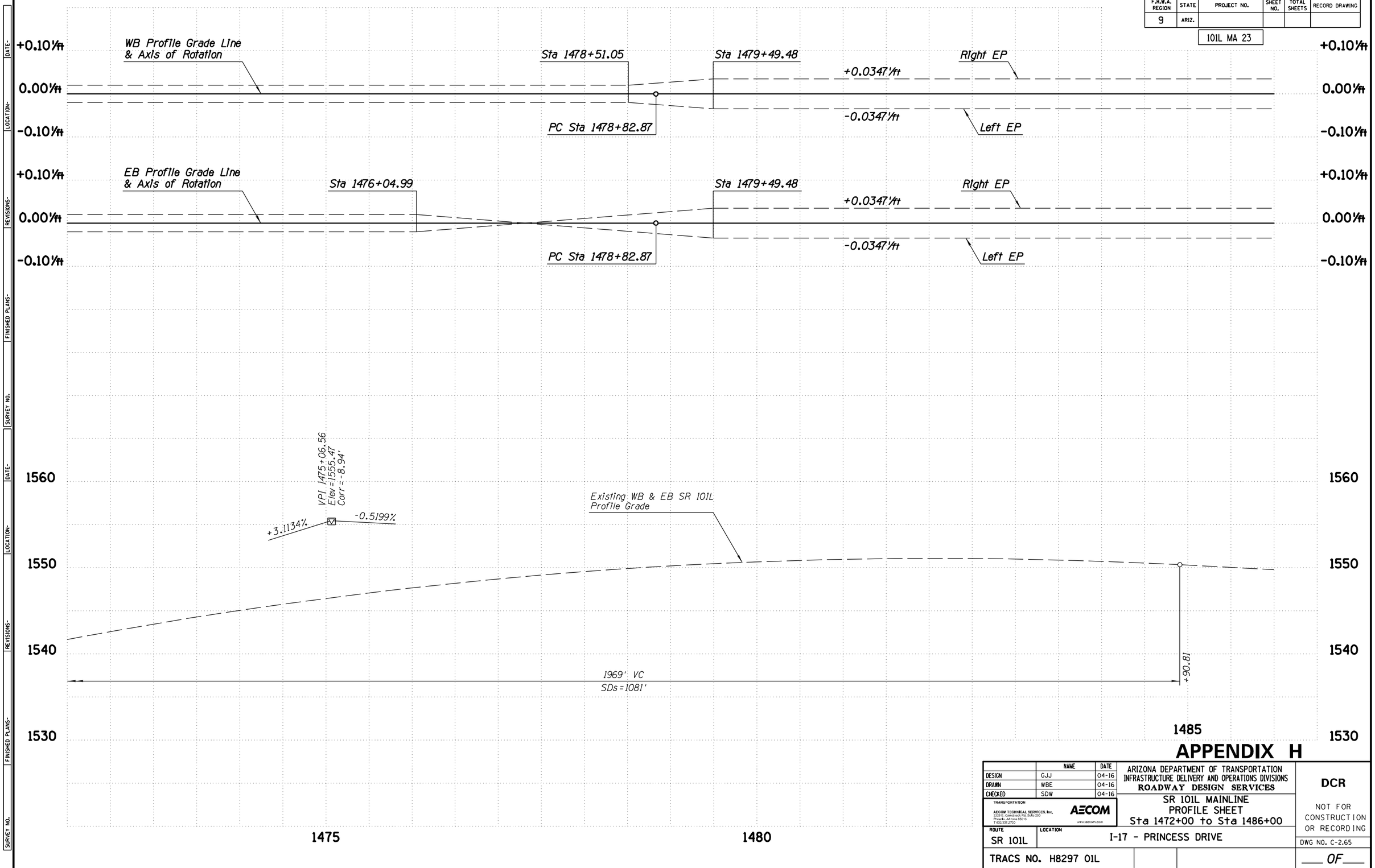
4/25/2016 U:\PIMA03\Prod\civ\h8297p16.dgn

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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SR 101L MAINLINE
PROFILE SHEET
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DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.65

TRACS NO. H8297 01L

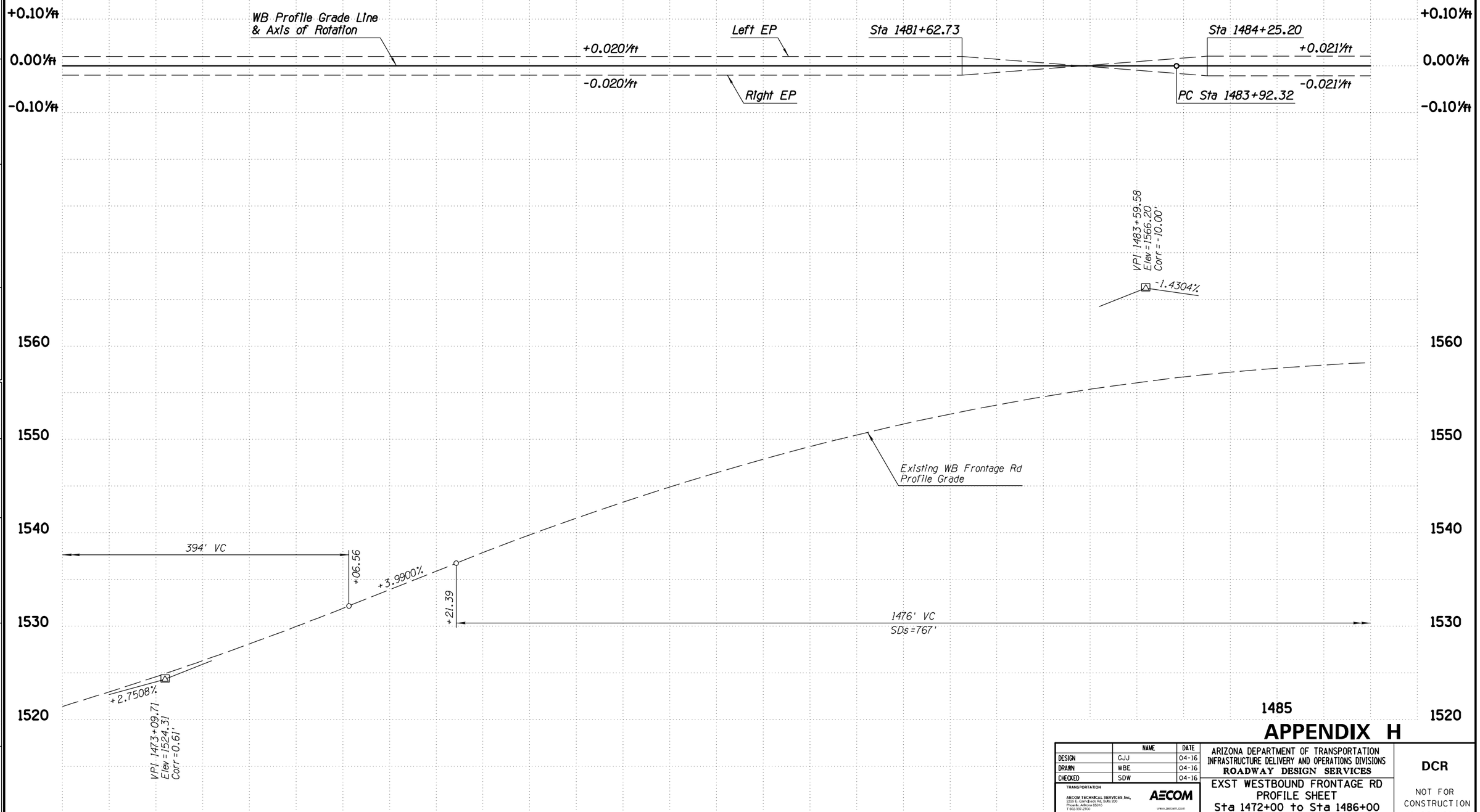
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v16.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
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T 602.337.2700
AECOM
www.aecom.com

EXST WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1472+00 to Sta 1486+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.66

TRACS NO. H8297 01L

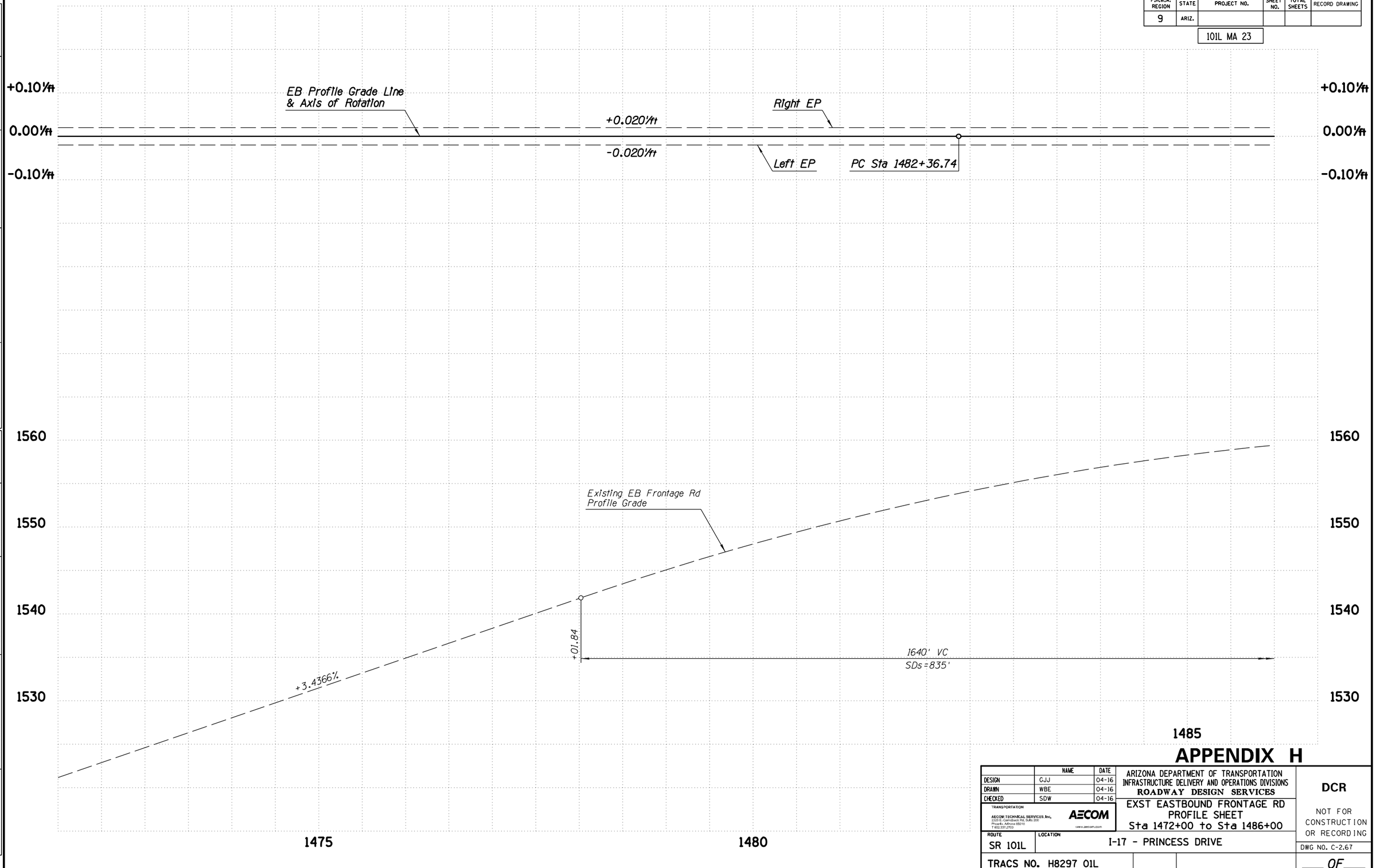
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v77.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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ROADWAY DESIGN SERVICES

EXST EASTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1472+00 to Sta 1486+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO. C-2.67
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v98.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

N

T4N R3E

SEC 22

10

Exst R/W

New Conc Half Barrier
Std C-10.50, Gutter=2.5'

New Conc Half Barrier
Special Detail, Gutter=2.5'

Exst Drainage Channel

Begin Cave Creek Rd Ramp 'A' Cst ℄ PC Sta 10+00.00=
83.00' Lt Exst SR 101L Med Cst ℄ POC Sta 1496+19.00

Cave Creek Rd Ramp 'A' Cst ℄

New Retaining Wall

Exst WB Frontage Rd Cst ℄

XWB-10

CCA1

16'

95'

95'

Varies

Removal Limits

Exst SR 101L Med Cst ℄

New Mod Catch Basin

101-7

Cave Creek Rd Ramp 'B' Cst ℄

Removal Limits

XEB-17

PC 1498+51.10

N68°58'54"E

N67°08'25"E

16'

16'

14'

14'

EB Frontage Rd Cst ℄

Begin Cave Creek Rd Ramp 'B' Cst ℄ POT Sta 8+06.42=
83.00' Rt Exst SR 101L Med Cst ℄ POC Sta 1499+39.23

New Conc Half Barrier
Std C-10.50, Gutter=2.5'

XEB-16

Exst EB Frontage Rd Cst ℄

PT 1496+60.86

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

Exst Drainage Channel

Exst R/W

New Catch Basin
Extend Exst 24" RCP
(Typ)

Begin EB Frontage Rd Cst ℄ POT Sta 1505+44.86=
0.00' Rt Exst EB Frontage Rd Cst ℄ POC Sta 1495+44.86

1490 1495 1500 1510

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1486+00 to Sta 1500+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.68

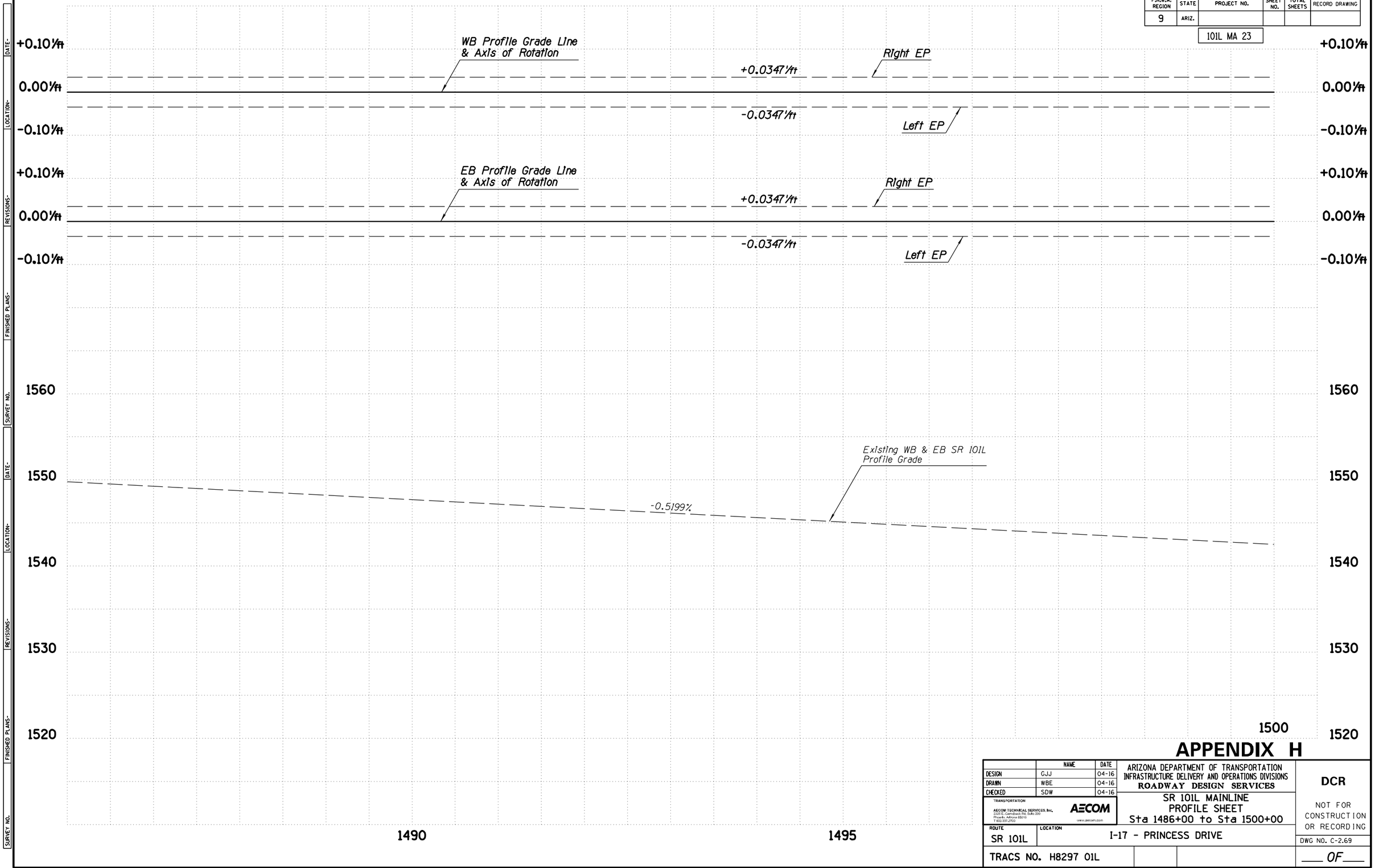
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297p17.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
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ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1486+00 to Sta 1500+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.69

TRACS NO. H8297 01L

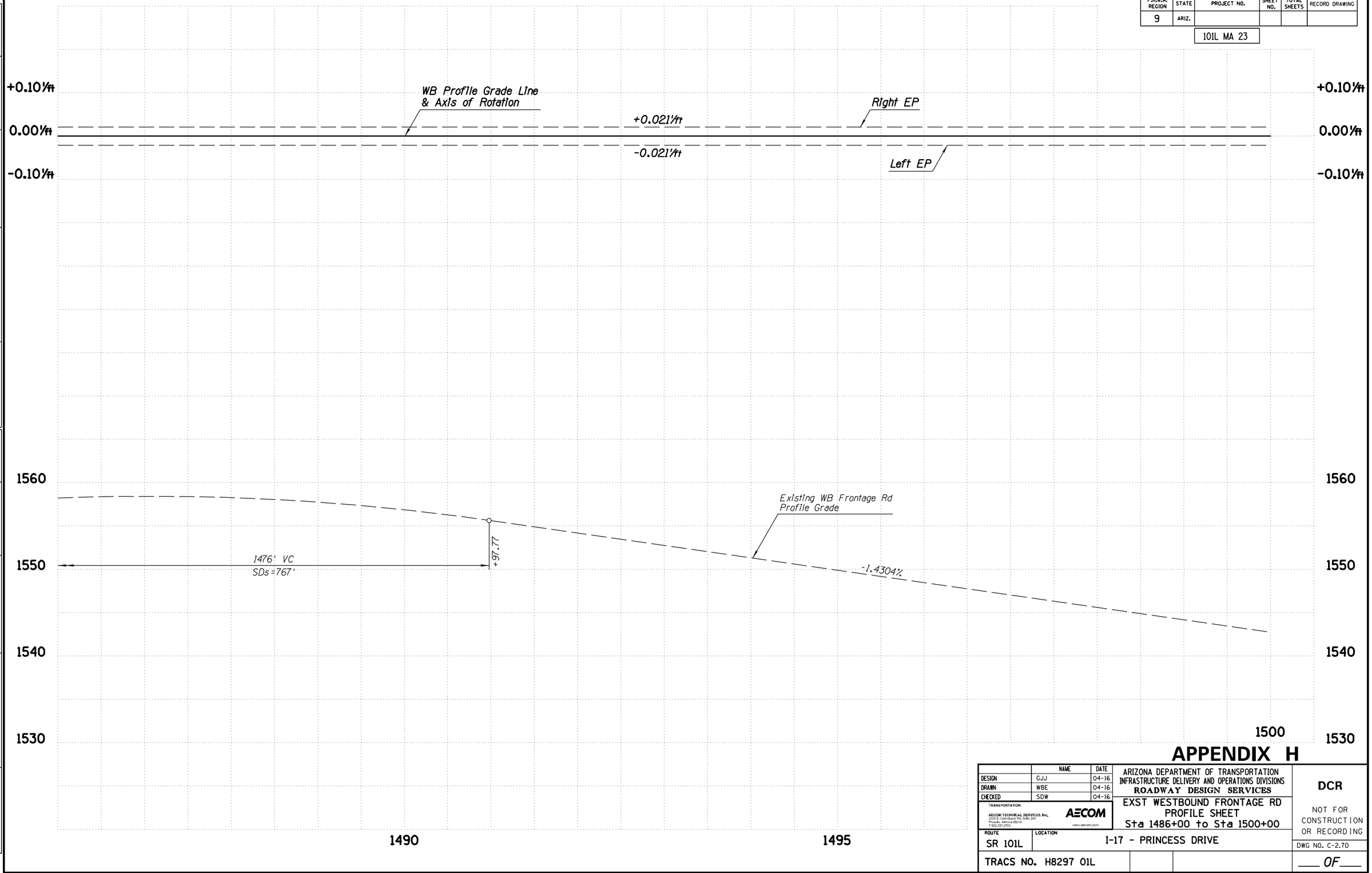
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v17.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE-
LOCATION-
REVISIONS-
FINISHED PLANS-
SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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ROADWAY DESIGN SERVICES

EXST WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1486+00 to Sta 1500+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

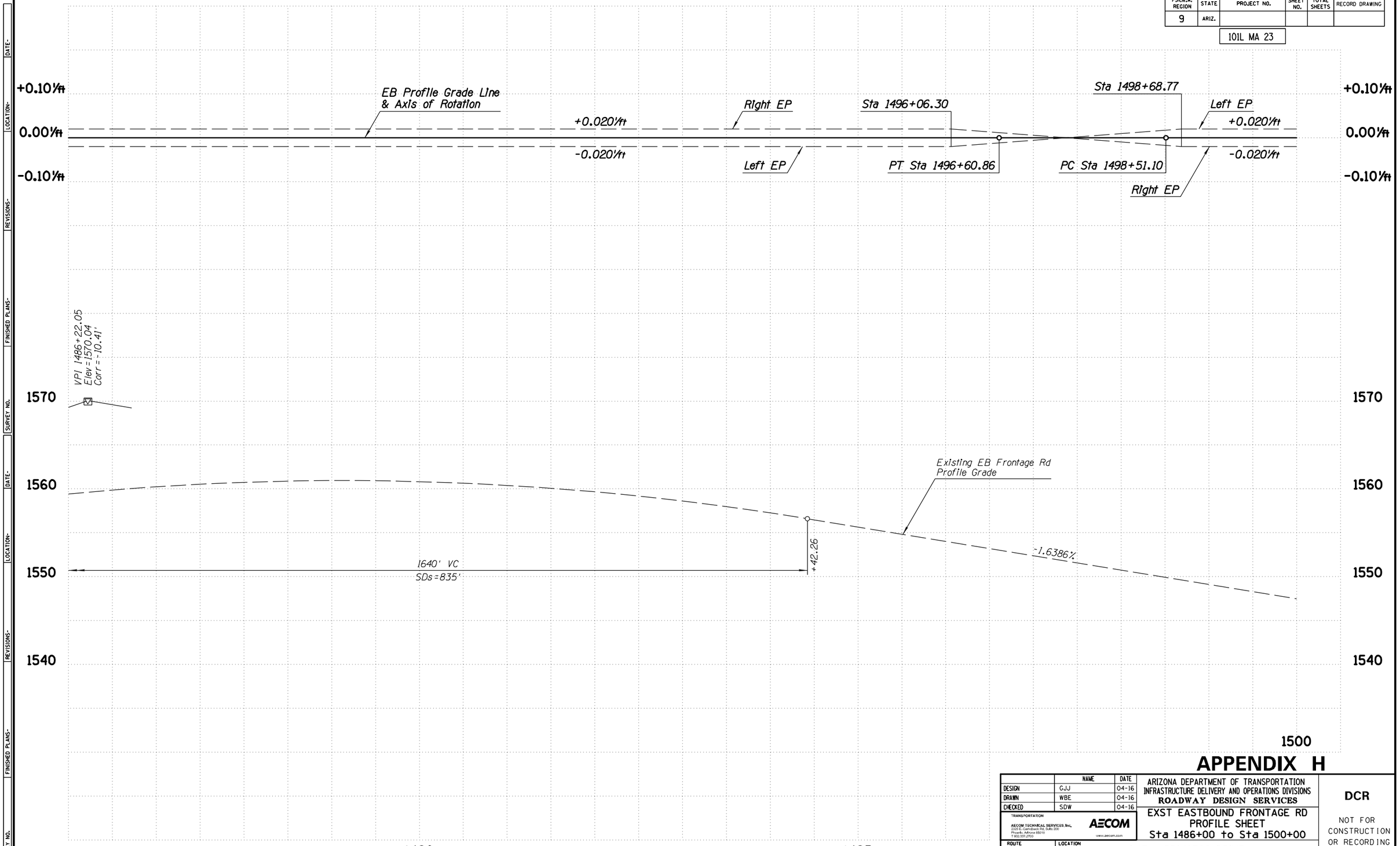
ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.70
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v78.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION

AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.317.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST EASTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1486+00 to Sta 1500+00

DCR

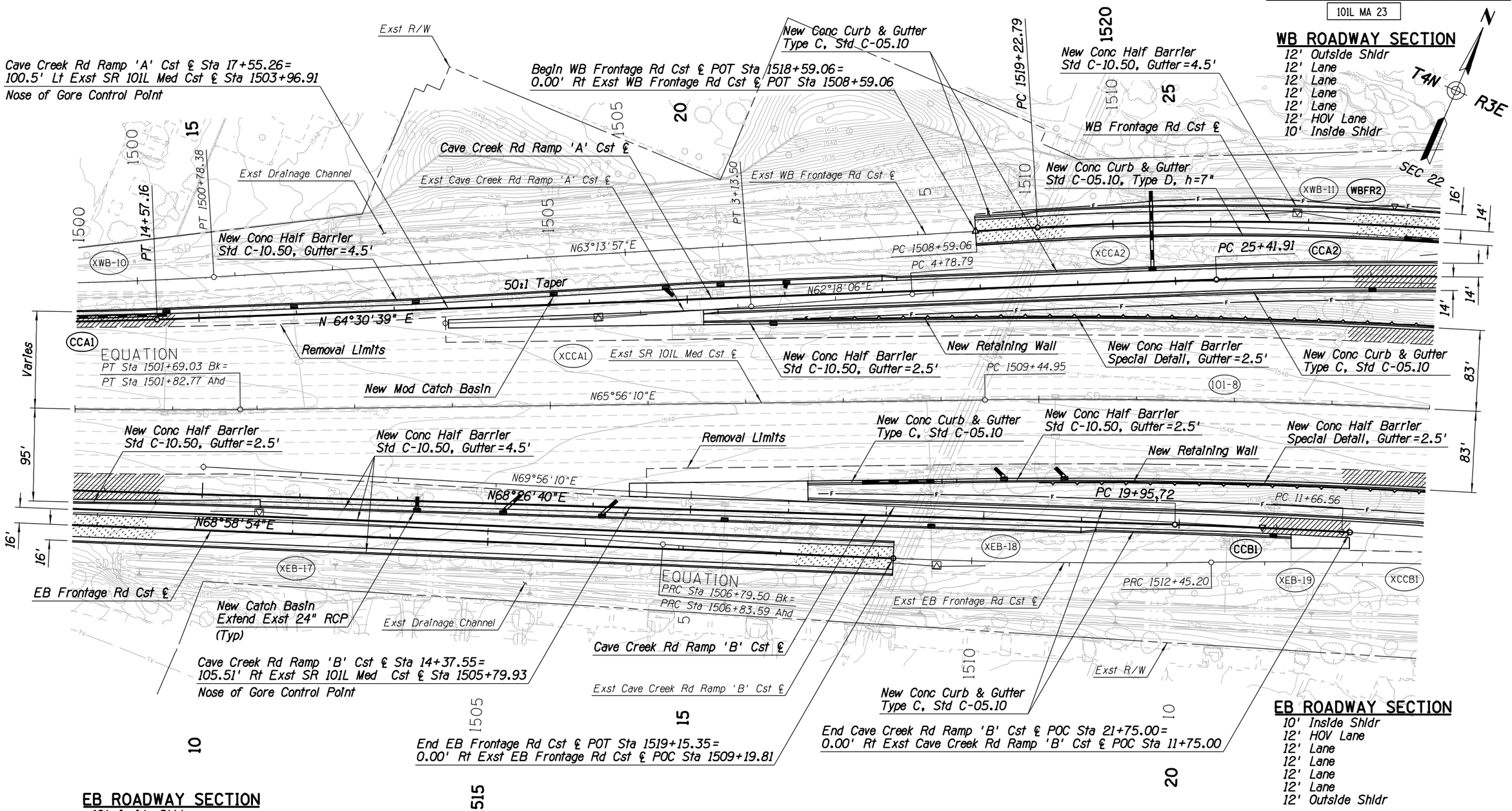
NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO. C-2.71
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v97.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



WB ROADWAY SECTION

12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2325 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.337.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1500+00 to Sta 1514+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.72

TRACS NO. H8297 01L

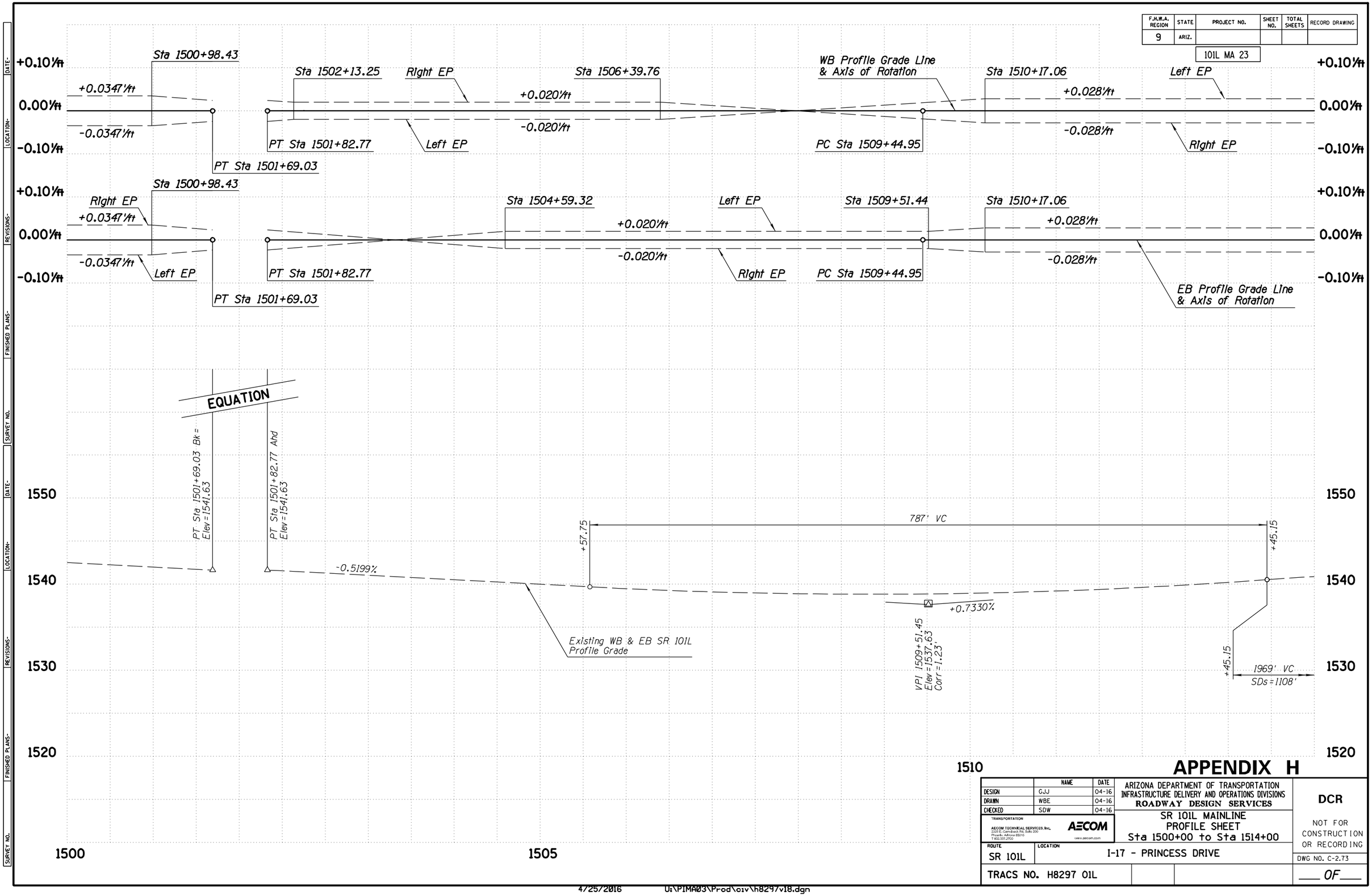
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297p18.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2155 E. Camelback Rd, Suite 300
Phoenix, Arizona 85016
T 602.371.2700
AECOM
www.aecom.com

SR 101L MAINLINE
PROFILE SHEET
Sta 1500+00 to Sta 1514+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.73

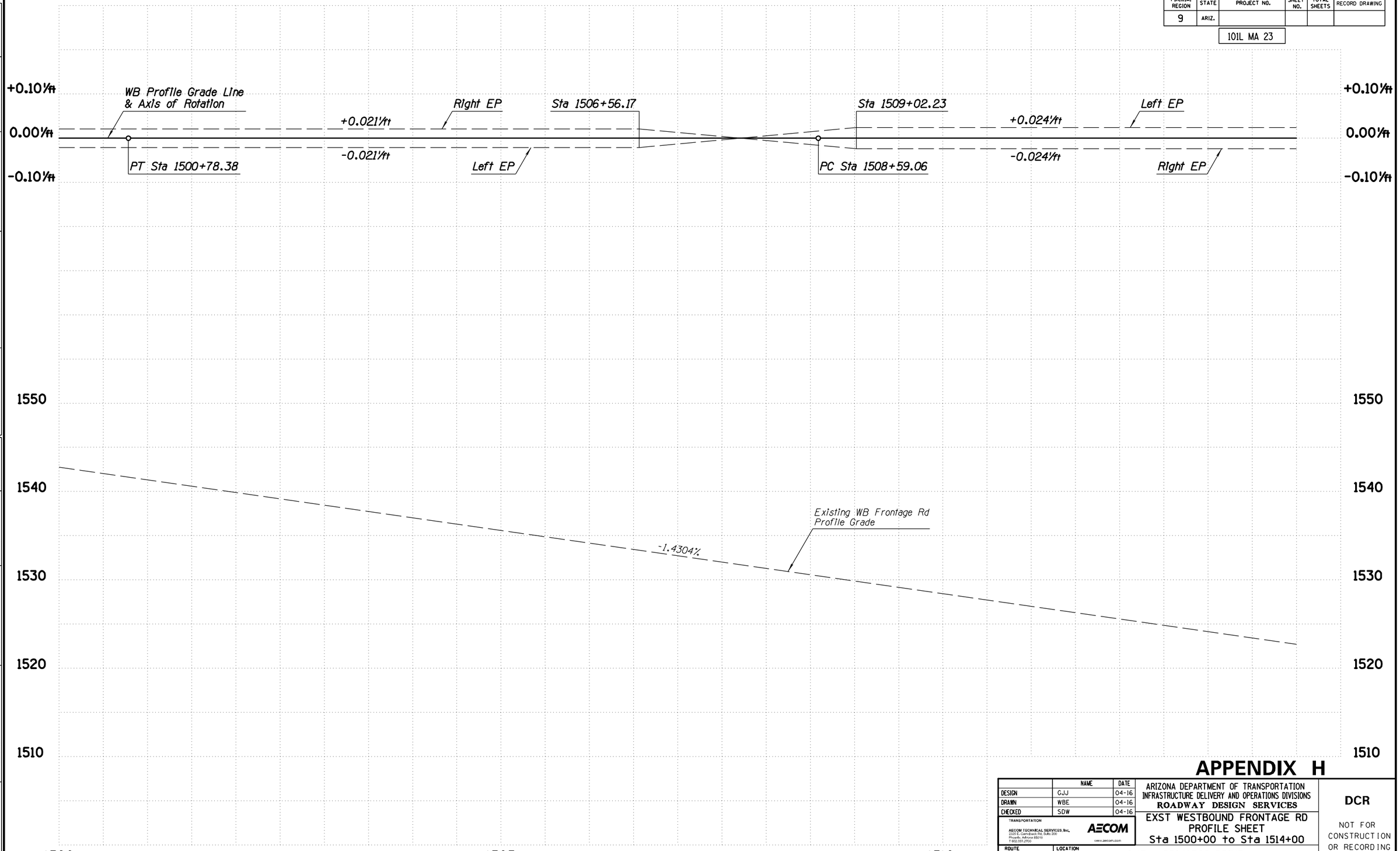
TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v18.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.371.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1500+00 to Sta 1514+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.74

TRACS NO. H8297 01L

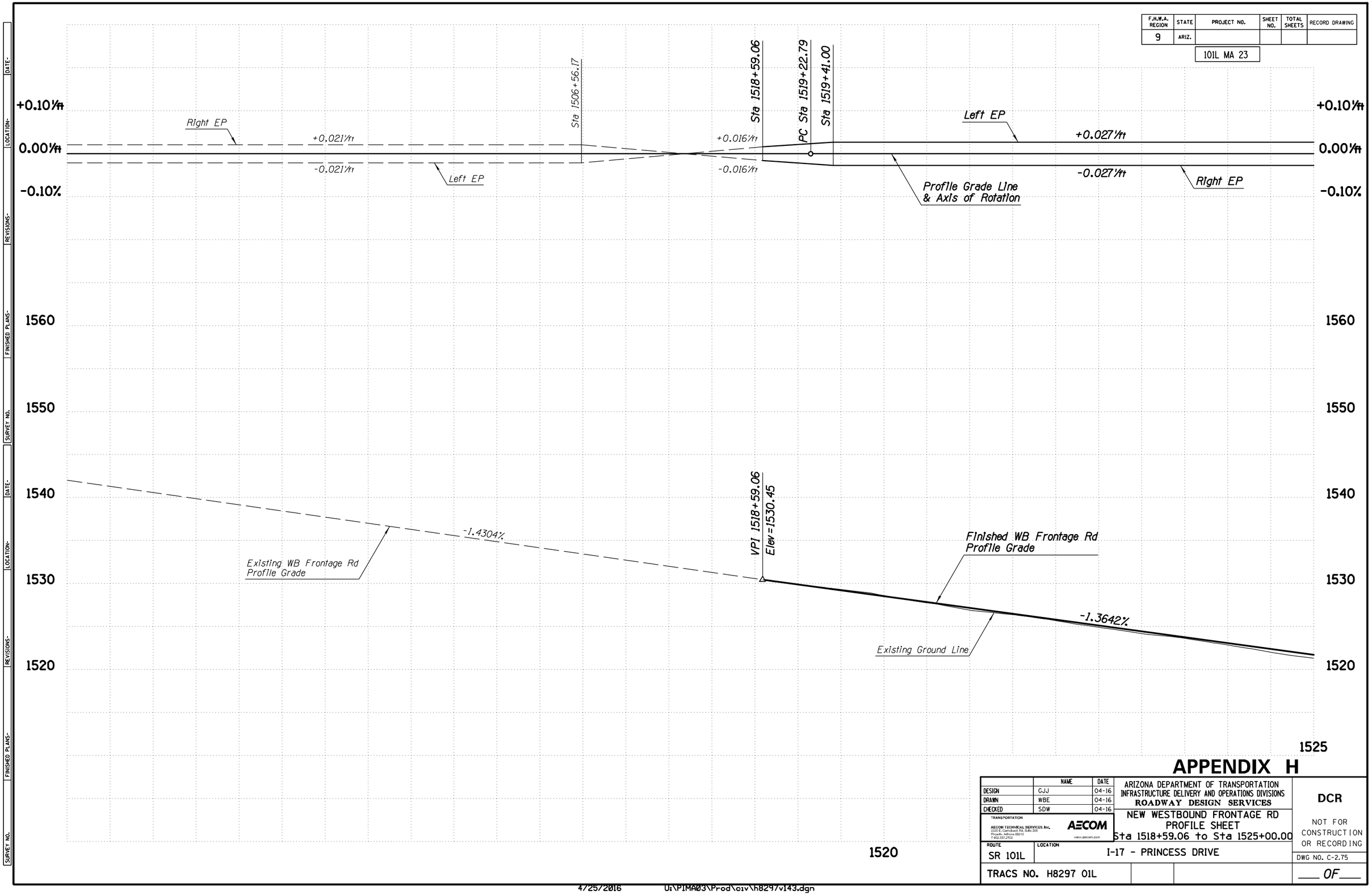
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v79.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

NEW WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1518+59.06 to Sta 1525+00.00

DCR

NOT FOR CONSTRUCTION OR RECORDING

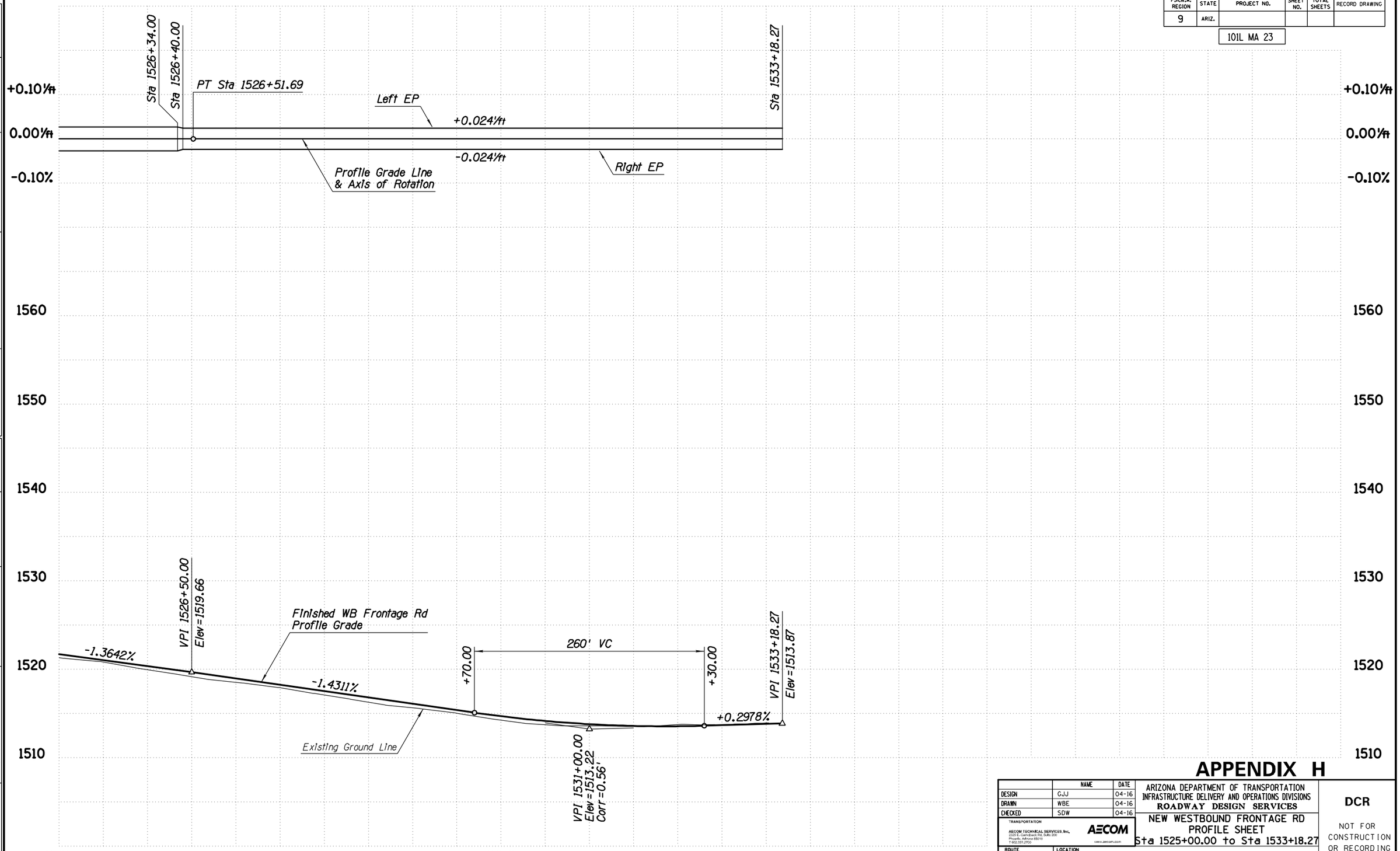
ROUTE	LOCATION	DWG NO. C-2.75
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v143.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

NEW WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1525+00.00 to Sta 1533+18.27

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.76

TRACS NO. H8297 01L

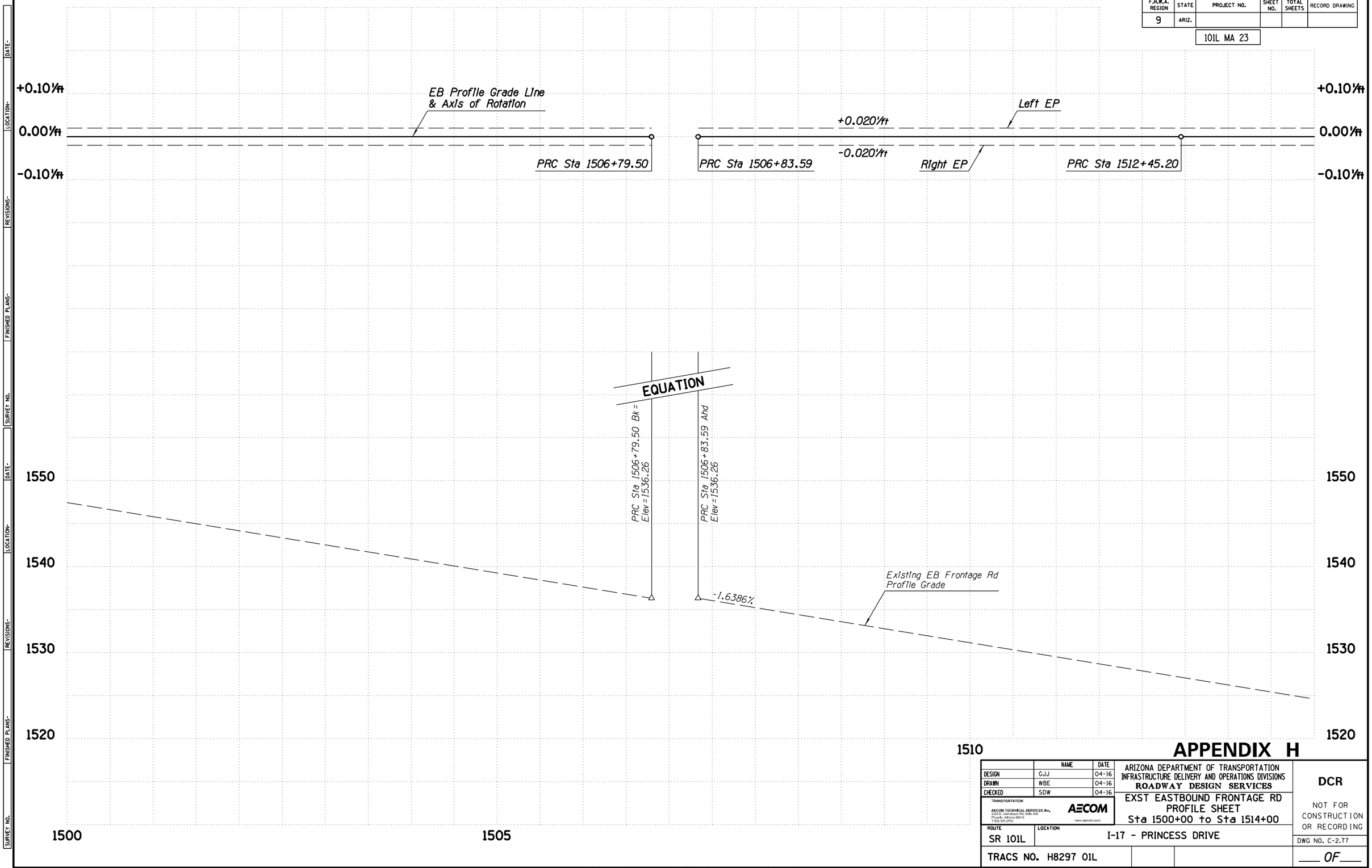
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v144.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST EASTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1500+00 to Sta 1514+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.77

TRACS NO. H8297 01L

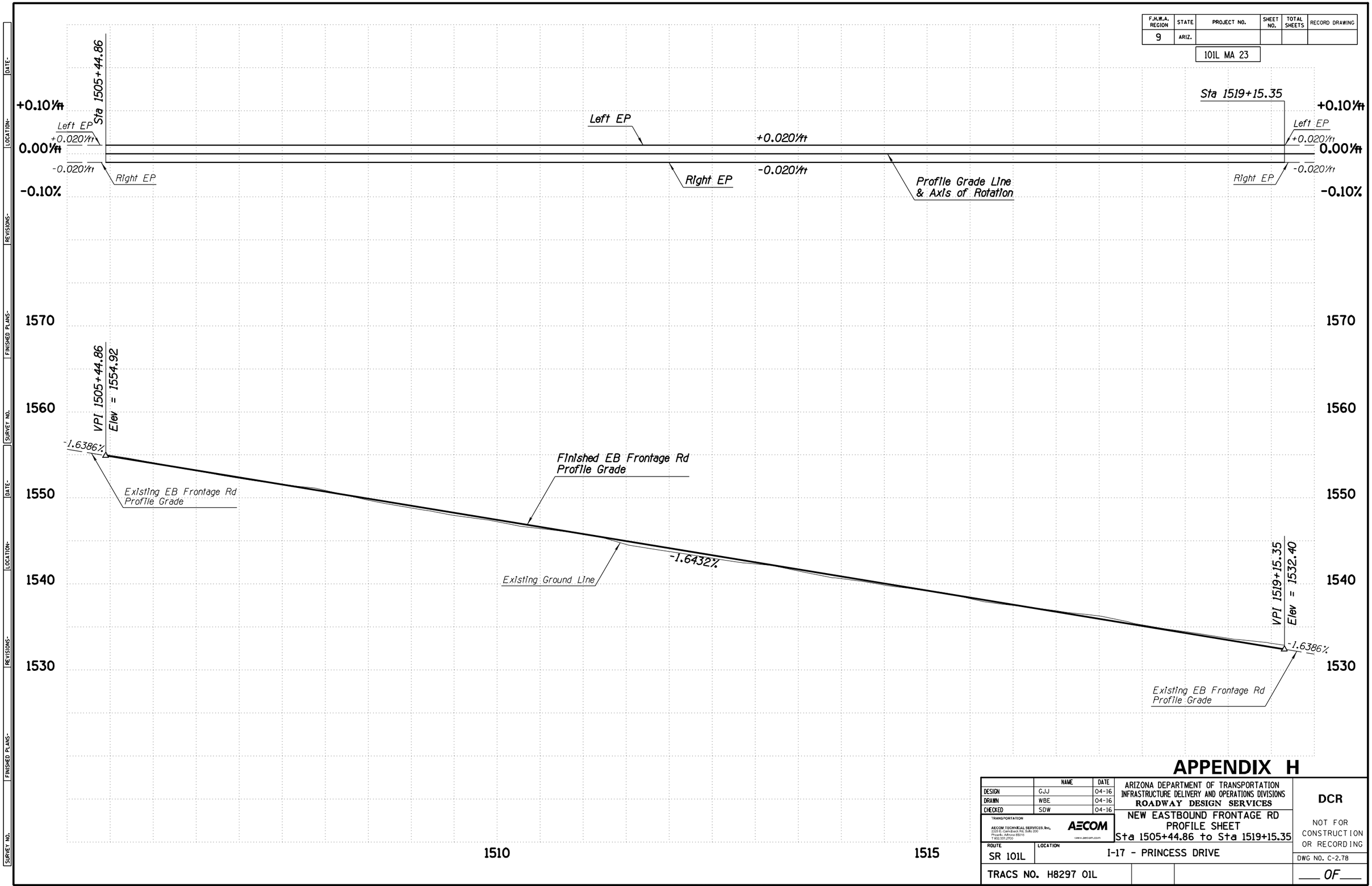
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v98.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

NEW EASTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1505+44.86 to Sta 1519+15.35

DCR

NOT FOR CONSTRUCTION OR RECORDING

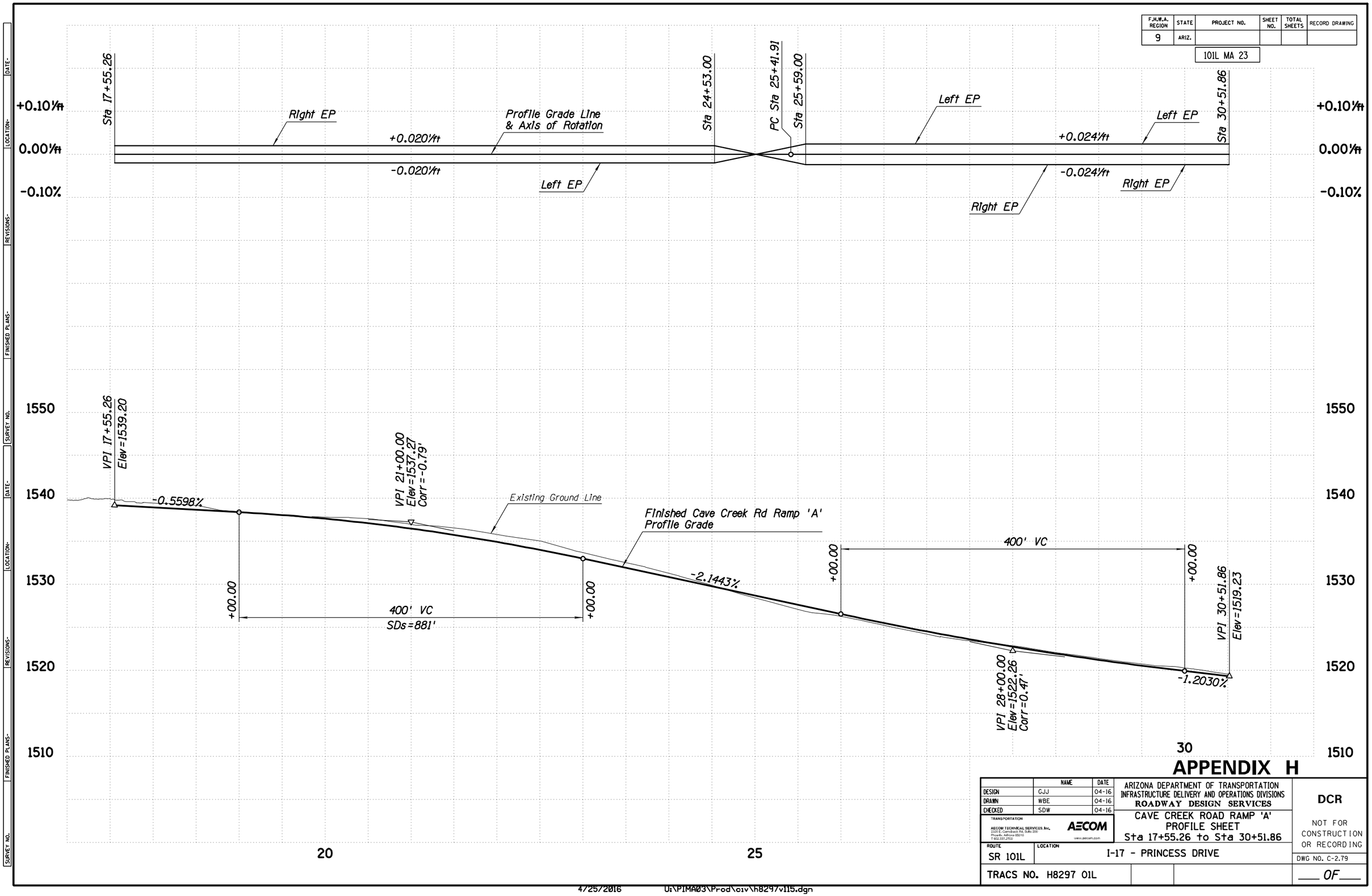
ROUTE	LOCATION	DWG NO. C-2.78
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v145.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

SURVEY NO. | DATE- | LOCATION- | REVISIONS- | FINISHED PLANS-



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2020 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.337.2900
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

CAVE CREEK ROAD RAMP 'A'
PROFILE SHEET
Sta 17+55.26 to Sta 30+51.86

DCR

NOT FOR CONSTRUCTION OR RECORDING

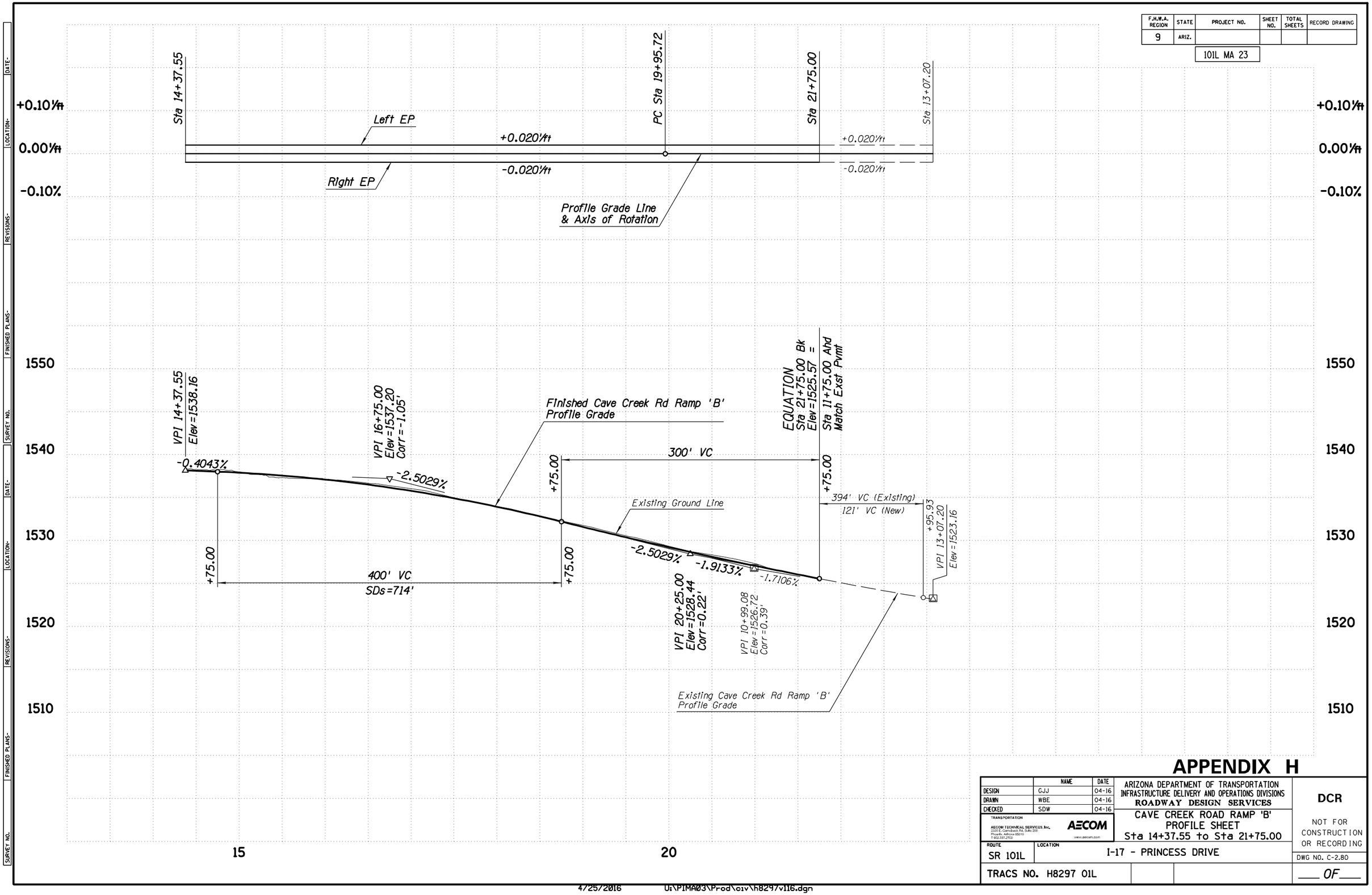
ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.79
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v115.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd. Suite 200
Phoenix, Arizona 85016
T 602.371.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

CAVE CREEK ROAD RAMP 'B'
PROFILE SHEET
Sta 14+37.55 to Sta 21+75.00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	C-2.80
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v116.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

End WB Frontage Rd Cst ℄ Sta 1533+18.27
Begin Cave Creek Rd Ramp 'C' Cst ℄ Sta 10+00.00=
Exst Cave Creek Rd Cst ℄ Sta 18+35.66

End Cave Creek Rd Ramp 'A' Cst ℄ Sta 34+60.13=
12.00' Rt WB Frontage Rd Cst ℄ Sta 1530+30.00

T4N R3E
SEC 23

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

New Conc Curb & Gutter
Type C, Std C-05.10

New Conc Curb & Gutter
Std C-05.10, Type D, h=7"

New Conc Curb & Gutter
Std C-05.10, Type D, h=7"

Exst Drainage Channel

Exst R/W

Cave Creek Rd Ramp 'A' Cst ℄

WB Frontage Rd Cst ℄

PT 1515+16.44

PT 1526+51.69

New Conc Curb & Gutter
Std C-05.10, Type D, h=7"
(Typ)

N 75°59'18" E

N75°59'18"E

PC 3+24.28

PC 10+60.46

PC 0+71.38

Exst R/W

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

Cave Creek Rd Ramp 'C' Cst ℄

Exst Cave Creek Rd Ramp 'C' Cst ℄

New Retaining Wall

New Conc Half Barrier
Special Detail, Gutter=4.5'

New Conc Curb & Gutter
Type C, Std C-05.10
+00.00
28.00' Lt
25:1 Taper
Varies

+00.00
38.00' Rt
25:1 Taper
Varies

Exst WB Frontage Rd Cst ℄

Exst Cave Creek Rd Ramp 'A' Cst ℄

Removal Limits

New Retaining Wall

Cave Creek Rd Ramp 'A' Cst ℄ Sta 30+51.86=
30.04' Rt WB Frontage Rd Cst ℄ Sta 1526+22.00
Nose of Gore Control Point

PCC 1+37.46

PCC 2+23.59

PT 1+78.59

PT 1+83.61

PCC 1+96.96

N17°40'15"E

S17°19'15"W

New Conc Half Barrier
Special Detail, Gutter=2.5'

New Combination Noise Wall
and Retaining Wall

New Conc Half Barrier
Special Detail, Gutter=2.5'

Removal Limits

Exst SR 101L Med Cst ℄

New Retaining Wall

New Conc Half Barrier
Special Detail, Gutter=2.5'

PCC 1+46.13

PC 3+46.16

New Combination Noise Wall
and Retaining Wall

N75°47'37"E

N75°47'37"E

N75°47'33"E

New Conc Curb & Gutter
Type C, Std C-05.10

Exst EB Frontage Rd Cst ℄

PT 18+37.39

PT 1521+01.45

PC 1+53.37

Exst Cave Creek Rd Ramp 'D' Cst ℄

Exst R/W

Exst Cave Creek Rd Ramp 'B' Cst ℄

Exst Drainage Channel

Exst R/W

End Exst EB Frontage Rd Cst ℄ Sta 1523+34.75=
Begin Exst Cave Creek Rd Ramp 'D' Cst ℄ Sta 0+00.00=
Exst Cave Creek Rd Cst ℄ Sta 21+56.17

S0°41'44"E

Exst Cave Creek Rd Cst ℄

New Catch Basin
(Typ)

New 24" RCP
Tie To Existing
(Typ)

Widen Exst
Cave Creek Rd Overpass
(Typ)

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2320 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.337.2700
AECOM
www.aecom.com

SR 101L MAINLINE
PLAN SHEET
Sta 1514+00 to Sta 1528+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.81

___ OF ___

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297p19.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

+0.10%ft
0.00%ft
-0.10%ft

WB Profile Grade Line & Axis of Rotation
+0.028%ft
-0.028%ft
Left EP
Right EP

EB Profile Grade Line & Axis of Rotation
+0.028%ft
-0.028%ft
Left EP
Right EP

1550
1540
1530
1520
1510

Existing WB & EB SR 101L Profile Grade

VPI 1523+29.40
Elev = 154.73
Corr = -8.52'
+0.7330%
-2.7301%

Exst Cave Creek Rd Cst ℄

Existing Ground Line

1969' VC
SDs = 1108'

1515 1520 1525

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2325 E. Camelback Rd, Suite 300
Phoenix, Arizona 85016
T 602.337.2700
AECOM
www.aecom.com

SR 101L MAINLINE
PROFILE SHEET
Sta 1514+00 to Sta 1528+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.82

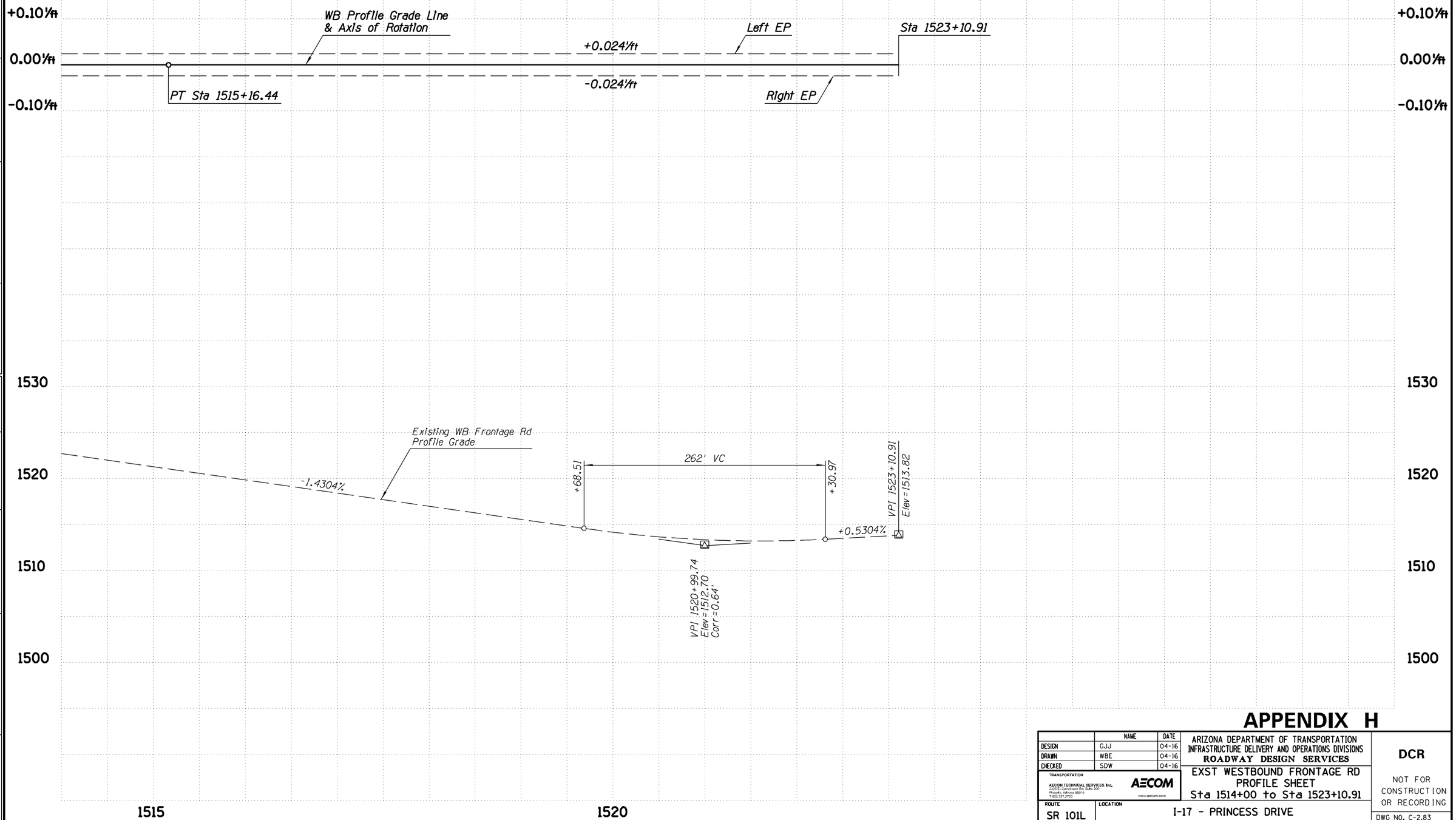
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v19.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE-
LOCATION-
REVISIONS-
FINISHED PLANS-
SURVEY NO.



APPENDIX H

	NAME	DATE
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TRANSPORTATION
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T 602.317.2700
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1514+00 to Sta 1523+10.91

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.83

TRACS NO. H8297 01L

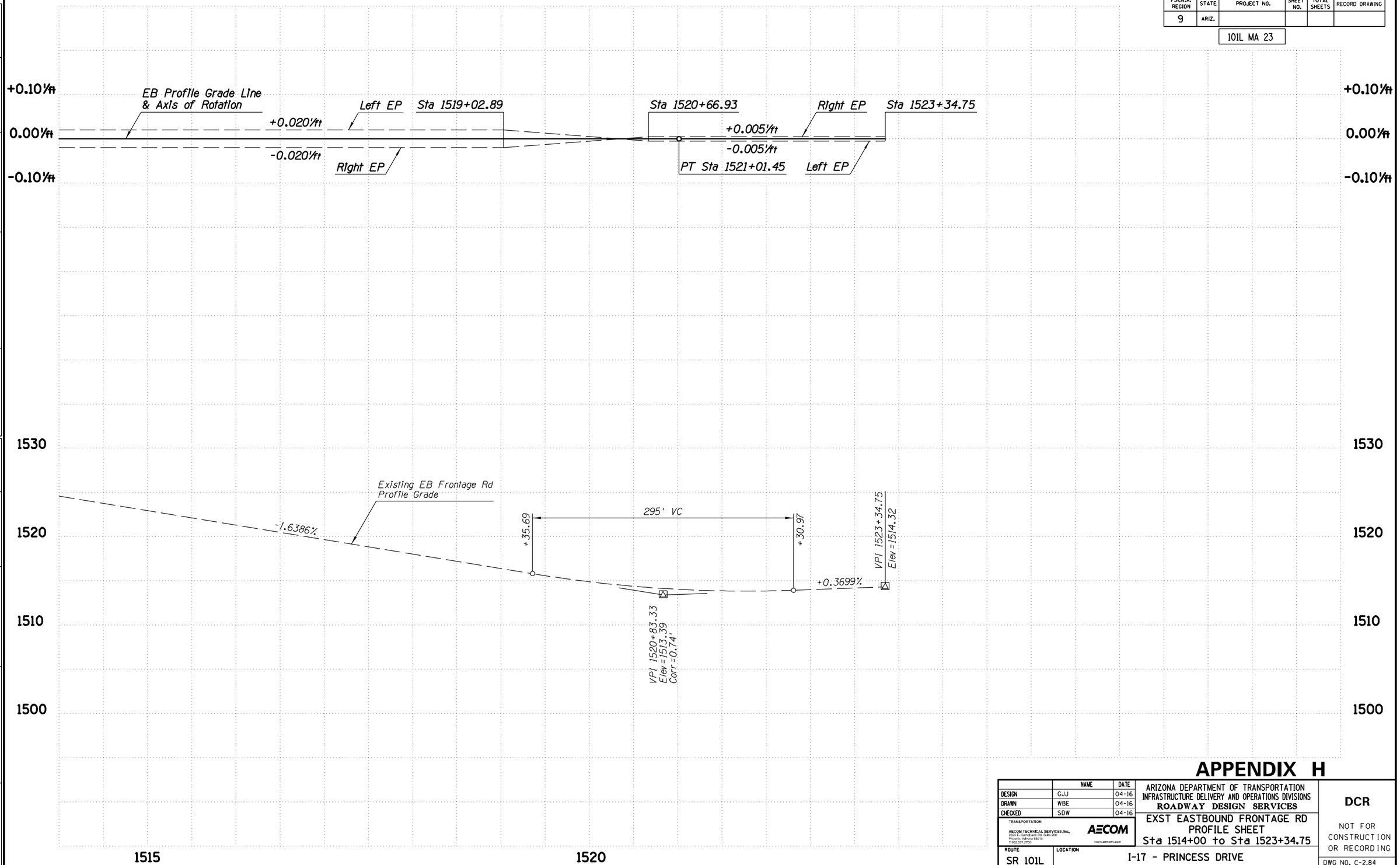
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v80.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST EASTBOUND FRONTAGE RD
PROFILE SHEET
Sta 1514+00 to Sta 1523+34.75

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.84

TRACS NO. H8297 01L

___ OF ___

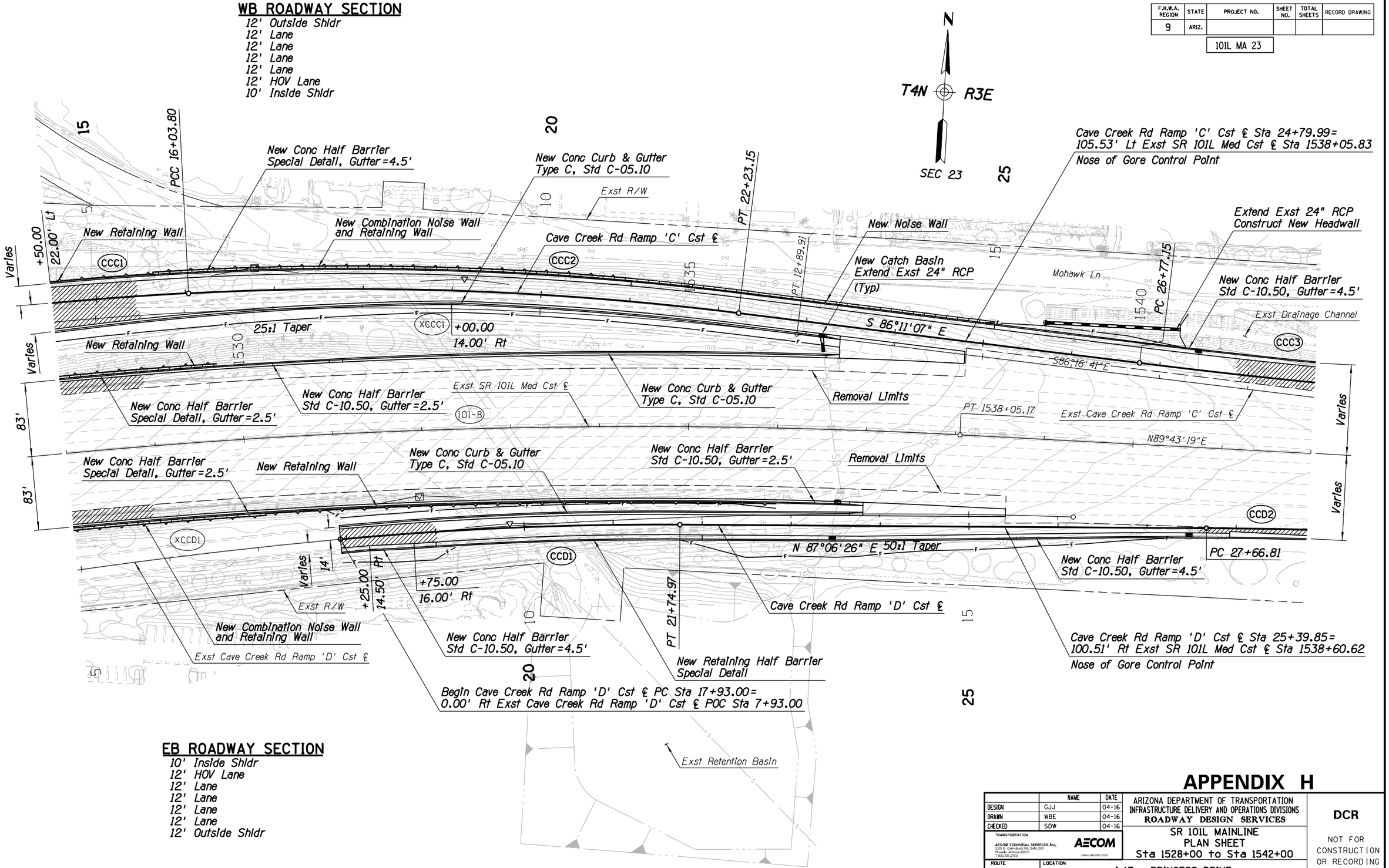
4/25/2016 U:\PIMA03\Prod\civ\h8297v99.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr



EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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Phoenix, Arizona 85016
T 602.371.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1528+00 to Sta 1542+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO. C-2.85
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

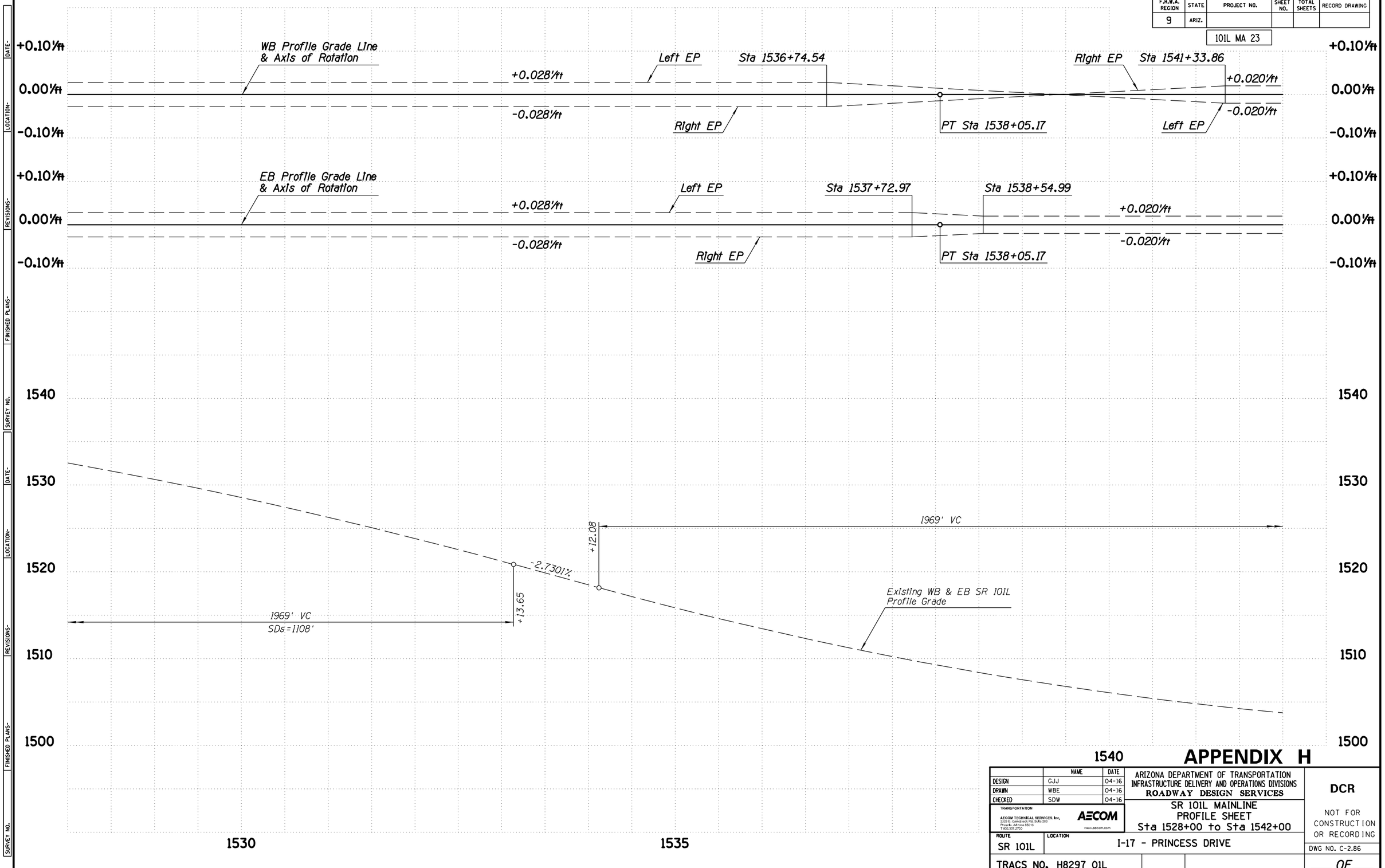
4/25/2016 U:\PIMA03\Prod\civ\h8297p20.dgn

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1528+00 to Sta 1542+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

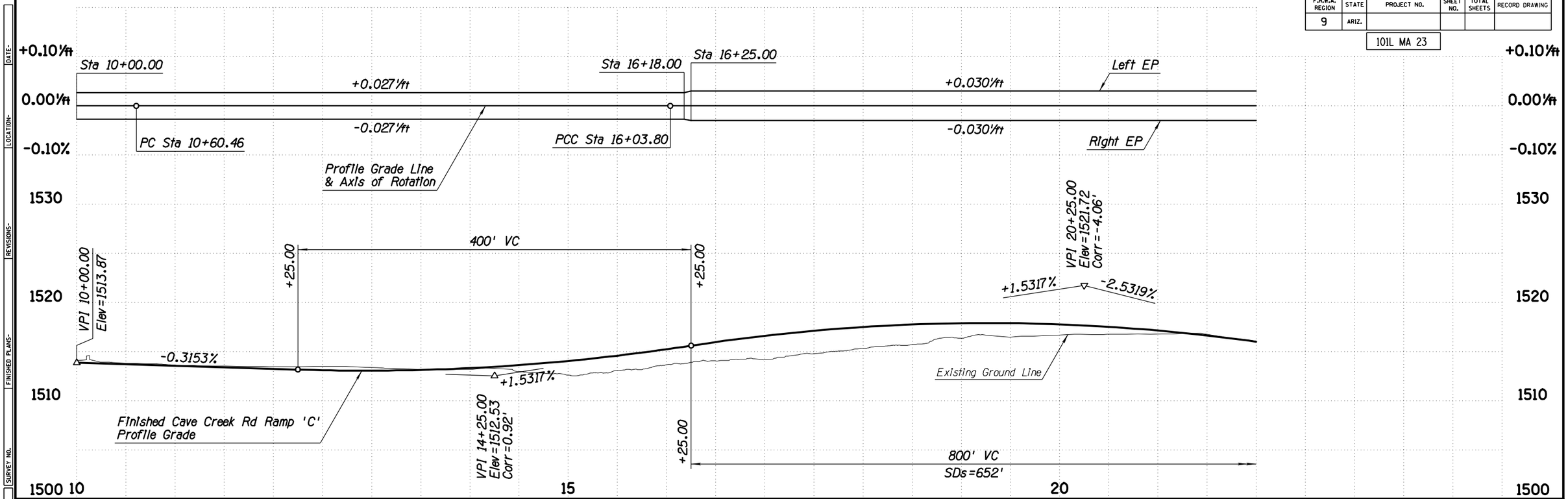
ROUTE	LOCATION	DWG NO. C-2.86
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

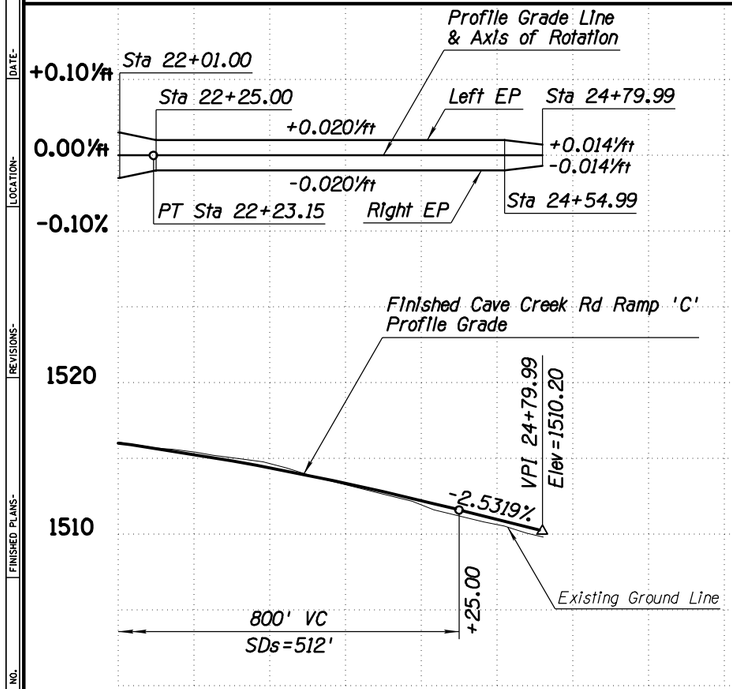
4/25/2016 U:\PIMA03\Prod\civ\h8297v20.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.





APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

CAVE CREEK ROAD RAMP 'C'
PROFILE SHEET
Sta 10+00.00 to Sta 24+79.99

DCR

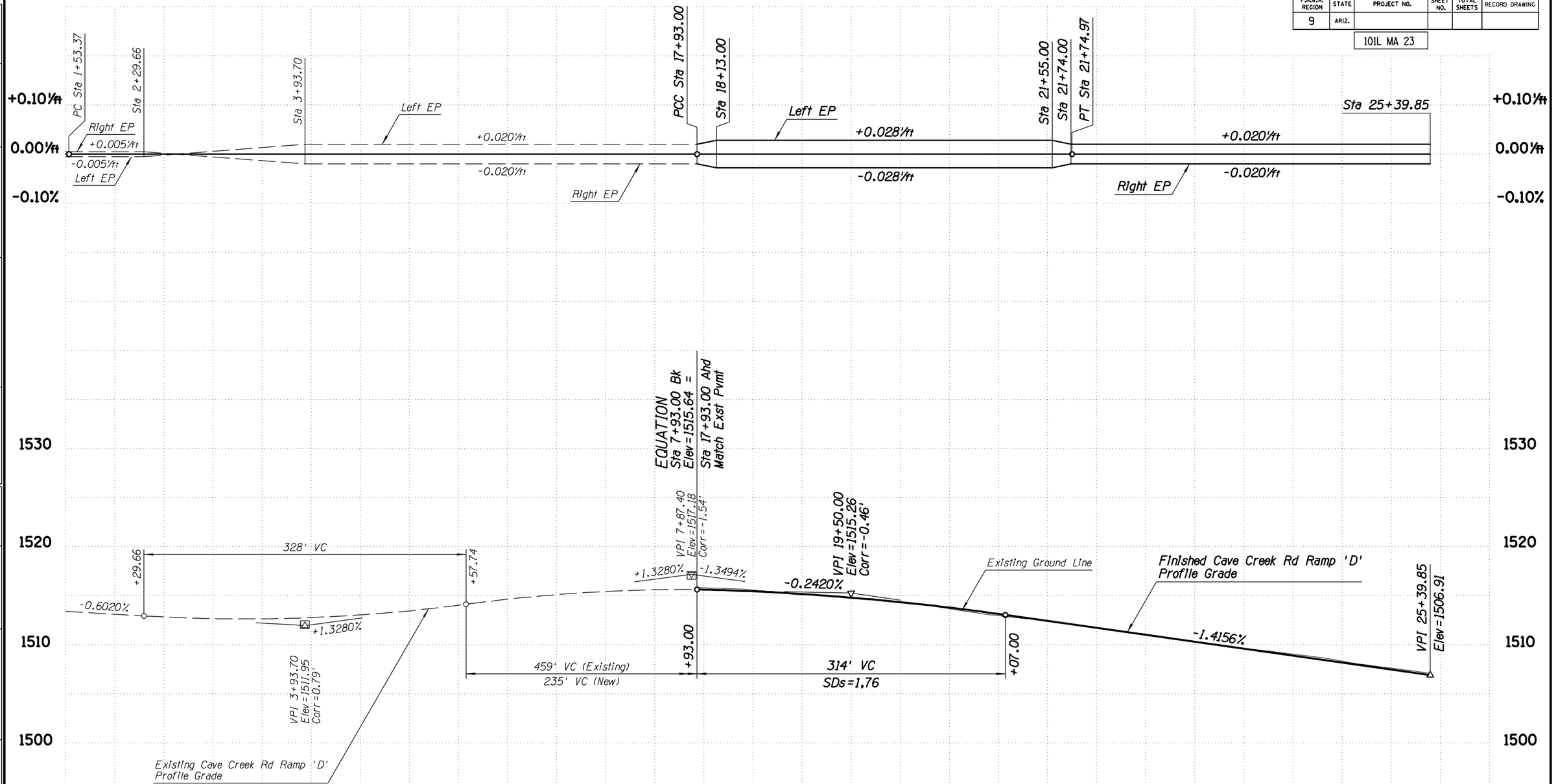
NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.87
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v117.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



5 20 25

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

CAVE CREEK ROAD RAMP 'D'
PROFILE SHEET
Sta 17+93.00 to Sta 25+39.85

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.88
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v118.dgn

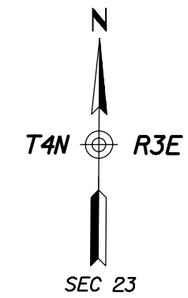
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

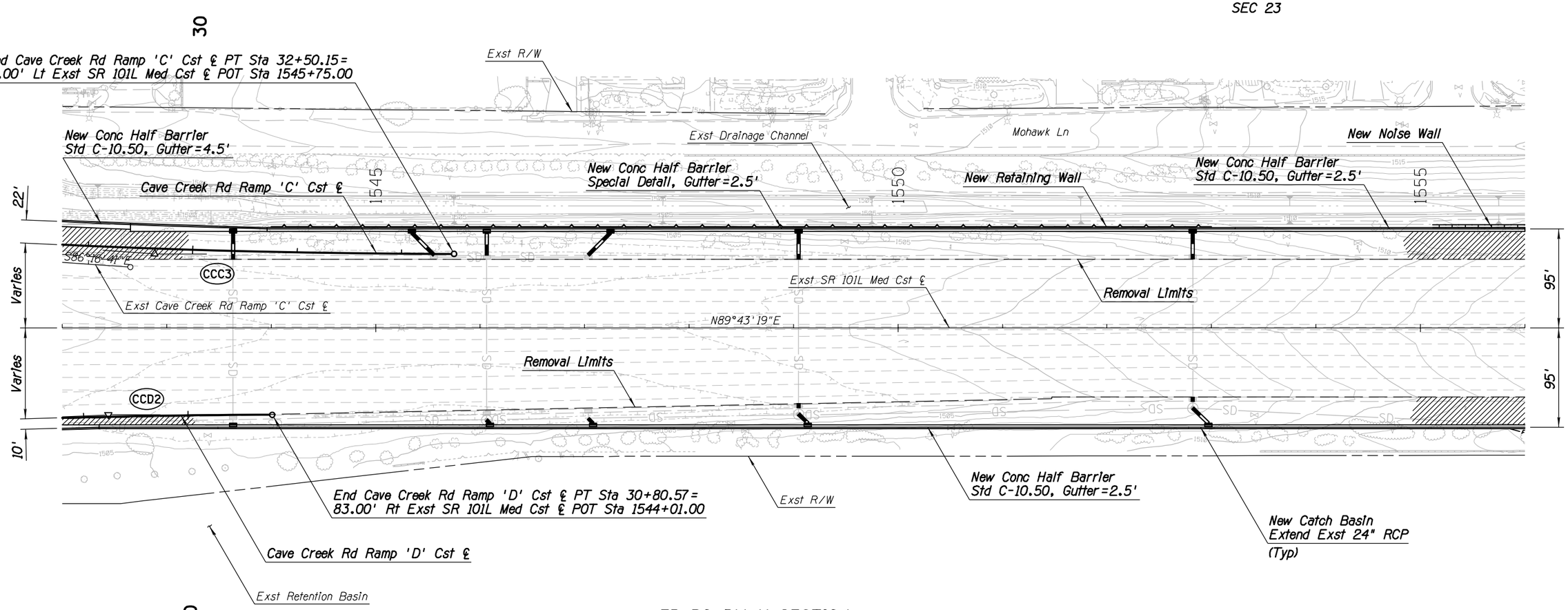
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr





EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1542+00 to Sta 1556+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.89

___ OF ___

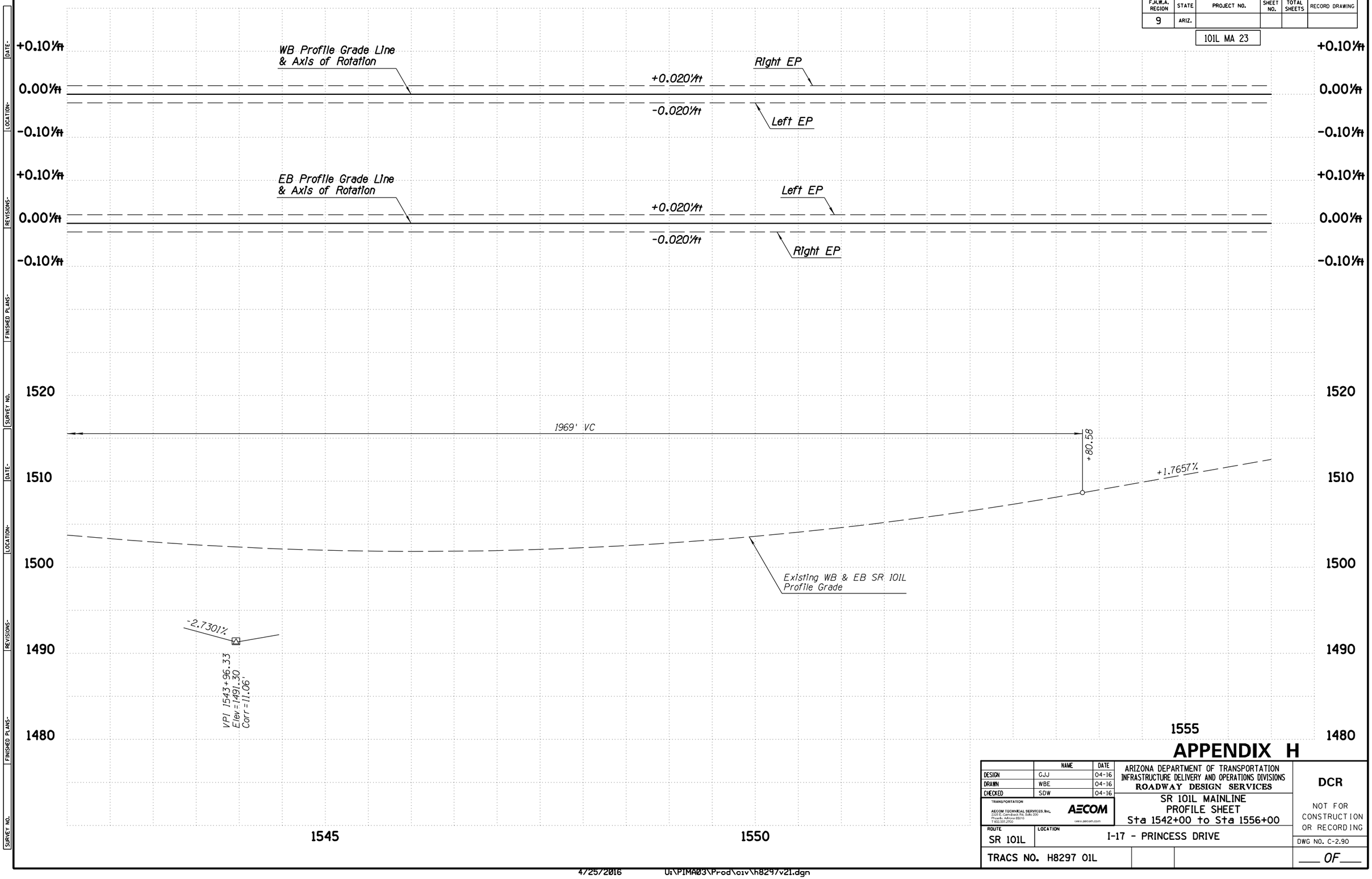
4/25/2016 U:\PIMA03\Prod\civ\h8297p21.dgn

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1542+00 to Sta 1556+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	C-2.90

TRACS NO. H8297 01L ___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v21.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

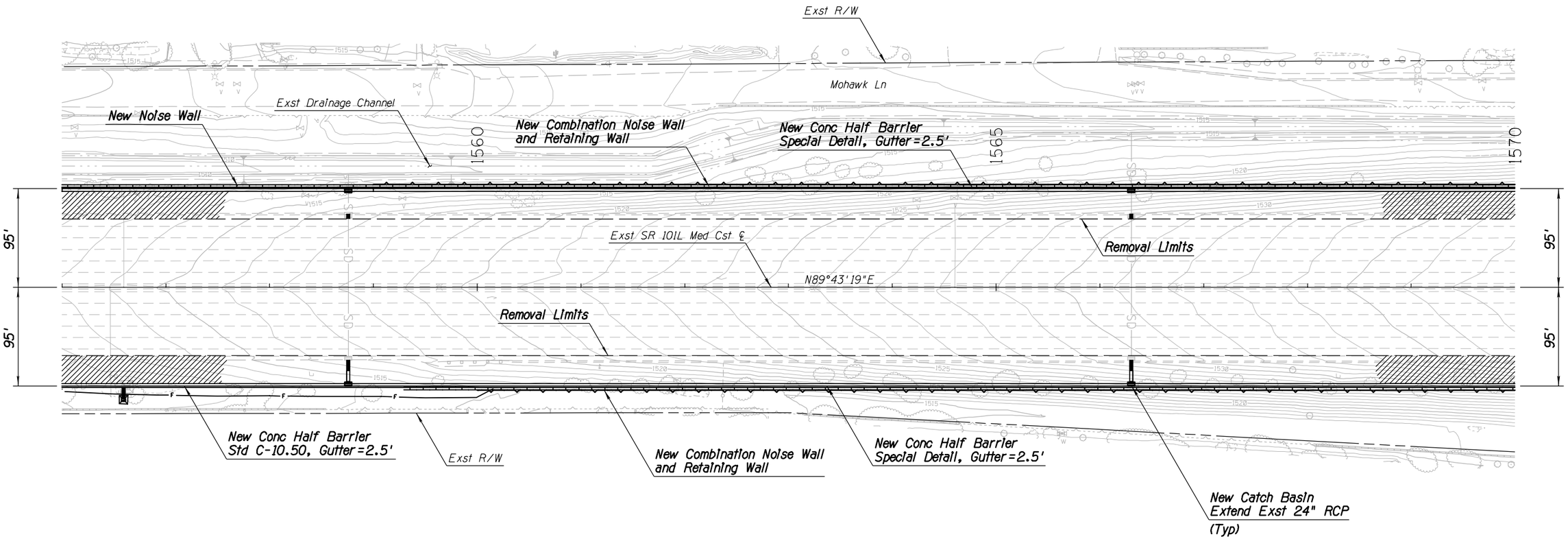
WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

N

T4N R3E

SEC 23



EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
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SR 101L MAINLINE
PLAN SHEET
Sta 1556+00 to Sta 1570+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.91

___ OF ___

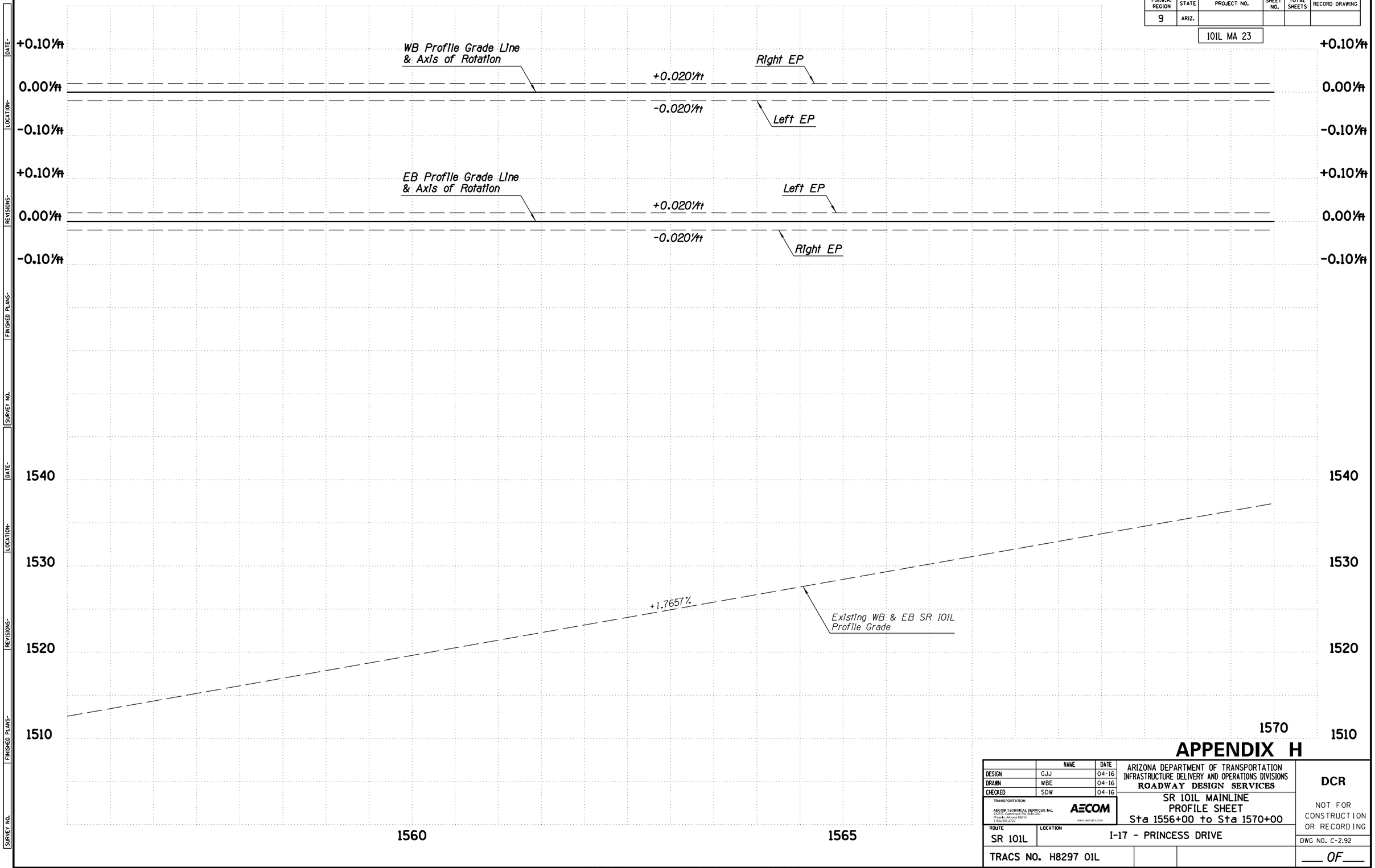
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297p22.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE-
LOCATION-
REVISIONS-
FINISHED PLANS-
SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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ARIZONA DEPARTMENT OF TRANSPORTATION
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ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1556+00 to Sta 1570+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.92
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v22.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

N

T4N ⊕ R3E

SEC 24

Exst R/W

Mohawk Ln

Exst Drainage Channel

New Conc Half Barrier
Special Detail, Gutter=2.5'

New Combination Noise Wall
and Retaining Wall

1570

1575

S0°09'36"E

1580

Exst Drainage Channel

Exst R/W

New Conc Half Barrier
Special Detail, Gutter=2.5'

New Retaining Wall

95'

Removal Limits

N89°43'19"E

20

Exst SR 101L Med Cst ℄

Removal Limits

95'

New Conc Half Barrier
Special Detail, Gutter=2.5'

New Combination Noise Wall
and Retaining Wall

Widen Exst
32nd St Overpass
(Typ)

New Conc Half Barrier
Special Detail, Gutter=2.5'

New Combination Noise Wall
and Retaining Wall

Exst R/W

New Mod Catch Basin
Extend Exst 24" RCP
(Typ)

Exst R/W

Exst 32nd St Cst ℄

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

25

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1570+00 to Sta 1584+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.93

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

___ OF ___

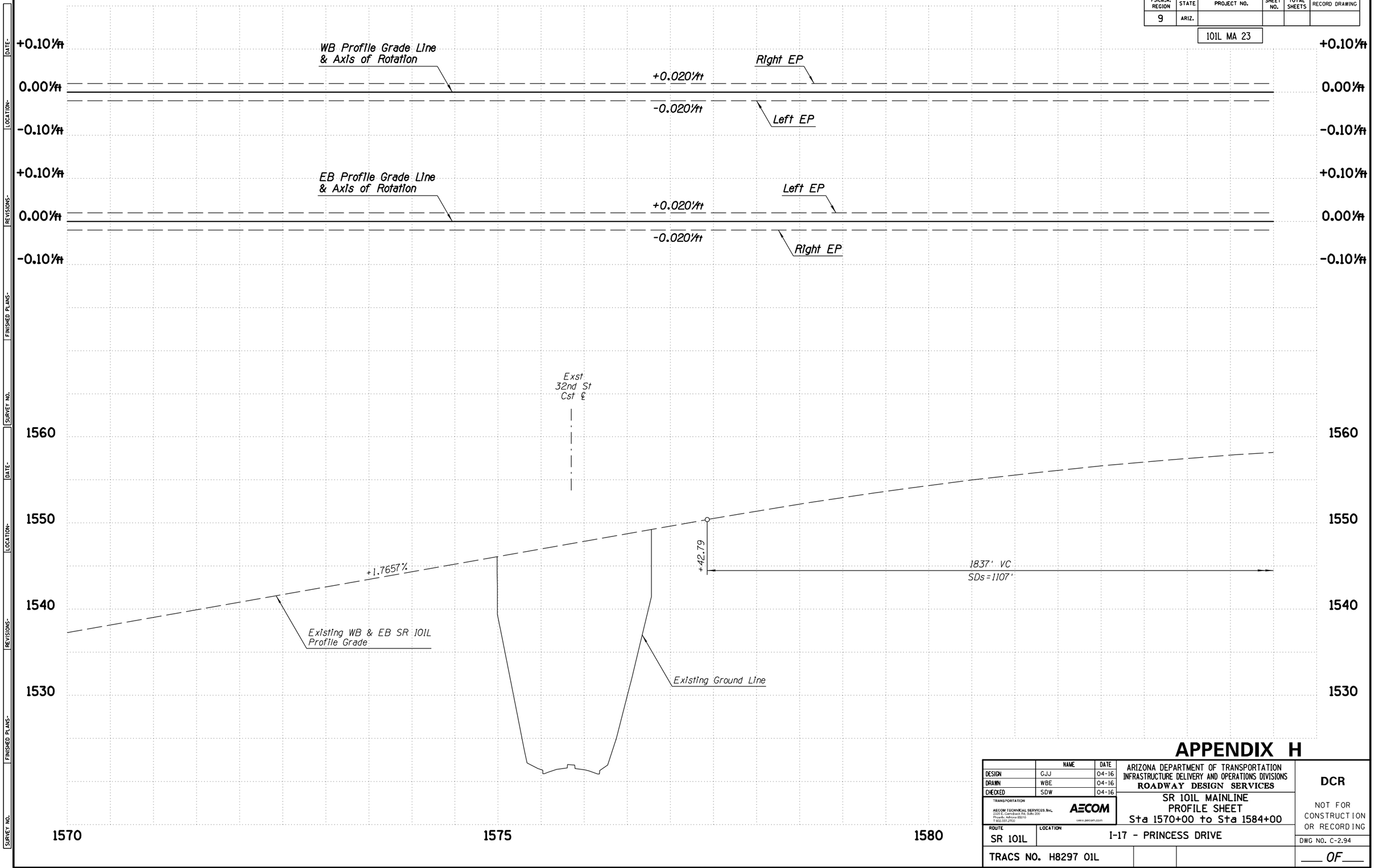
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297p23.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1570+00 to Sta 1584+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.94

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v23.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

N

T4N R3E

SEC 24

WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

Exst Dam Maintenance Rd

End Exst SR 51 Ramp 'N-W' Cst ℄ POT Sta 53+59.69 = 70.05' Lt Exst SR 101L Med Cst ℄ POC Sta 1590+75.19

Exst Drainage Channel

New Conc Half Barrier Special Detail, Gutter=2.5'

Exst R/W

New Retaining Wall

New Conc Half Barrier Special Detail, Gutter=4.5'

New Conc Half Barrier Special Detail, Gutter=2.5'

Widen Exst CAP Canal Bridge (Typ)

Widen Exst Low Flow Channel Bridge (Typ)

Exst SR 51 Ramp 'N-W' Cst ℄

New Retaining Wall

S89°45'12"W

Removal Limits

22'

14'

95'

Exst SR 101L Med Cst ℄

PC 1590+74.64

101-9

N89°43'19"E

Removal Limits

SR 51 Ramp 'E-S' Cst ℄

Exst SR 51 Ramp 'E-S' Cst ℄

XES-3

10'

ES-1

New Combination Noise Wall and Retaining Wall

New Conc Half Barrier Special Detail, Gutter=2.5'

New Conc Half Barrier Special Detail, Gutter=2.5'

New Combination Noise Wall and Retaining Wall

New Combination Noise Wall and Retaining Wall

New Conc Half Barrier Special Detail, Gutter=4.5'

End SR 51 Ramp 'E-S' Cst ℄ PT Sta 53+52.93 = 83.00' Rt Exst SR 101L Med Cst ℄ POC Sta 1593+29.04

Exst R/W

New Retaining Wall

Exst Dam Maintenance Rd

Low Flow Channel

CAP Canal

Reach 11 Dam

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1584+00 to Sta 1598+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.95

TRACS NO. H8297 01L

___ OF ___

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297p24.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

+0.10%ft
0.00%ft
-0.10%ft

WB Profile Grade Line & Axis of Rotation

Sta 1587+92.65

Sta 1591+37.14

+0.031%ft

Left EP

-0.031%ft

PC Sta 1590+74.64

Right EP

EB Profile Grade Line & Axis of Rotation

Sta 1590+55.12

Sta 1591+37.14

+0.031%ft

Left EP

-0.031%ft

PC Sta 1590+74.64

Right EP

Exst CAP Canal Crossing

VPI 1586+61.42
Elev=1566.61
Corr=-7.43'

+1.7657%

-1.4693%

Exst Reach 11 Crossing

Existing WB & EB SR 101L Profile Grade

984' VC

+12.87

+80.06

1837' VC
SDs=1107'

Existing Ground Line

Existing Ground Line

1560
1550
1540
1530

1585
1590
1595

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1584+00 to Sta 1598+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.96

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v24.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.

Exst Drainage Channel

Exst R/W

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

New Retaining Wall

PT 42+83.69

Exst SR 51 Ramp 'N-W' Cst ℄

New Retaining Half Barrier
Special Detail

+00.00
22.00' Rt

N

T4N R3E

SEC 24

S89°45'12"W

22'

14'

1600

1605

1610

XNW-1

Exst SR 101L Med Cst ℄

101-9

PT 1603+87.83

PC 1606+90.55

101-10

S77°32'14"E

New Conc Half Barrier
Special Detail, Gutter=4.5'

New Conc Curb & Gutter
Type C, Std C-05.10

101-15

S77°32'14"E

POT 1606+90.55

Exst EB SR 101L Cst ℄

Varies

65:1 Taper

XES-3

10'

ES-1

N72°44'16"W

PC 34+94.74

+90.55
48.00' Rt

16.10

PC 1610+30.83

New Retaining Wall

SR 51 Ramp 'E-S' Cst ℄

PT 32+41.11

New Catch Basin
(Typ)

New Retaining Half Barrier
Special Detail

XES-2

SR 51 Ramp 'E-S' Cst ℄ Sta 45+80.24=
107.53' Rt Exst SR 101L Med Cst ℄ Sta 1601+13.32

Nose of Gore Control Point

Begin SR 51 Ramp 'E-S' Cst ℄ PC Sta 43+17.26=
0.00' Rt Exst SR 51 Ramp 'E-S' Cst ℄ POT Sta 33+17.26

Exst R/W

Exst SR 51 Ramp 'E-S' Cst ℄

Reach 11 Dam
Reservoir

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1598+00 to Sta 1612+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.97

TRACS NO. H8297 01L

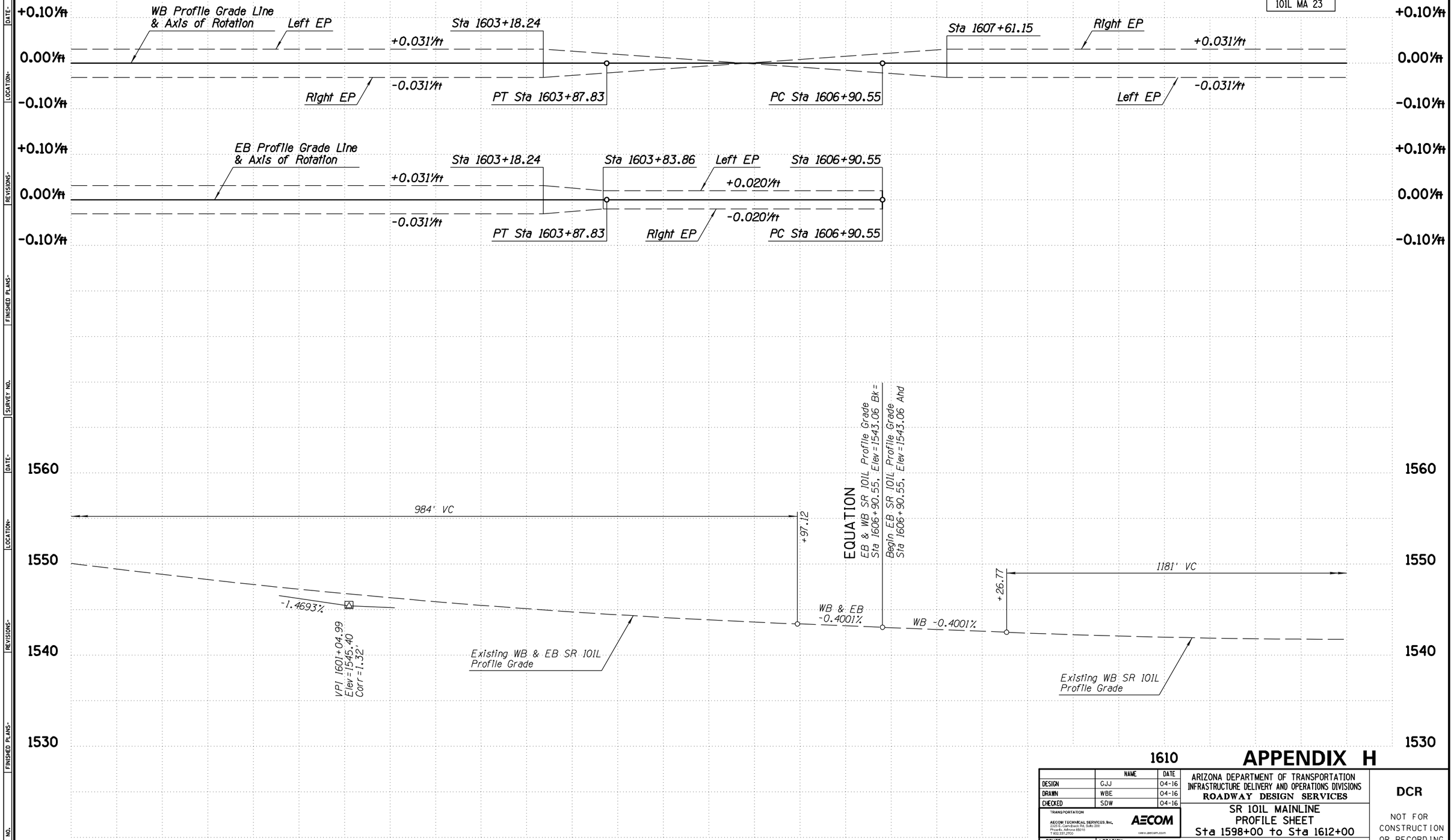
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297p25.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2505 E. Camelback Rd, Suite 300
Phoenix, Arizona 85016
T 602.337.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1598+00 to Sta 1612+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.98

TRACS NO. H8297 01L

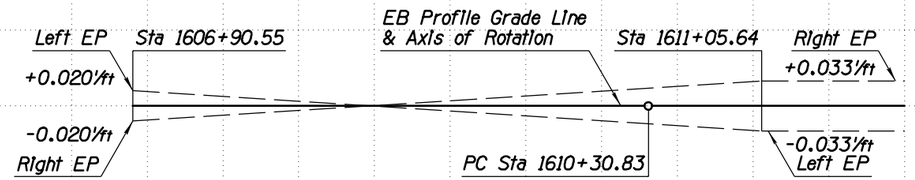
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v25.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.371.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EASTBOUND SR 101L
PROFILE SHEET
Sta 1606+90.55 to Sta 1612+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

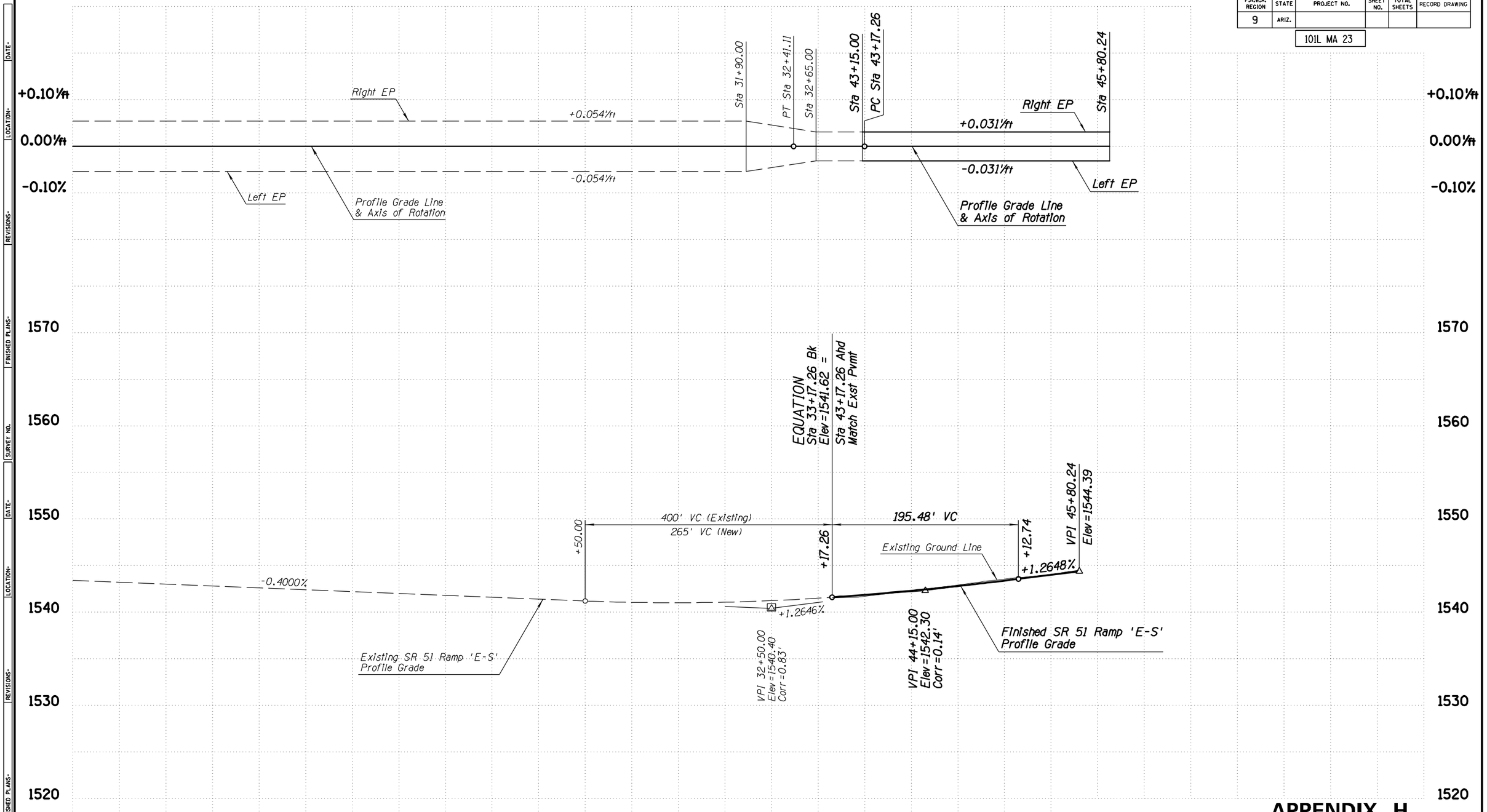
ROUTE	LOCATION	DWG NO. C-2.99
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v52.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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T 602.371.2700
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 51 Ramp 'E-S'
PROFILE SHEET
Sta 43+15.00 to Sta 45+80.24

DCR

NOT FOR CONSTRUCTION OR RECORDING

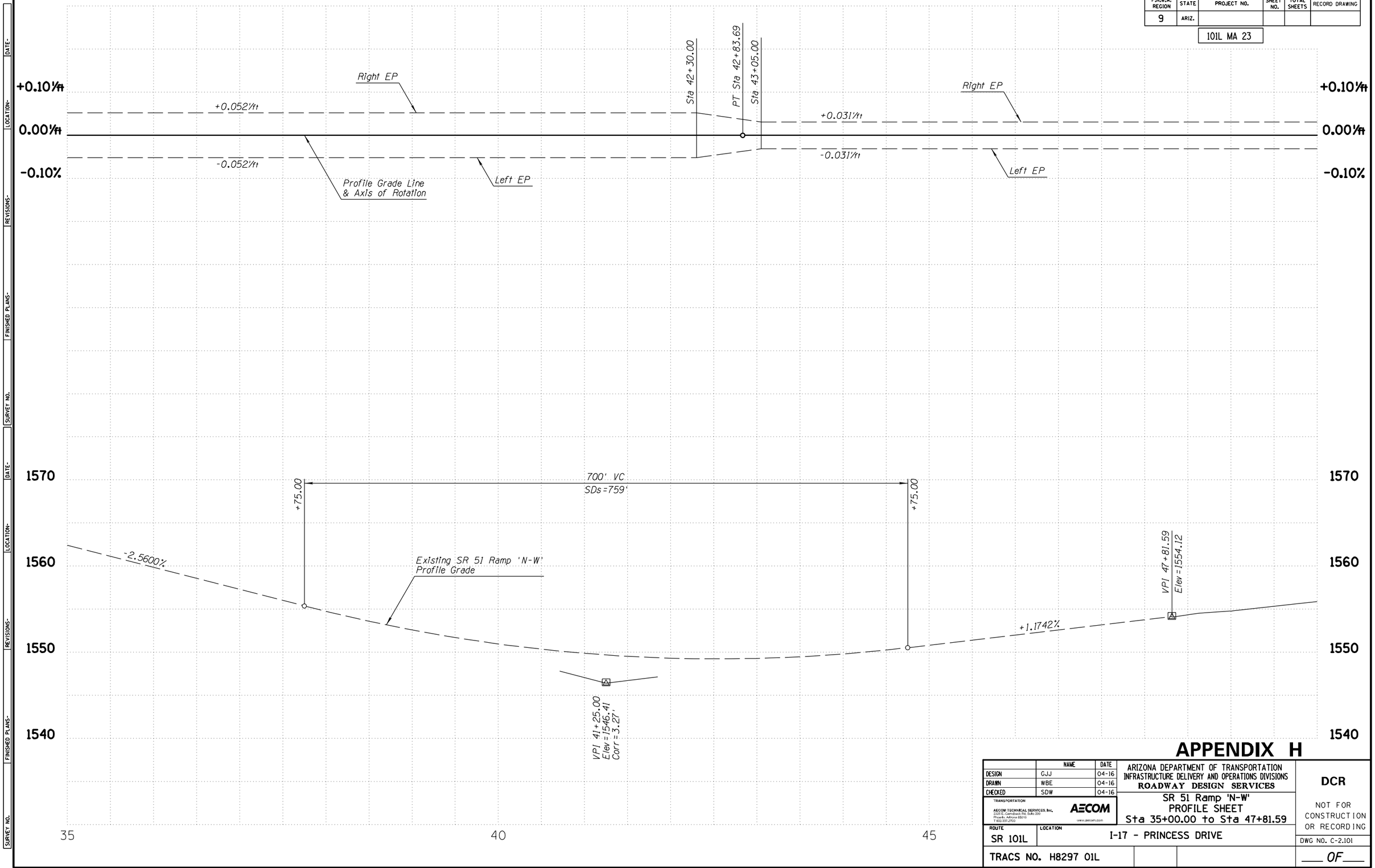
ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	C-2.100
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v150.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 51 Ramp 'N-W'
PROFILE SHEET
Sta 35+00.00 to Sta 47+81.59

DCR

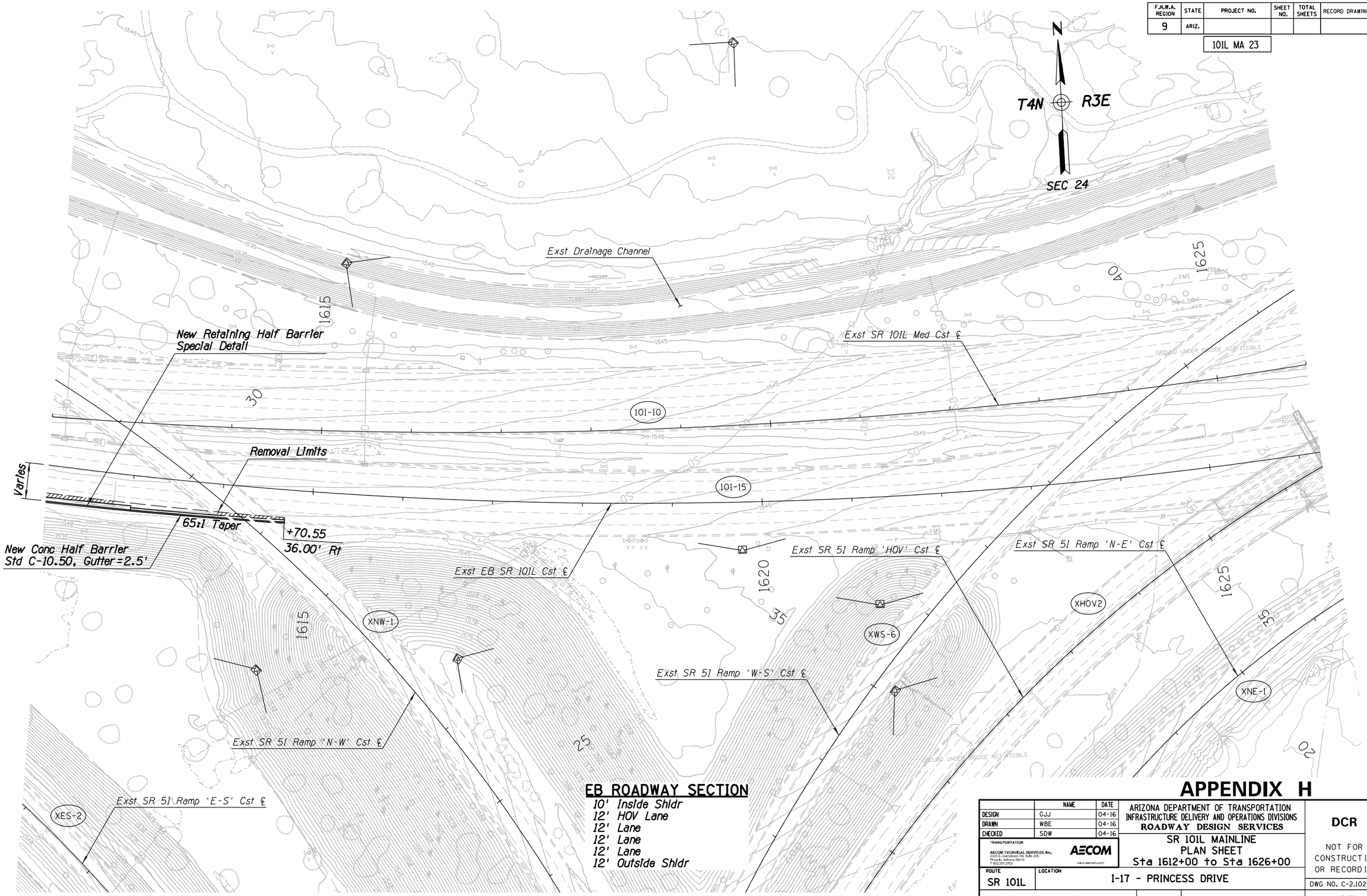
NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO. C-2.101
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v153.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1612+00 to Sta 1626+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.102

TRACS NO. H8297 01L

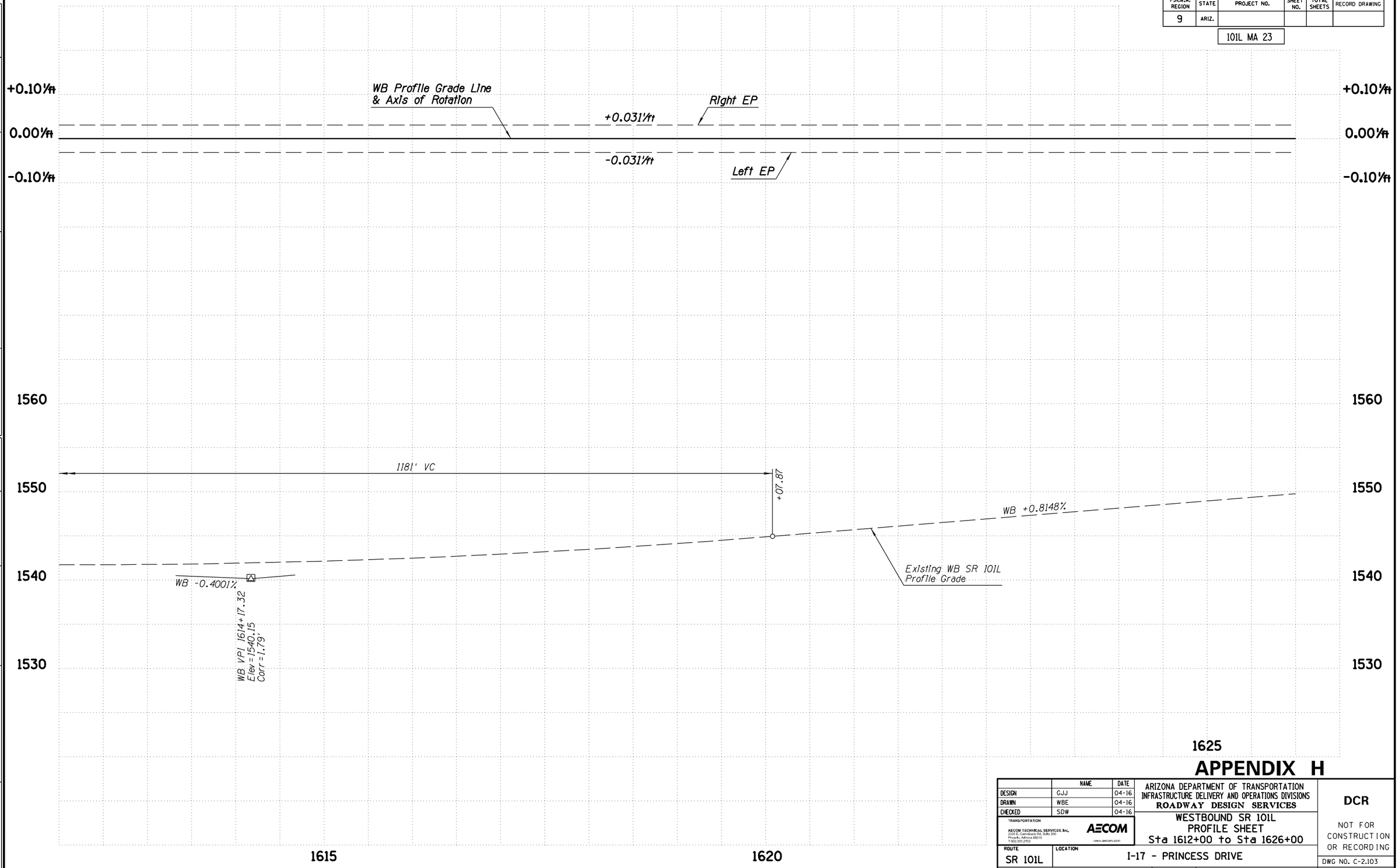
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297p26.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE-
LOCATION-
REVISIONS-
FINISHED PLANS-
SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

WESTBOUND SR 101L
PROFILE SHEET
Sta 1612+00 to Sta 1626+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.103

TRACS NO. H8297 01L

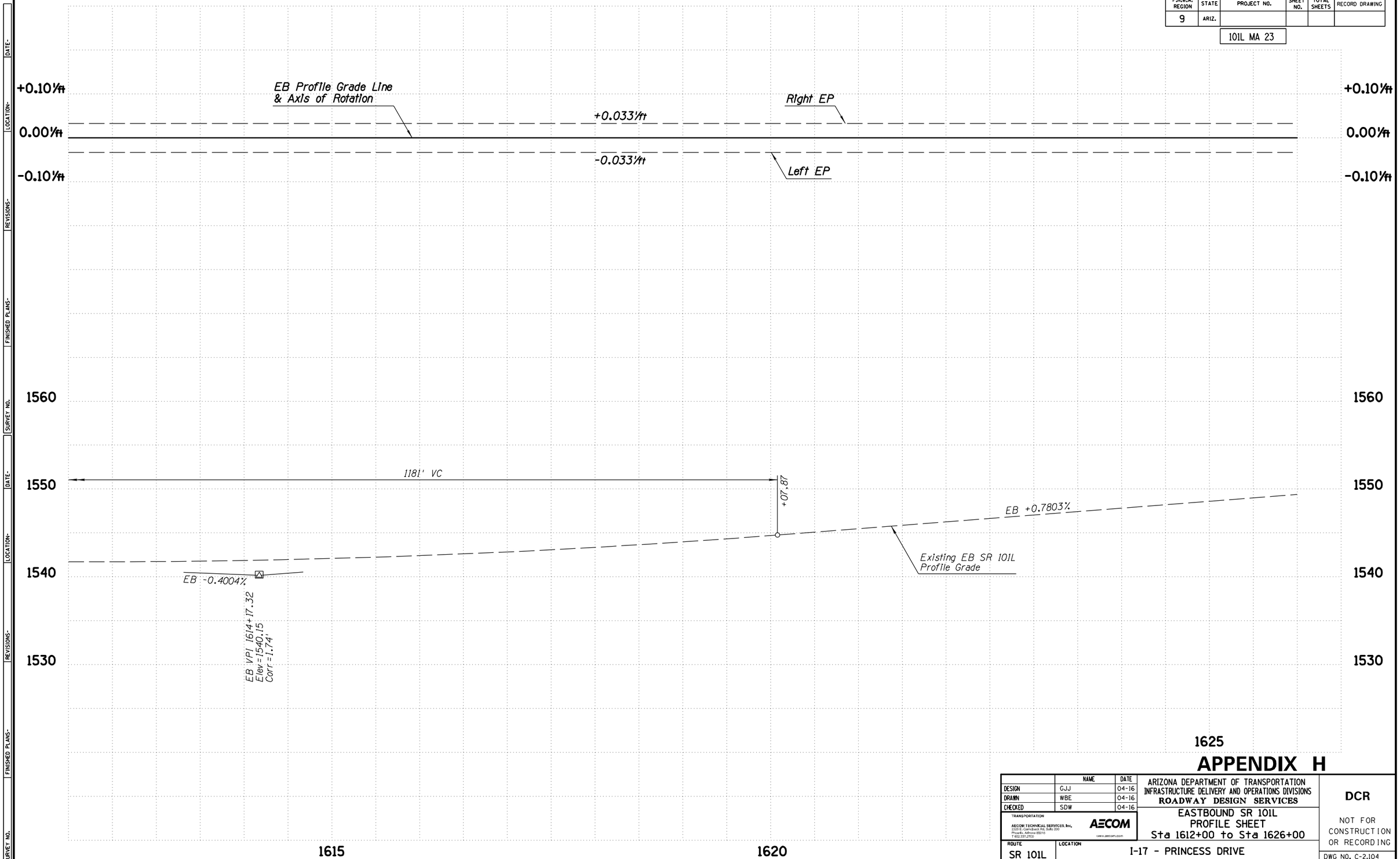
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v26.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE-
LOCATION-
REVISIONS-
FINISHED PLANS-
SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
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CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EASTBOUND SR 101L
PROFILE SHEET
Sta 1612+00 to Sta 1626+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.104

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v53.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

N

T4N R4E

SEC 19

Exst R/W

Exst Drainage Channel

Exst Drainage Channel

Exst SR 51 Ramp 'W-S' Cst ℄

XWS-6

PT 49+23.28

N85°33'12"E

Exst SR 101L Med Cst ℄

Exst SR 51 Ramp 'HOV' Cst ℄

PT 1632+32.38

N77°48'06"E

PC 1637+30.44

101-11

101-10

XHOV3

PC 47+93.76

XHOV2

PT 40+32.85

101-16

101-15

XNE-2

N76°31'36"E

XNE-1

PT 24+59.95

Exst R/W

PT 1632+19.631

Exst EB SR 101L Cst ℄

PC 1636+62.26

PC 34+47.43

Exst SR 51 Ramp 'N-E' Cst ℄

1630

1635

1640

45

50

55

40

25

30

35

GROUND UNDER BRIDGE NOT VISIBLE

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
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CHECKED	SDW	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 300
Phoenix, Arizona 85016
T 602.337.2700
AECOM
www.aecom.com

SR 101L MAINLINE
PLAN SHEET
Sta 1626+00 to Sta 1640+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.105

TRACS NO. H8297 01L

___ OF ___

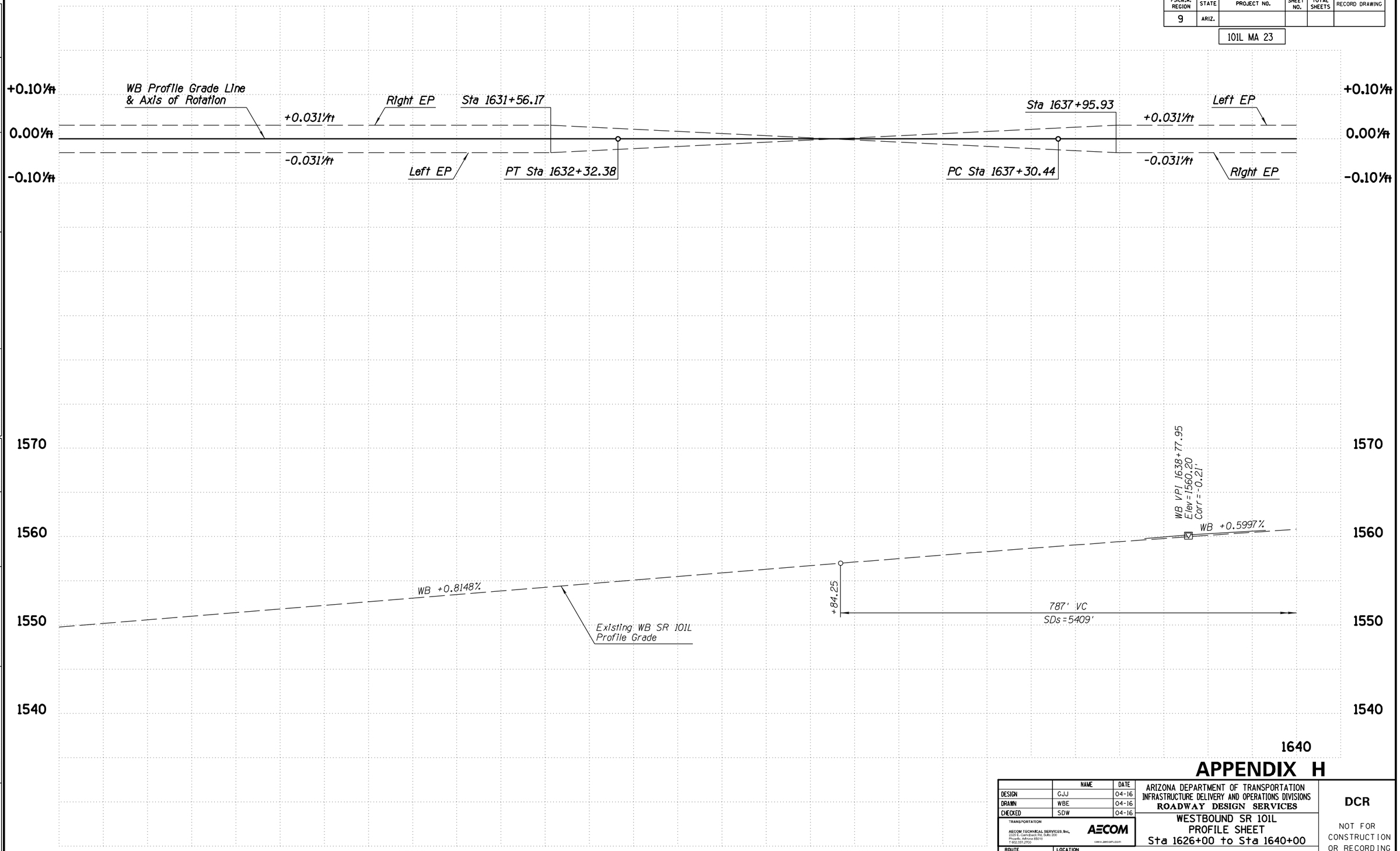
4/25/2016 U:\PIMA03\Prod\civ\h8297p27.dgn

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
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TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

WESTBOUND SR 101L
PROFILE SHEET
Sta 1626+00 to Sta 1640+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

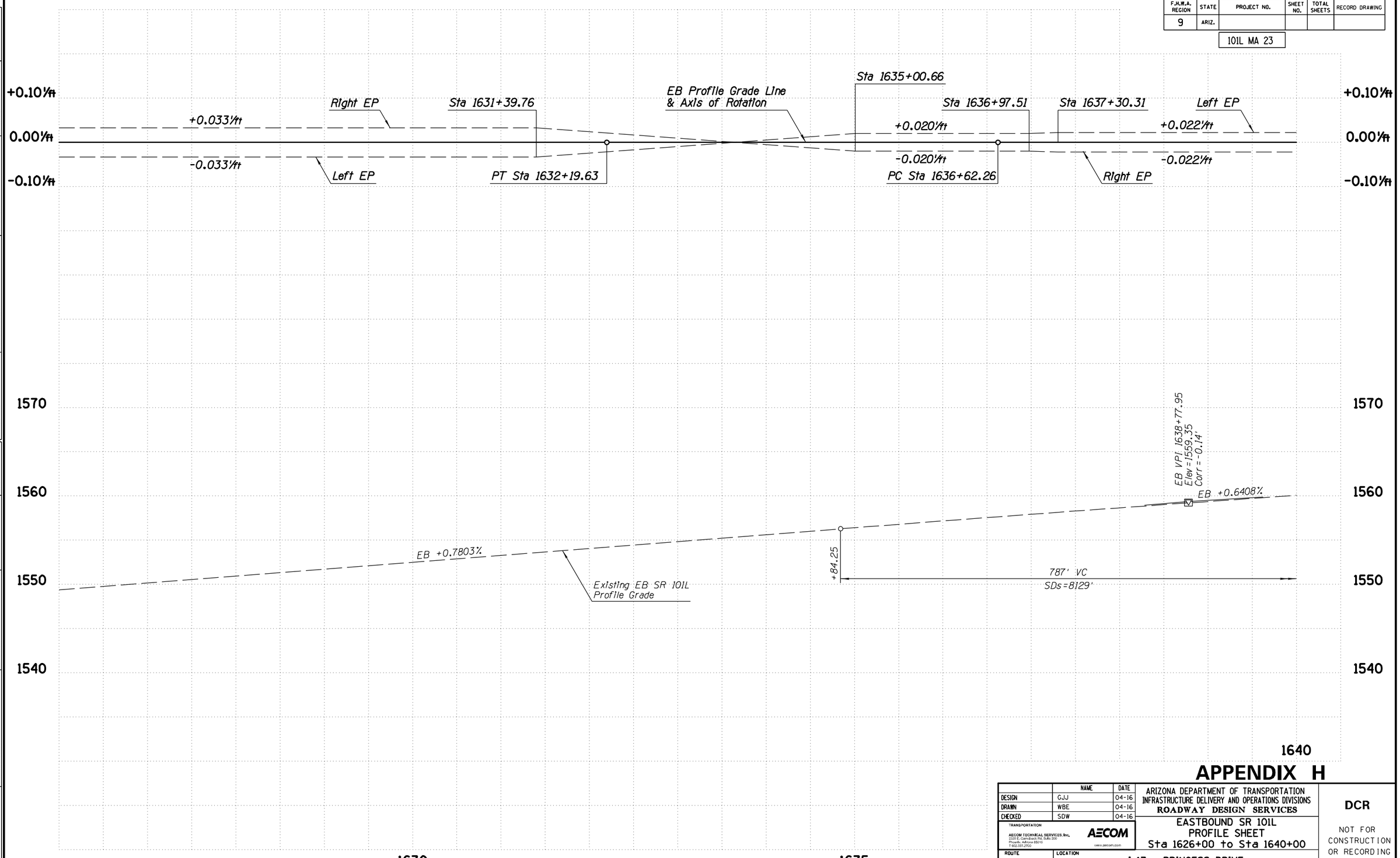
ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.106
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v27.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
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TRANSPORTATION

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EASTBOUND SR 101L
PROFILE SHEET
Sta 1626+00 to Sta 1640+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	C-2.107
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v54.dgn

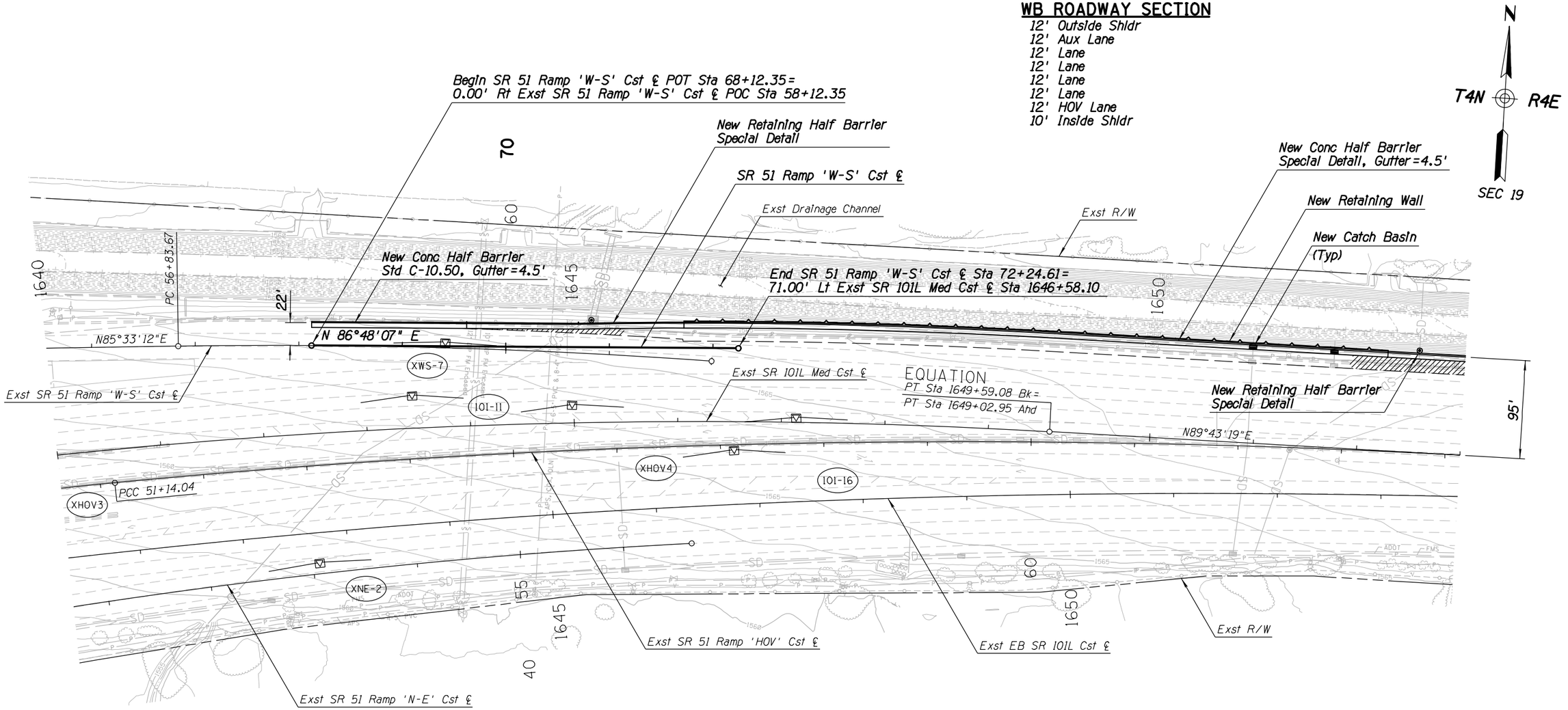
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
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TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1640+00 to Sta 1653+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.108

TRACS NO. H8297 01L

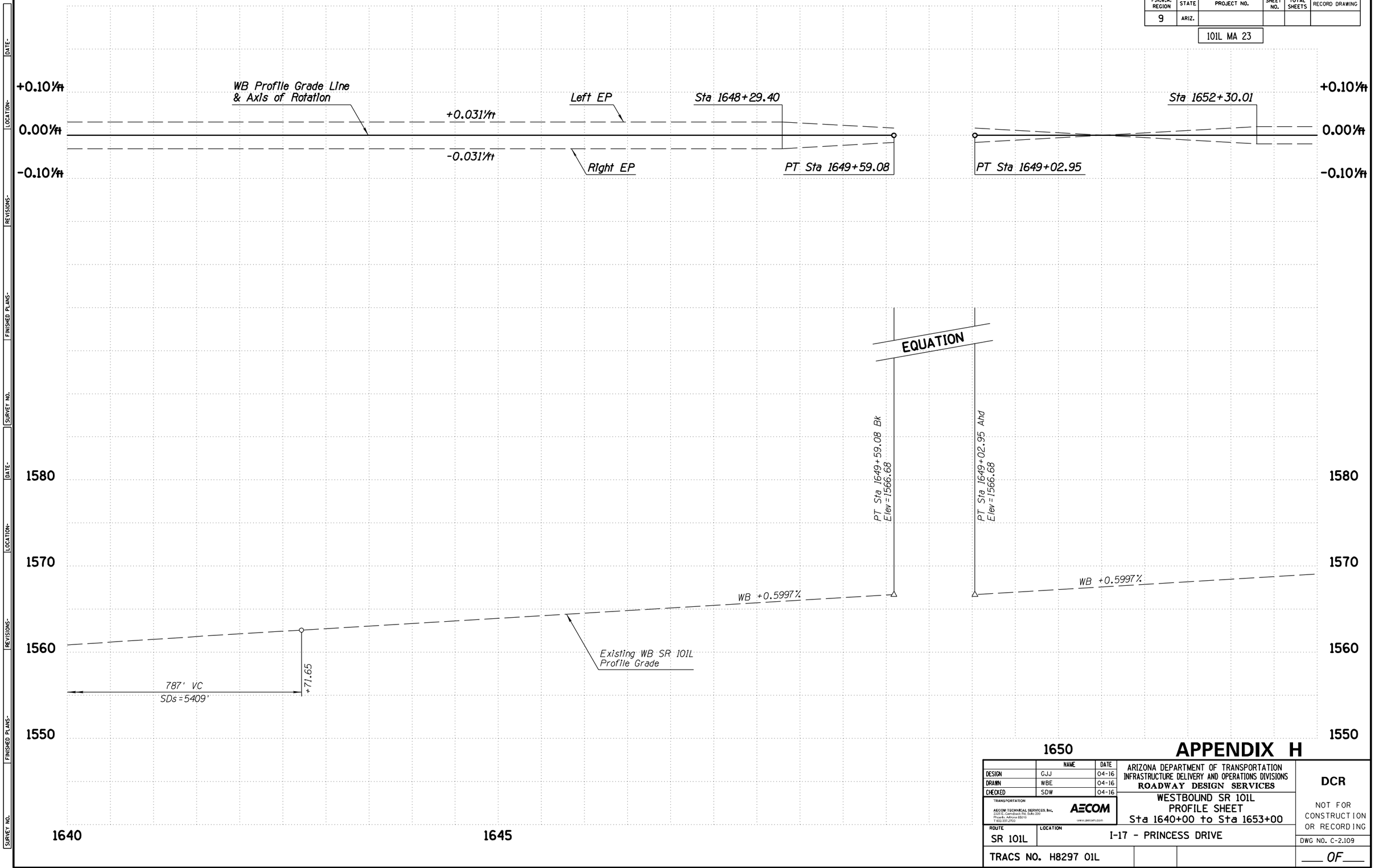
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297p28.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
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TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

WESTBOUND SR 101L
PROFILE SHEET
Sta 1640+00 to Sta 1653+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

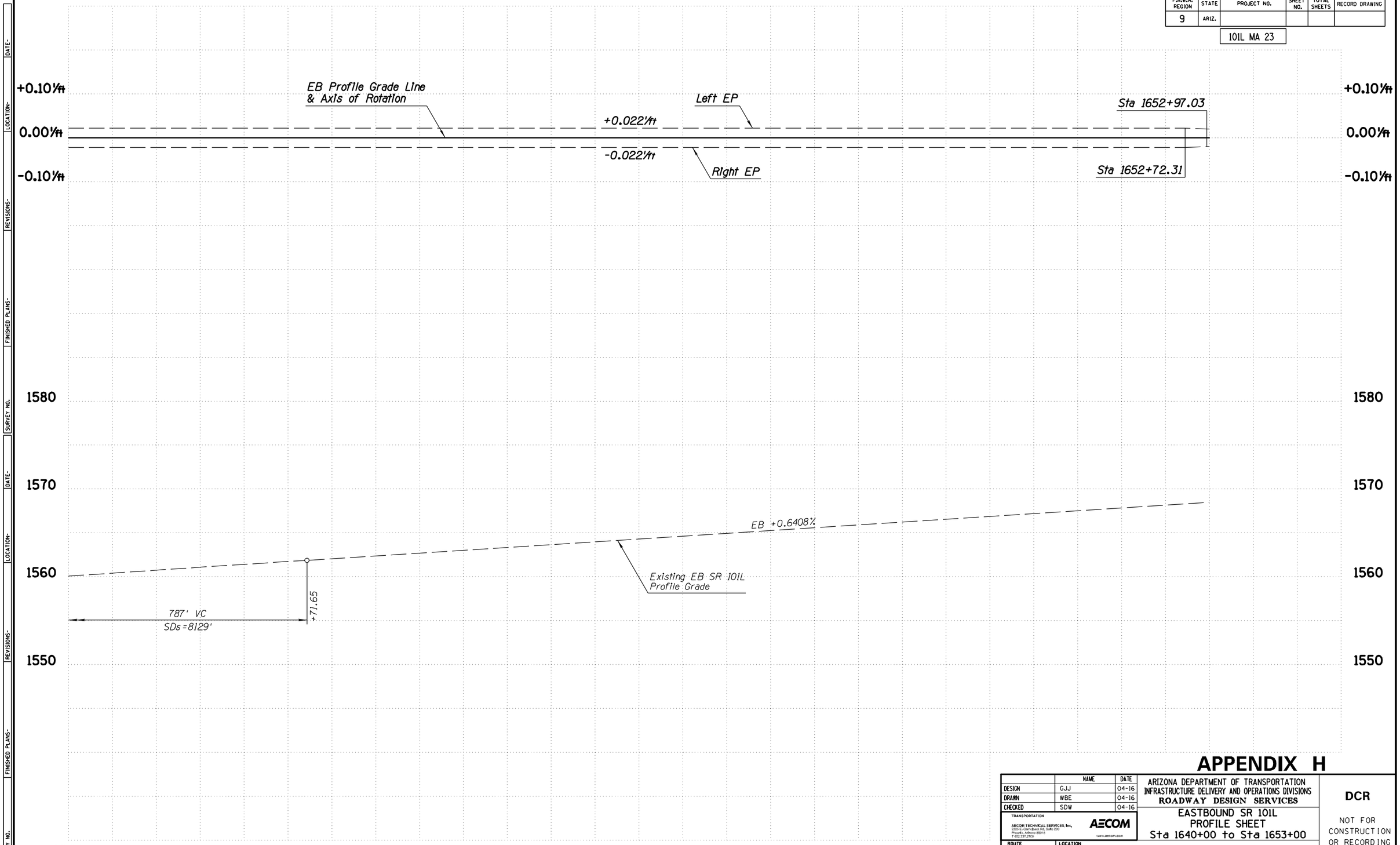
ROUTE	LOCATION	DWG NO. C-2.109
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v28.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EASTBOUND SR 101L
PROFILE SHEET
Sta 1640+00 to Sta 1653+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.110

TRACS NO. H8297 01L

___ OF ___

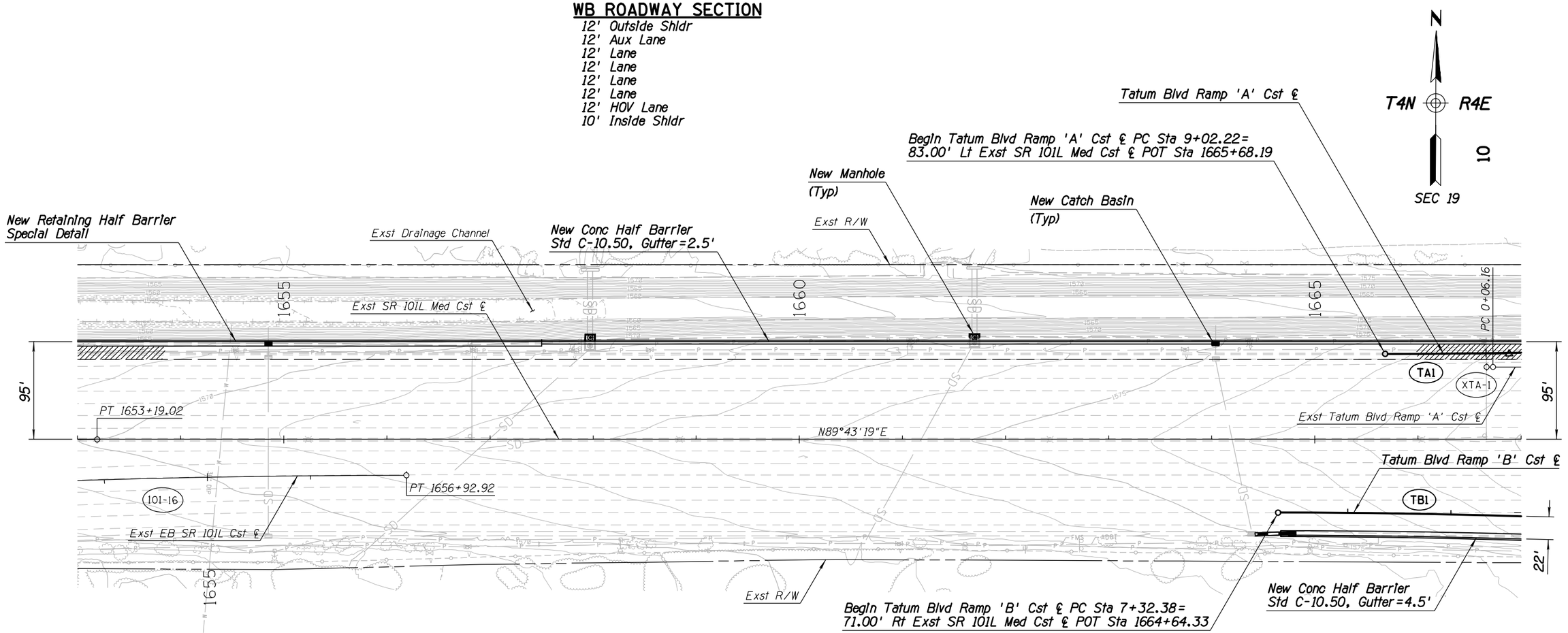
4/25/2016 U:\PIMA03\Prod\civ\h8297v55.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr



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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1653+00 to Sta 1667+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.111

___ OF ___

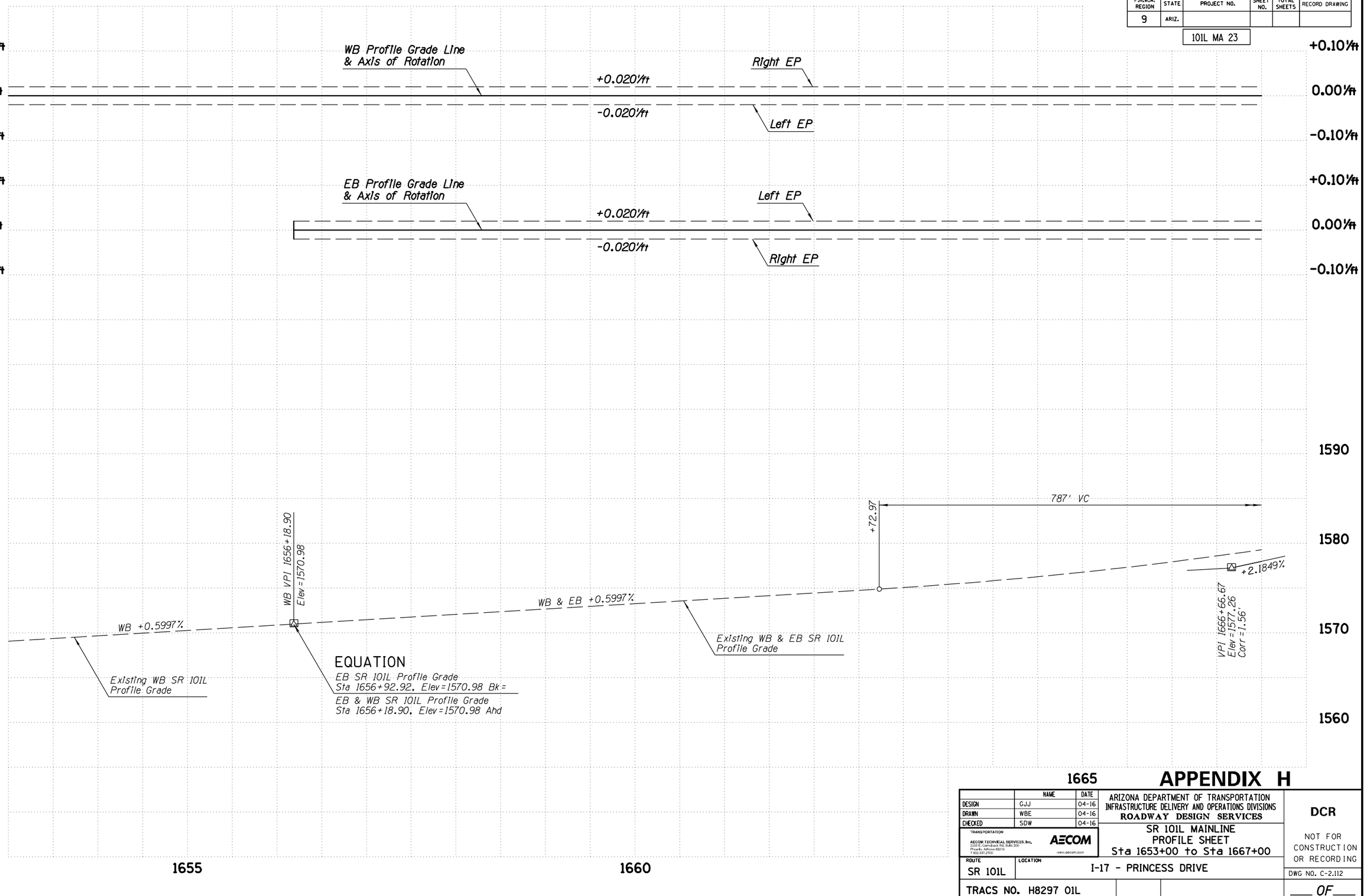
4/25/2016 U:\PIMA03\Prod\civ\h8297p29.dgn

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE-
LOCATION-
REVISIONS-
FINISHED PLANS-
SURVEY NO.



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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1653+00 to Sta 1667+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.112

TRACS NO. H8297 01L

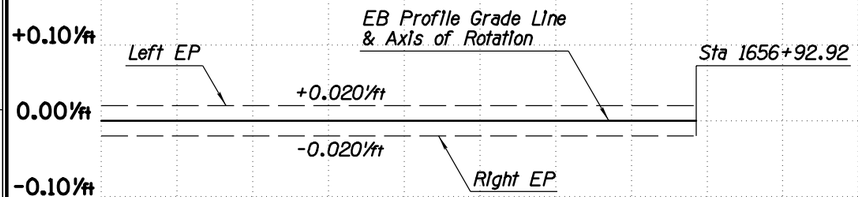
___ OF ___

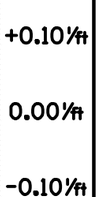
4/25/2016 U:\PIMA03\Prod\civ\h8297v29.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE-
LOCATION-
REVISIONS-
FINISHED PLANS-
SURVEY NO.





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ARIZONA DEPARTMENT OF TRANSPORTATION
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ROADWAY DESIGN SERVICES

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T 602.317.2700
AECOM
www.aecom.com

EASTBOUND SR 101L
PROFILE SHEET
Sta 1653+00 to Sta 1656+92.92

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.113

TRACS NO. H8297 01L

___ OF ___

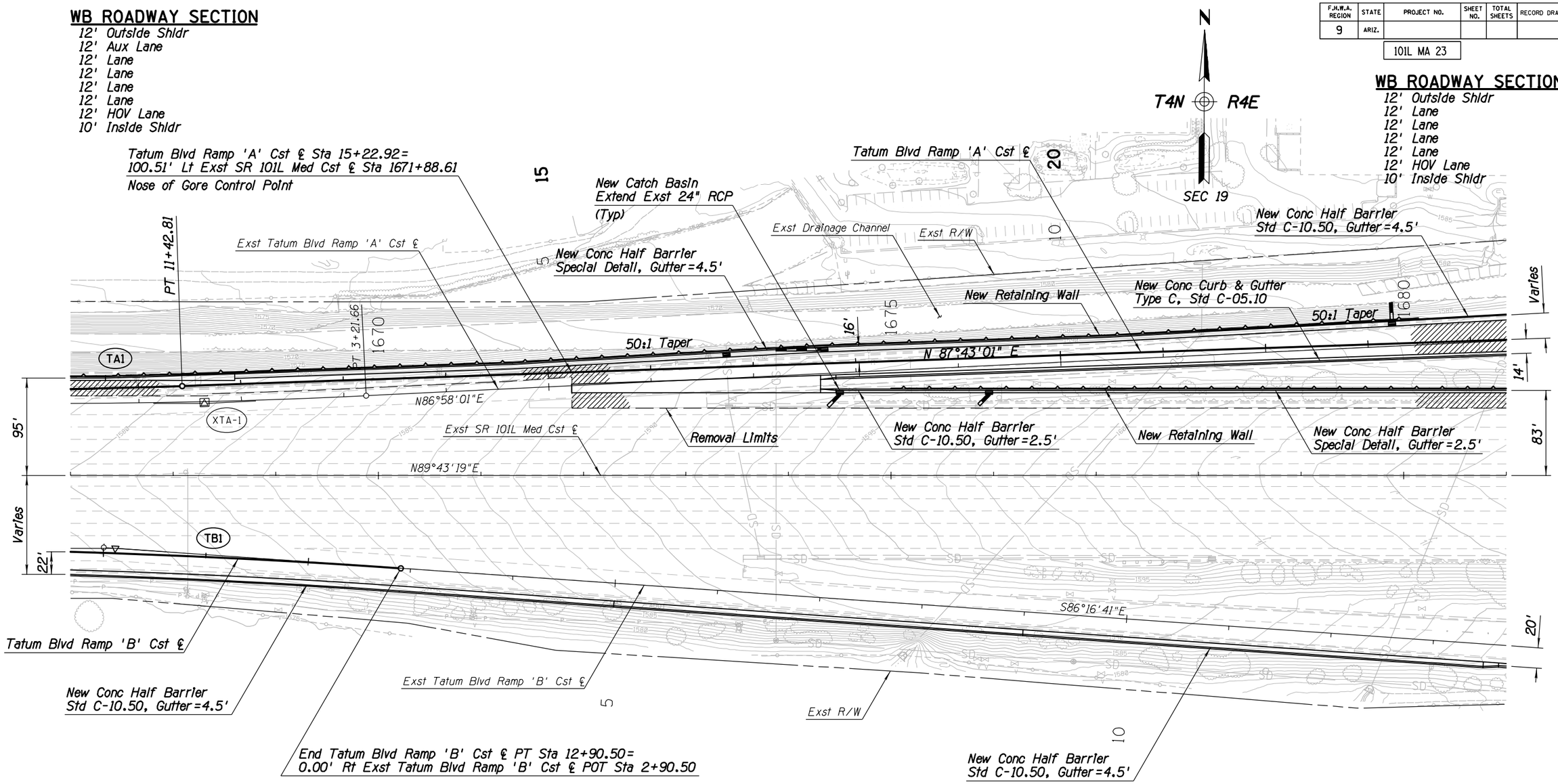
4/25/2016 U:\PIMA03\Prod\civ\h8297v56.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr



WB ROADWAY SECTION

12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2020 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.337.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1667+00 to Sta 1681+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.114

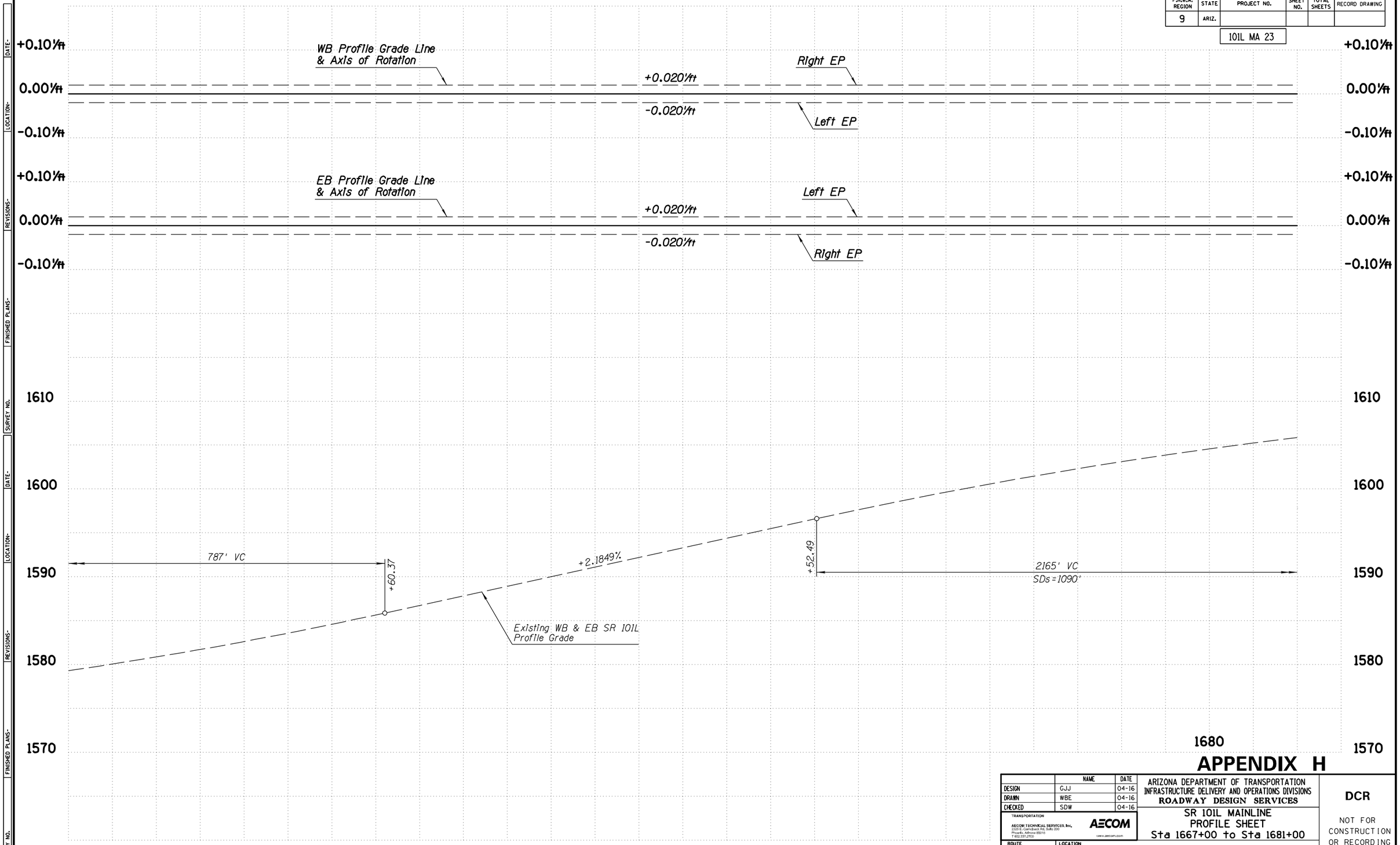
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297p30.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.317.2700
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1667+00 to Sta 1681+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

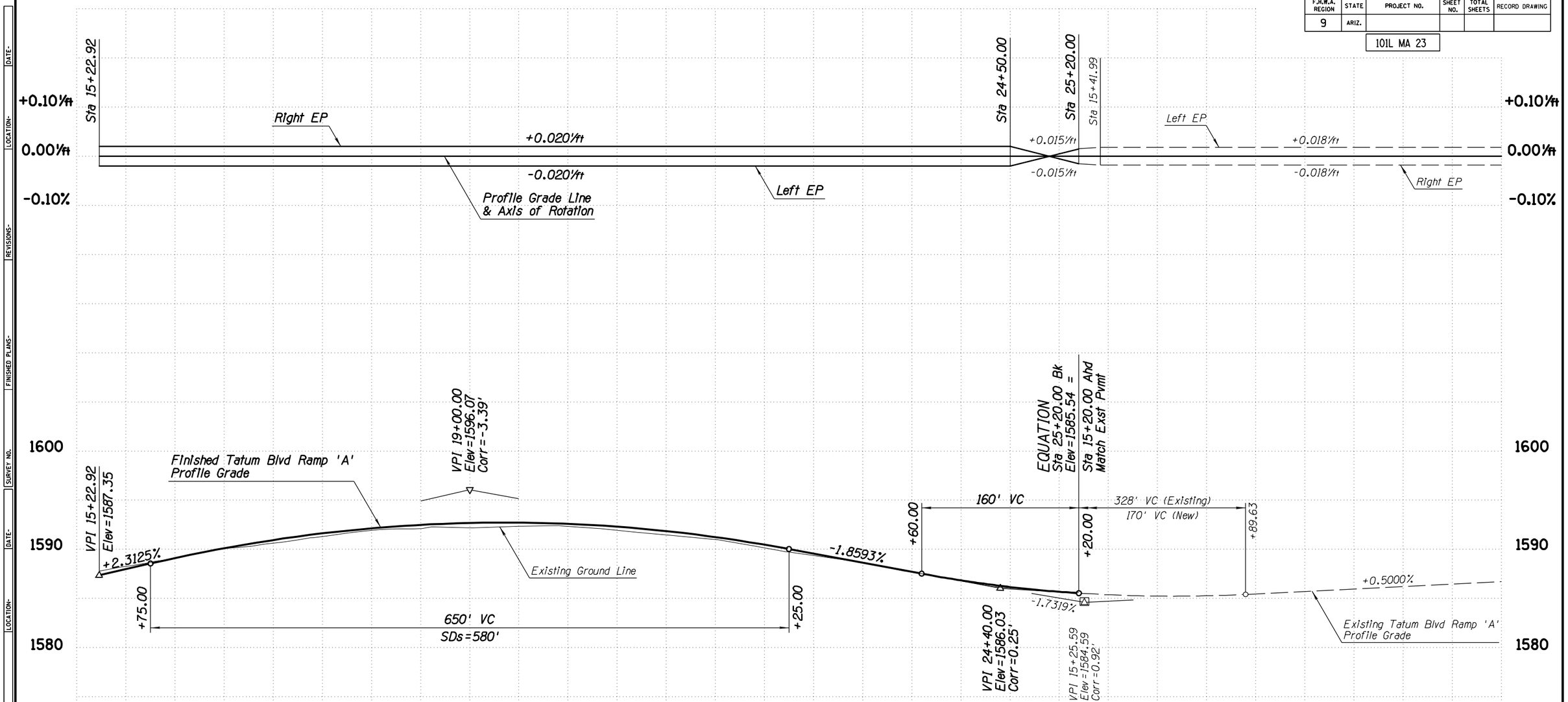
ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.115
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v30.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION

AECOM TECHNICAL SERVICES, Inc.
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T 602.337.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

TATUM BLVD RAMP 'A'
PROFILE SHEET
Sta 15+22.92 to Sta 25+20.00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.116

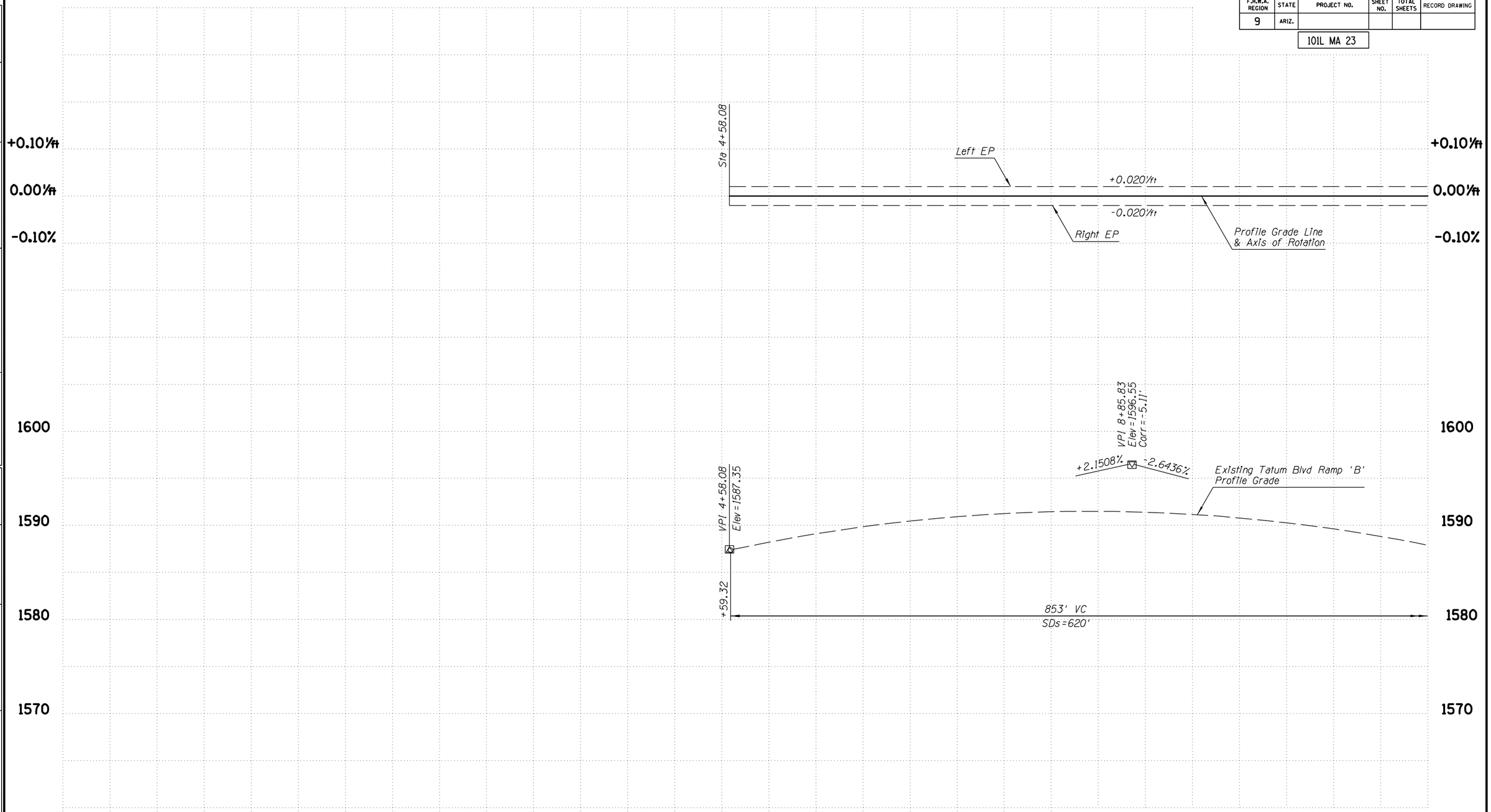
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v119.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-



5 5

10 **APPENDIX H**

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION

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T 602.337.2700

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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

TATUM BLVD RAMP 'B'
PROFILE SHEET
Sta 4+58.08 to Sta 12+00.00

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.117

ROUTE: SR 101L

LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

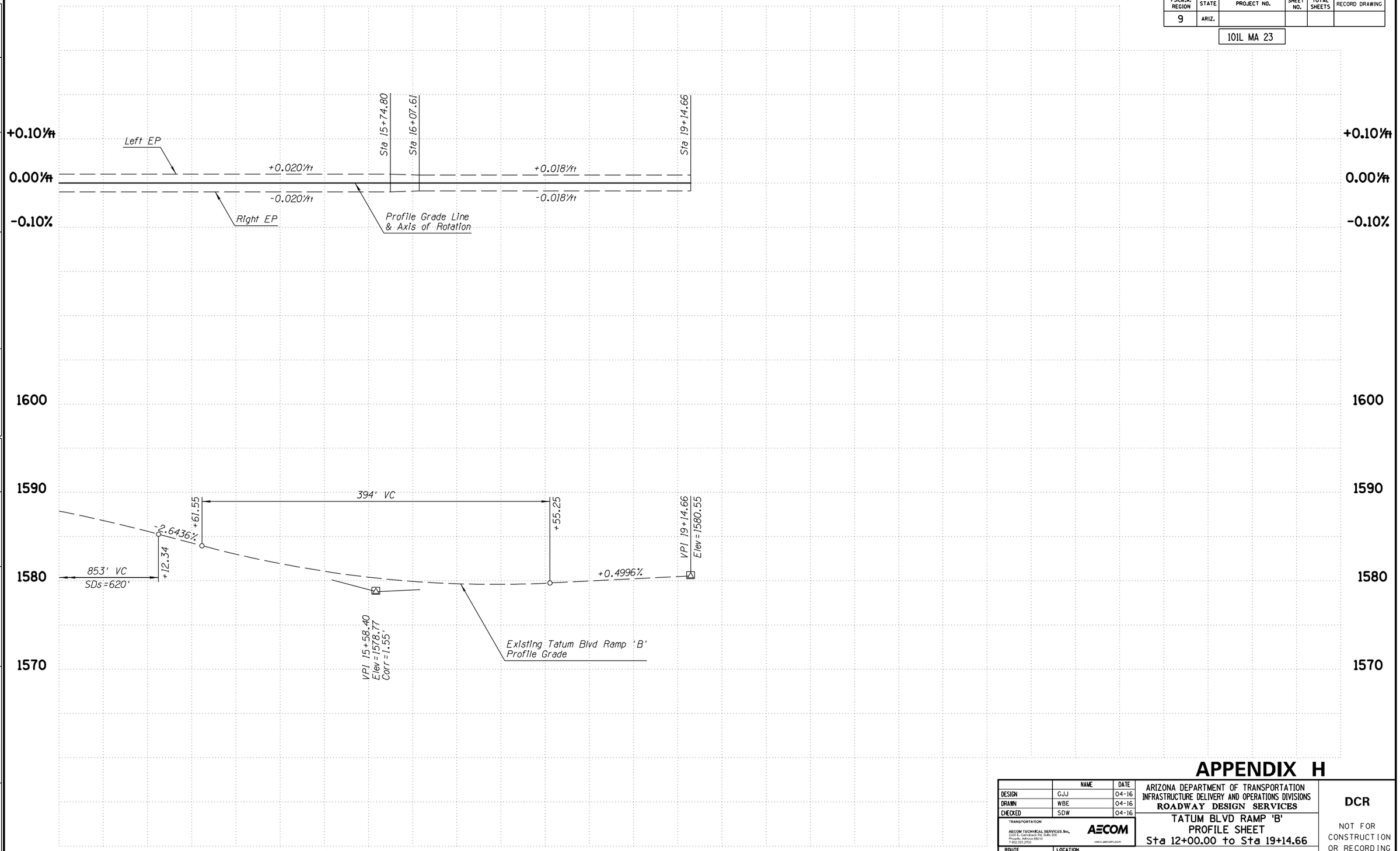
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v15l.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

TATUM BLVD RAMP 'B'
PROFILE SHEET
Sta 12+00.00 to Sta 19+14.66

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.118
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v152.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

N

T4N R4E

SEC 20

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

End Tatum Blvd Ramp 'A' Cst ℄ POT Sta 25+20.00=
0.00' Rt Exst Tatum Blvd Ramp 'A' Cst ℄ POT Sta 15+20.00

Exst R/W

Exst Drainage Channel

Tatum Blvd Ramp 'C' Cst ℄

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

Begin Tatum Blvd Ramp 'C' Cst ℄ PC Sta 18+10.87=
0.00' Rt Exst Tatum Blvd Ramp 'C' Cst ℄ POC Sta 8+10.87

Exst Tatum Blvd Cst ℄

New 24" RCP
Tie To Exist
(Typ)

PC 2+66.10

Exst Tatum Blvd Ramp 'C' Cst ℄

New Conc Curb & Gutter
Type C, Std C-05.10

Widen Exst
Tatum Blvd Overpass

TC2

TC1

Varies

N87°43'01"E

N86°58'01"E

N86°58'02"E

XTA-2

XTC-1

New Conc Half Barrier
Special Detail, Gutter=4.5'

New Retaining Wall

New Conc Curb & Gutter
Type C, Std C-05.10

Exst Tatum Blvd Ramp 'A' Cst ℄

PCC 1+56.49

XTC-2

1685

1690

1695

14'

83'

PCC 2+51.64

PCC 1+87.96

New Retaining Wall

Removal Limits

New Retaining Half Barrier
Special Detail

New Conc Half Barrier
Std C-10.50, Gutter=2.5'

New Conc Half Barrier
Special Detail, Gutter=2.5'

TA3

N89°43'19"E

PC 1692+08.43

Tatum Blvd Ramp 'A' Cst ℄

20

Exst SR 101L Med Cst ℄

Removal Limits

New Retaining Half Barrier
Special Detail

101-12

New Retaining Wall

XTB-2

TA2

PCC 2+08.14

New Conc Curb & Gutter
Type C, Std C-05.10

XTB-1

XTC-3

S0°10'16"W

XTD-2

+75.00
82.00' Rt

+00.00
83.00' Rt

New Conc Half Barrier
Special Detail, Gutter=4.5'

PC 17+07.05

TD1

PC 8+40.35

20'

S86°16'41"E

N85°43'56"E

50:1
Taper

+37.00
16.00' Rt

Exst Tatum Blvd Ramp 'D' Cst ℄

TC3

Exst Tatum Blvd Ramp 'B' Cst ℄

Begin Tatum Blvd Ramp 'D' Cst ℄ POT Sta 16+96.00=
0.00' Rt Exst Tatum Blvd Ramp 'D' Cst ℄ POT Sta 6+96.00

Exst R/W

Exst R/W

Tatum Blvd Ramp 'D' Cst ℄

New Conc Curb & Gutter
Type C, Std C-05.10

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2325 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.337.2700
AECOM
www.aecom.com

SR 101L MAINLINE
PLAN SHEET
Sta 1681+00 Sta 1695+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.119

___ OF ___

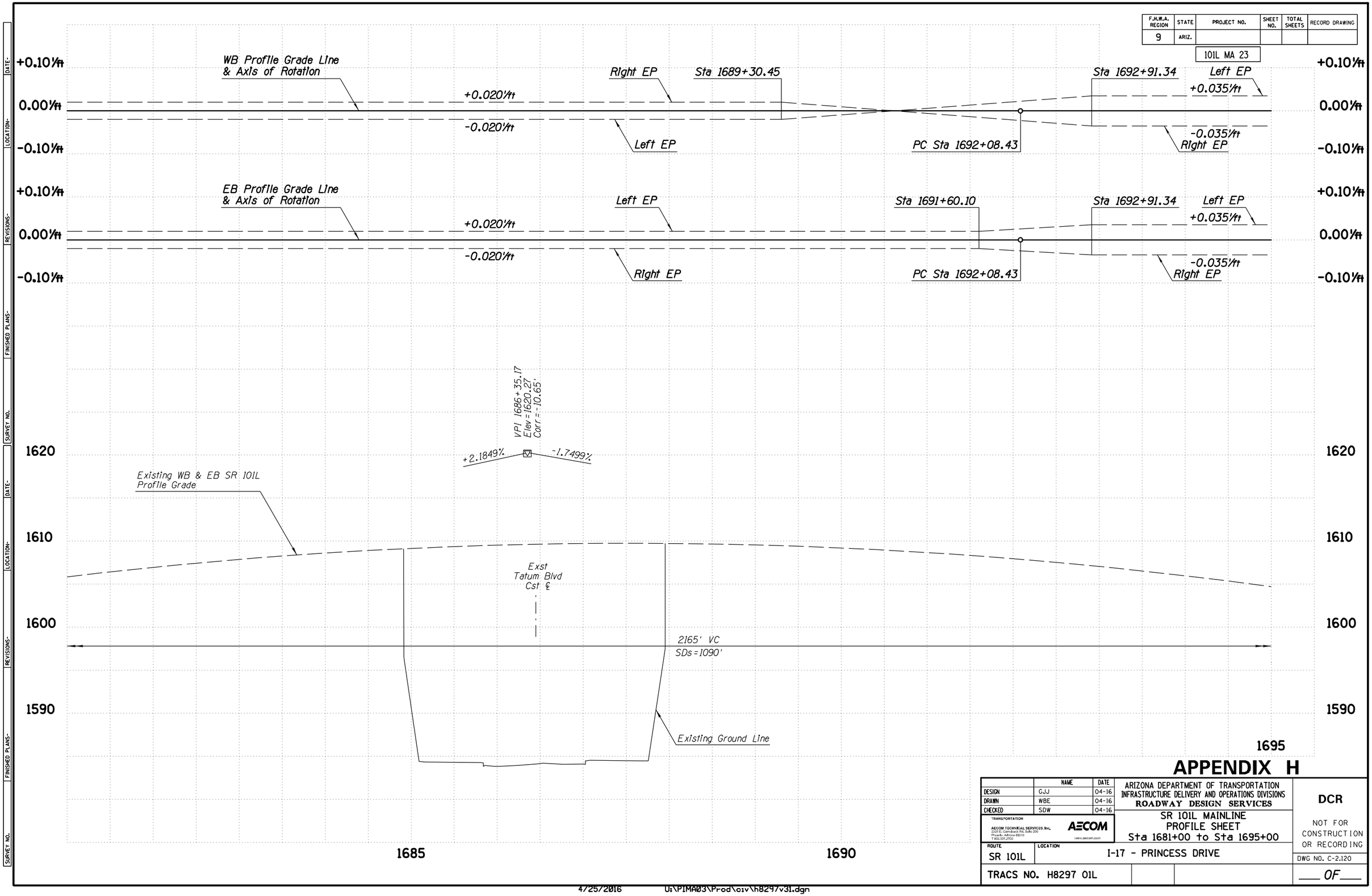
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE- | SURVEY NO.

4/25/2016 U:\PIMA03\Prod\civ\h8297p31.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 200
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T 602.371.2700
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1681+00 to Sta 1695+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.120
TRACS NO. H8297 01L
___ OF ___

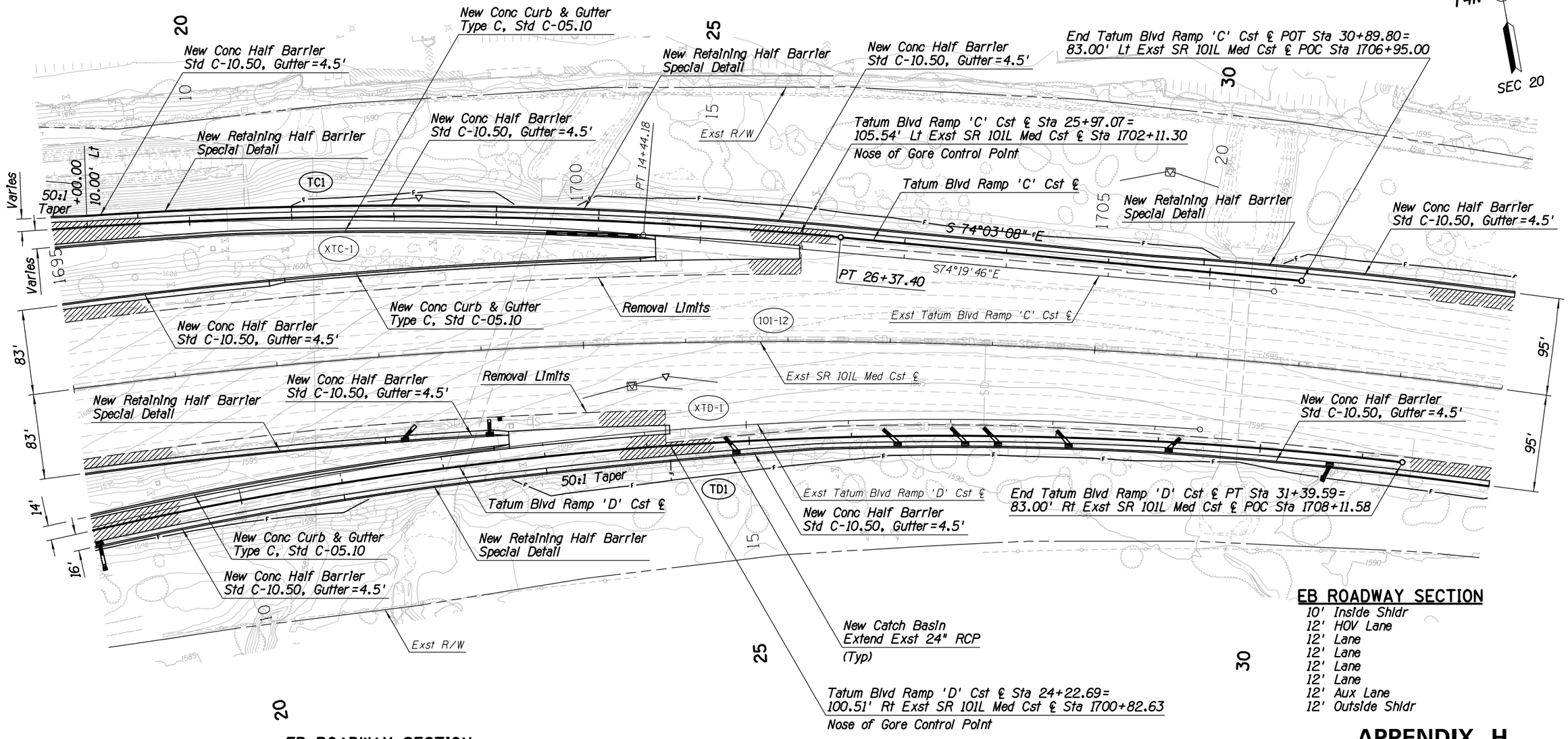
4/25/2016 U:\PIMA03\Prod\civ\h8297v31.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION
12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

WB ROADWAY SECTION
12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr



EB ROADWAY SECTION
10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

EB ROADWAY SECTION
10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2020 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.337.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1695+00 to 1709+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.121

___ OF ___

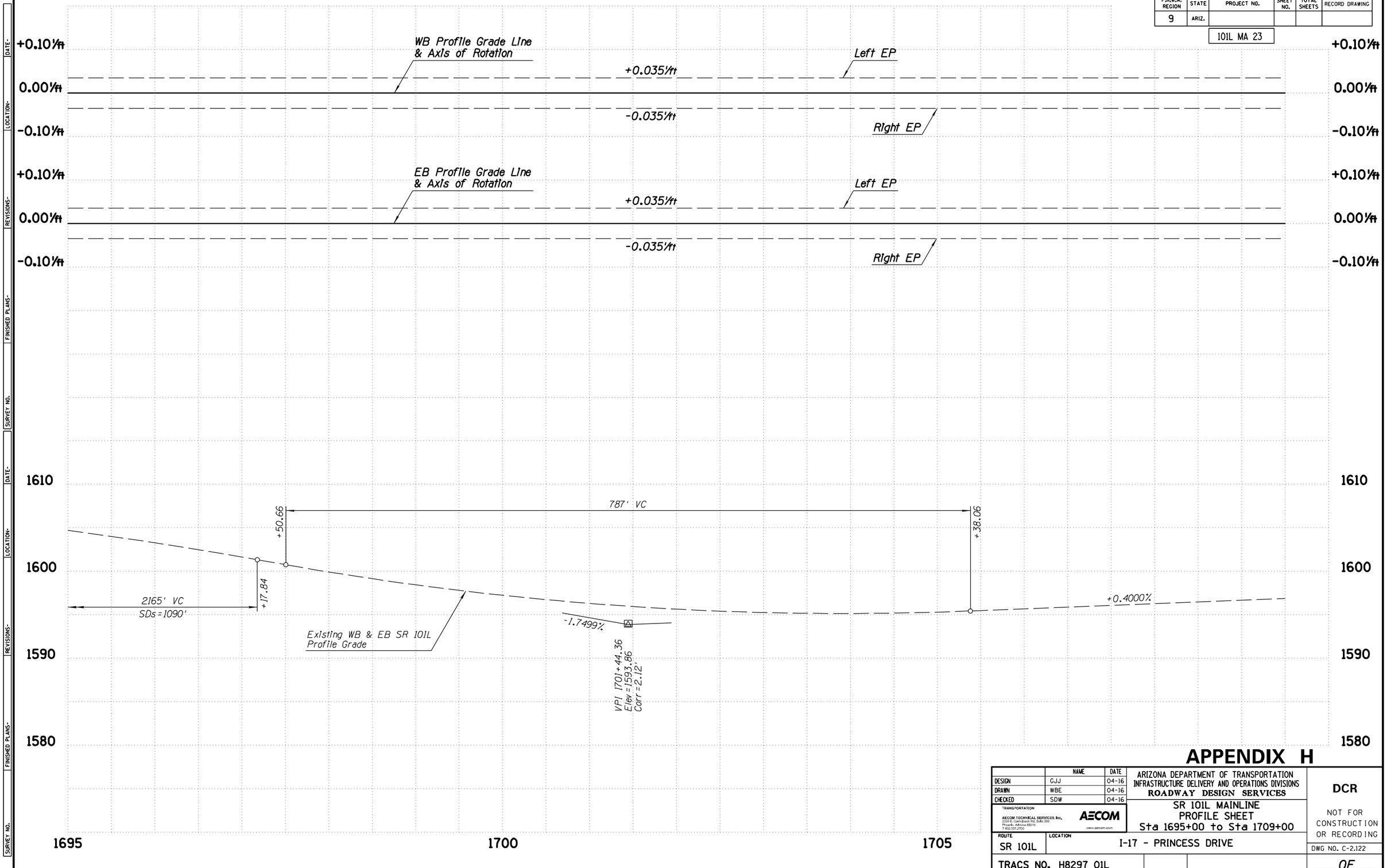
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297p32.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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2555 E. Camelback Rd, Suite 200
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T 602.371.2700
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1695+00 to Sta 1709+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

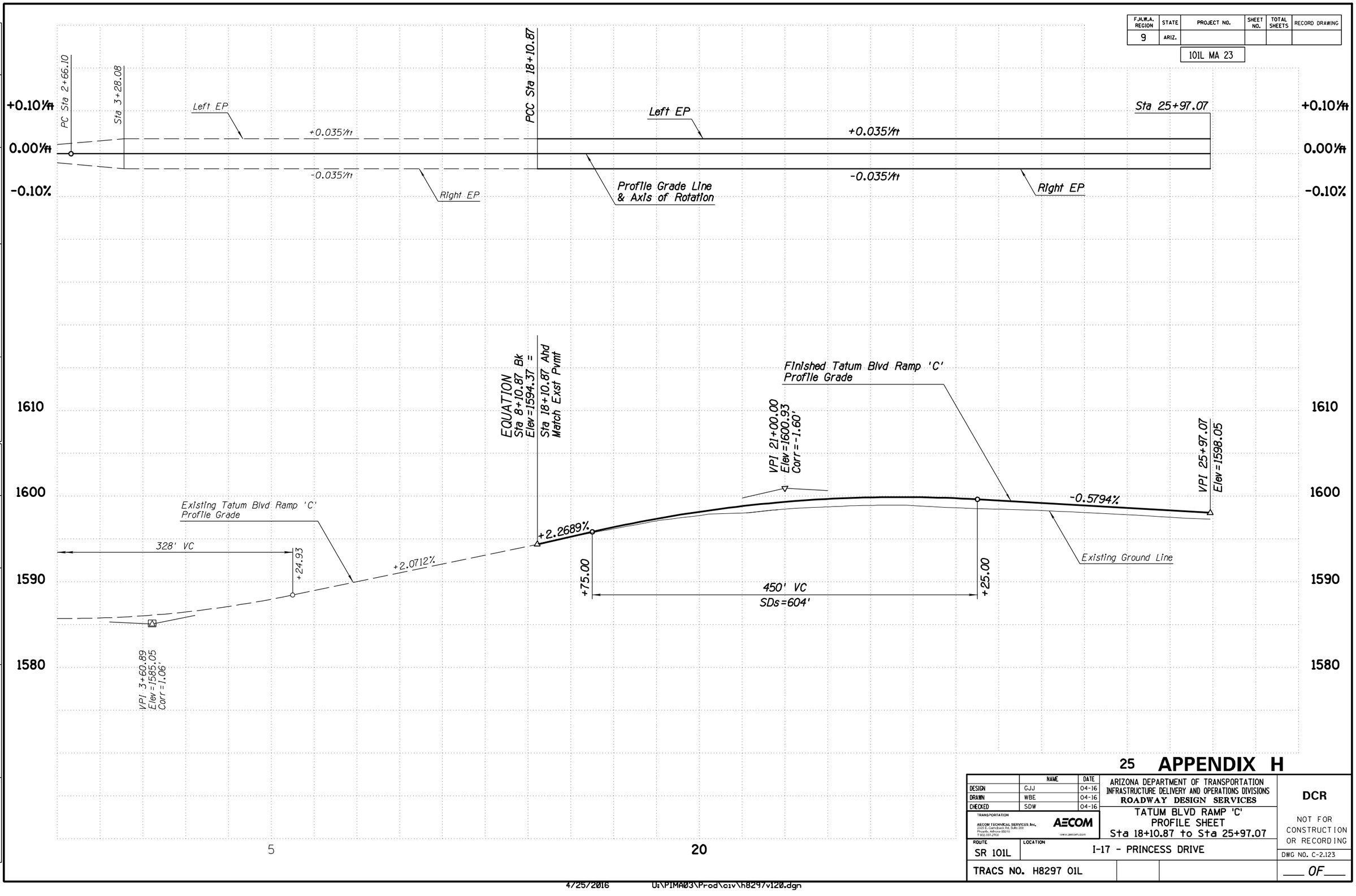
ROUTE	LOCATION	DWG NO. C-2.122
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v32.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



5 20

25 **APPENDIX H**

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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T 602.337.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

TATUM BLVD RAMP 'C'
PROFILE SHEET
Sta 18+10.87 to Sta 25+97.07

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.123

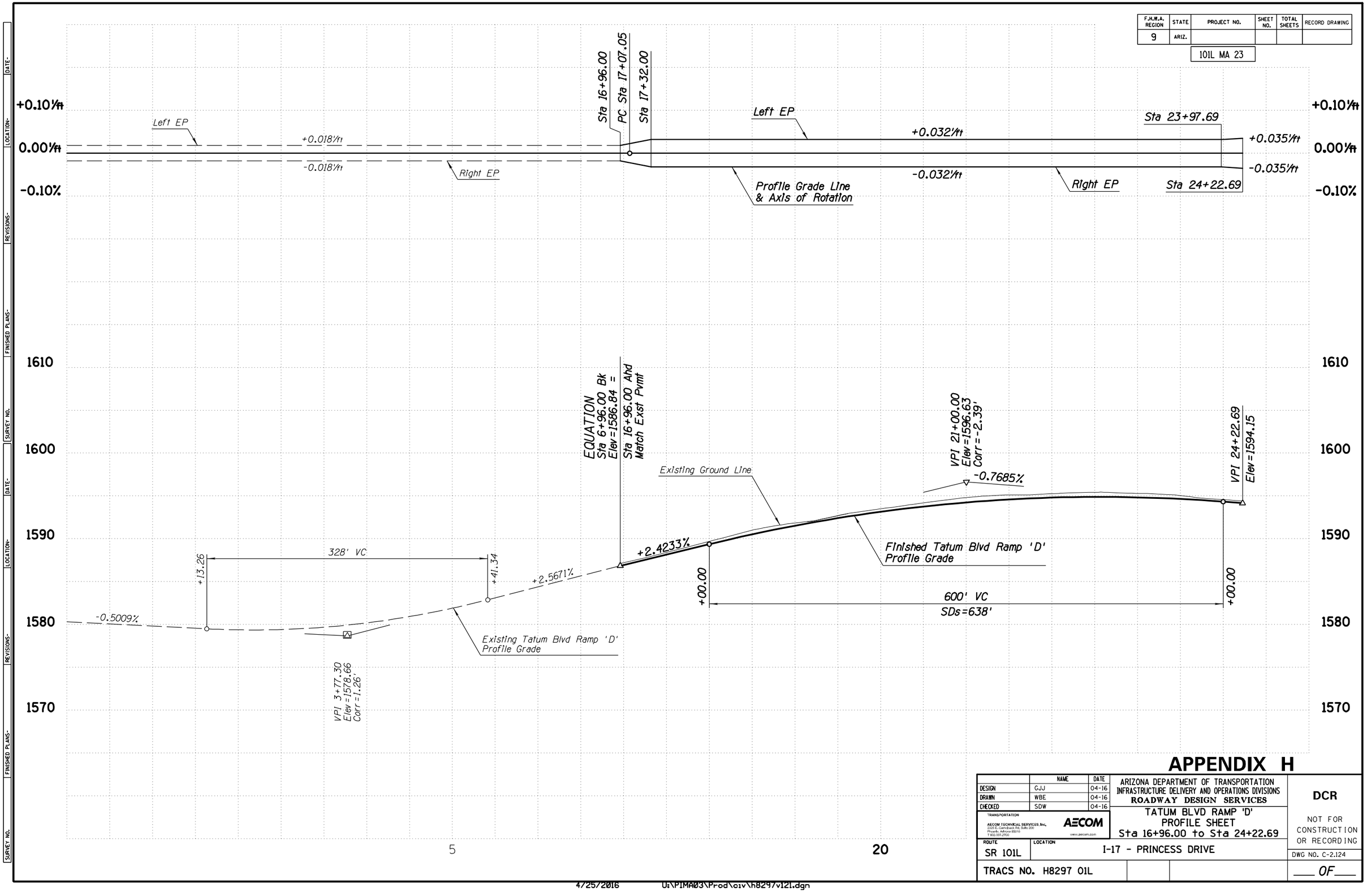
TRACS NO. H8297 01L ___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v120.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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2555 E. Camelback Rd. Suite 300
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T 602.371.2700
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

TATUM BLVD RAMP 'D'
PROFILE SHEET
Sta 16+96.00 to Sta 24+22.69

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.124

TRACS NO. H8297 01L

___ OF ___

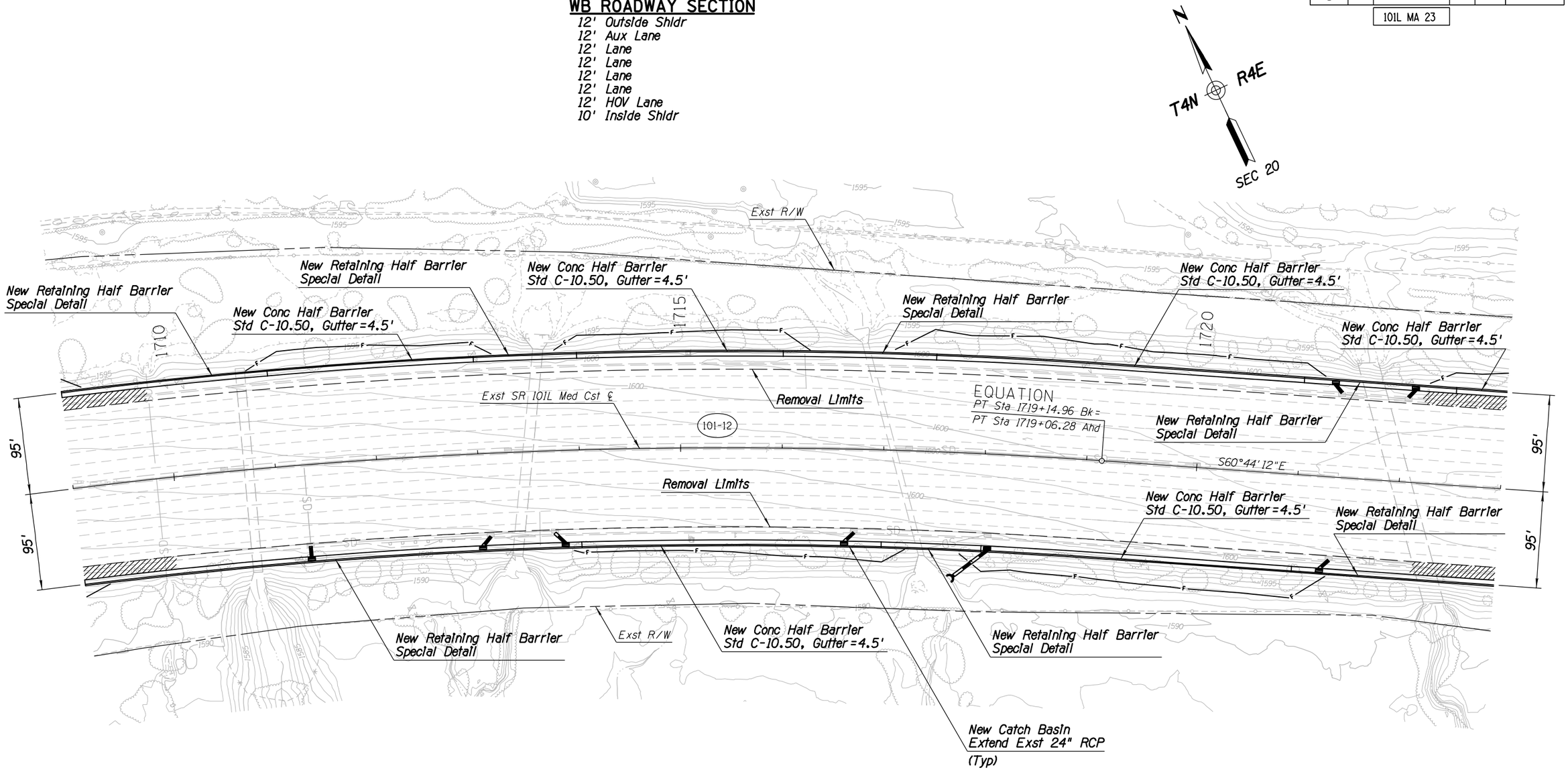
4/25/2016 U:\PIMA03\Prod\civ\h8297v121.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr



EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1709+00 to Sta 1723+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.125

___ OF ___

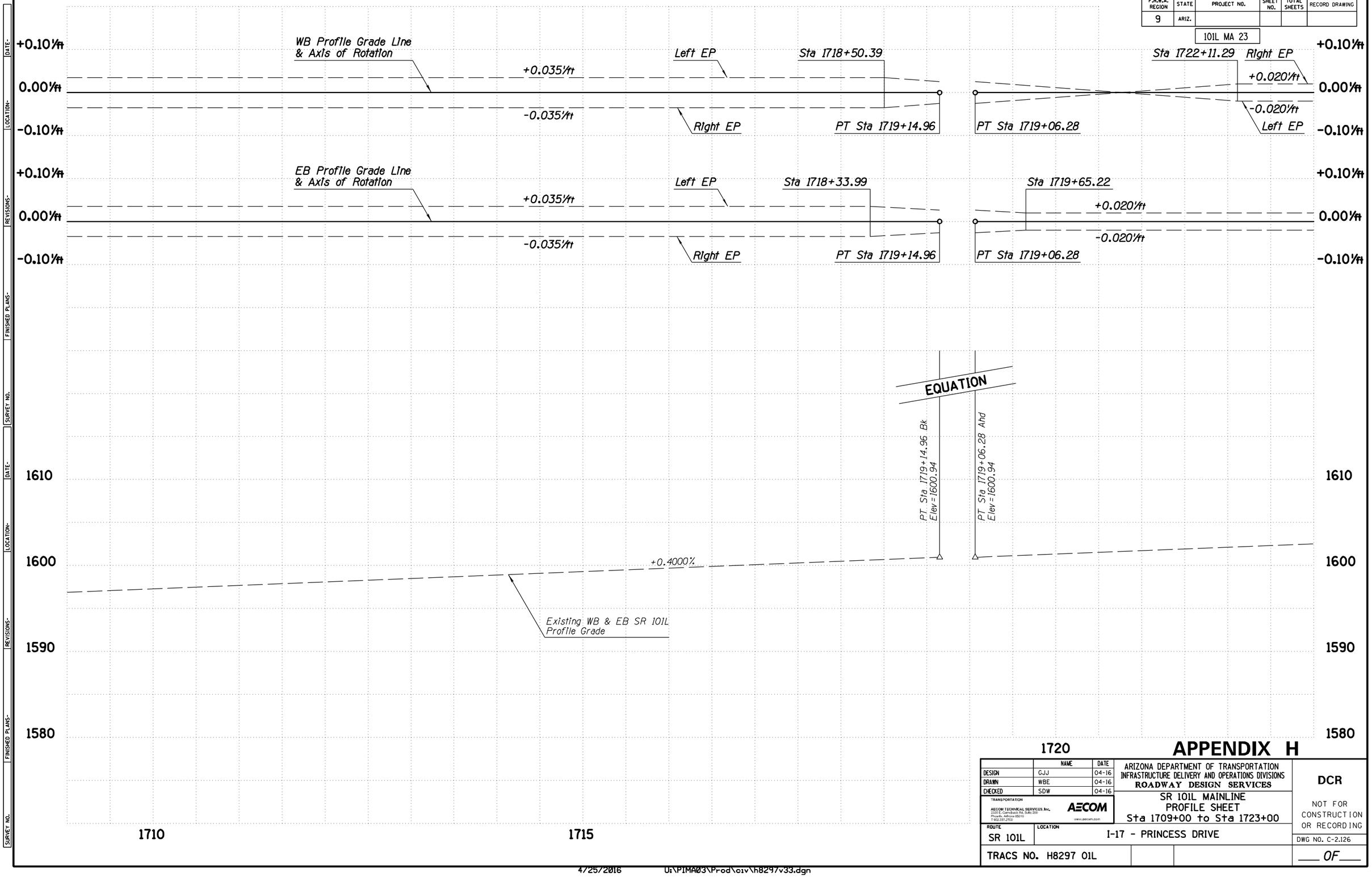
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297p33.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	CJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

TRANSPORTATION
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2200 E. Camelback Rd. Suite 200
Phoenix, Arizona 85016
T 602.337.2700
AECOM
www.aecom.com

SR 101L MAINLINE
PROFILE SHEET
Sta 1709+00 to Sta 1723+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.126

___ OF ___

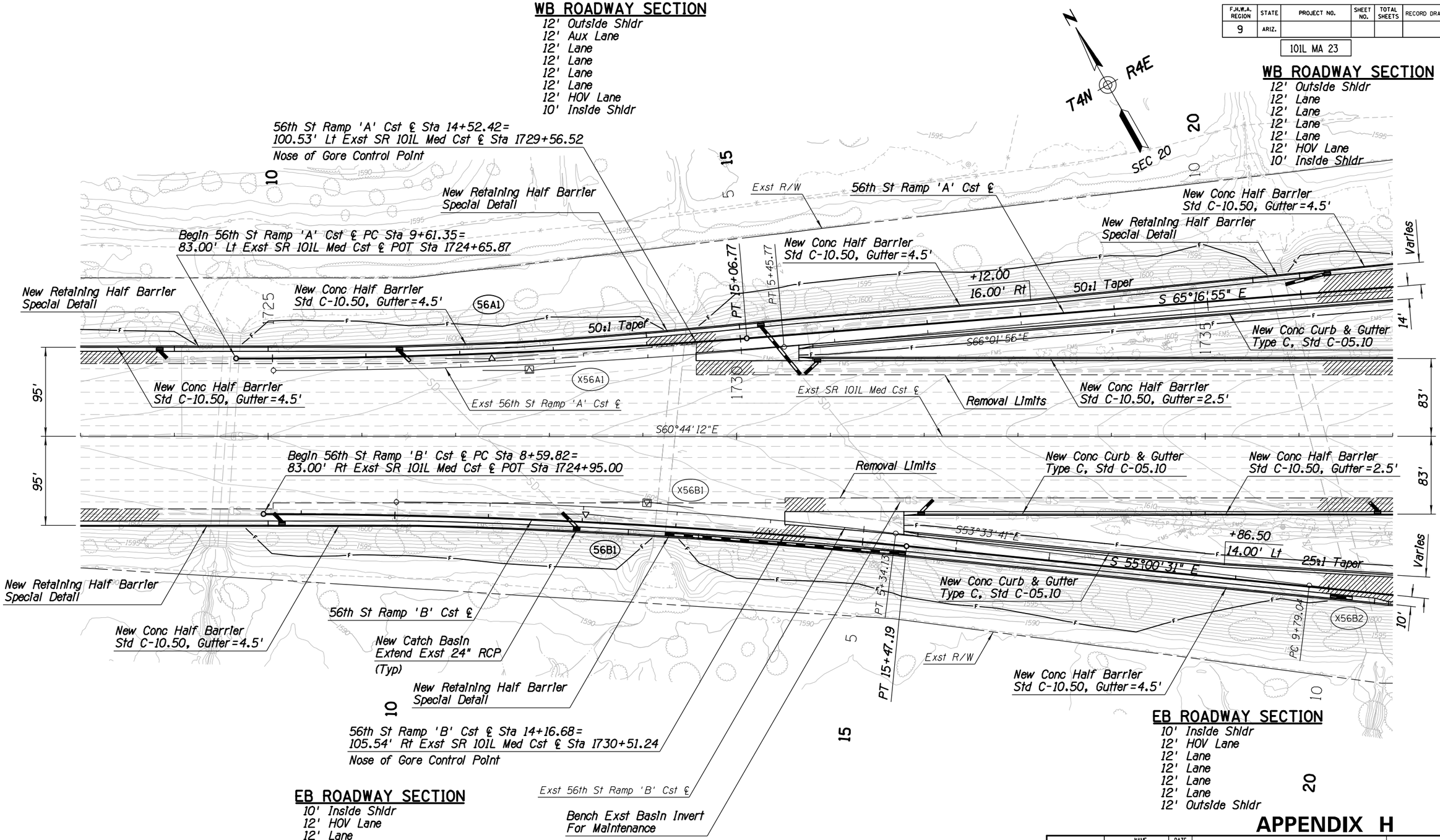
4/25/2016 U:\PIMA03\Prod\civ\h8297v33.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr



EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

WB ROADWAY SECTION

12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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2020 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.337.2700
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1723+00 to Sta 1737+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.127

TRACS NO. H8297 01L

___ OF ___

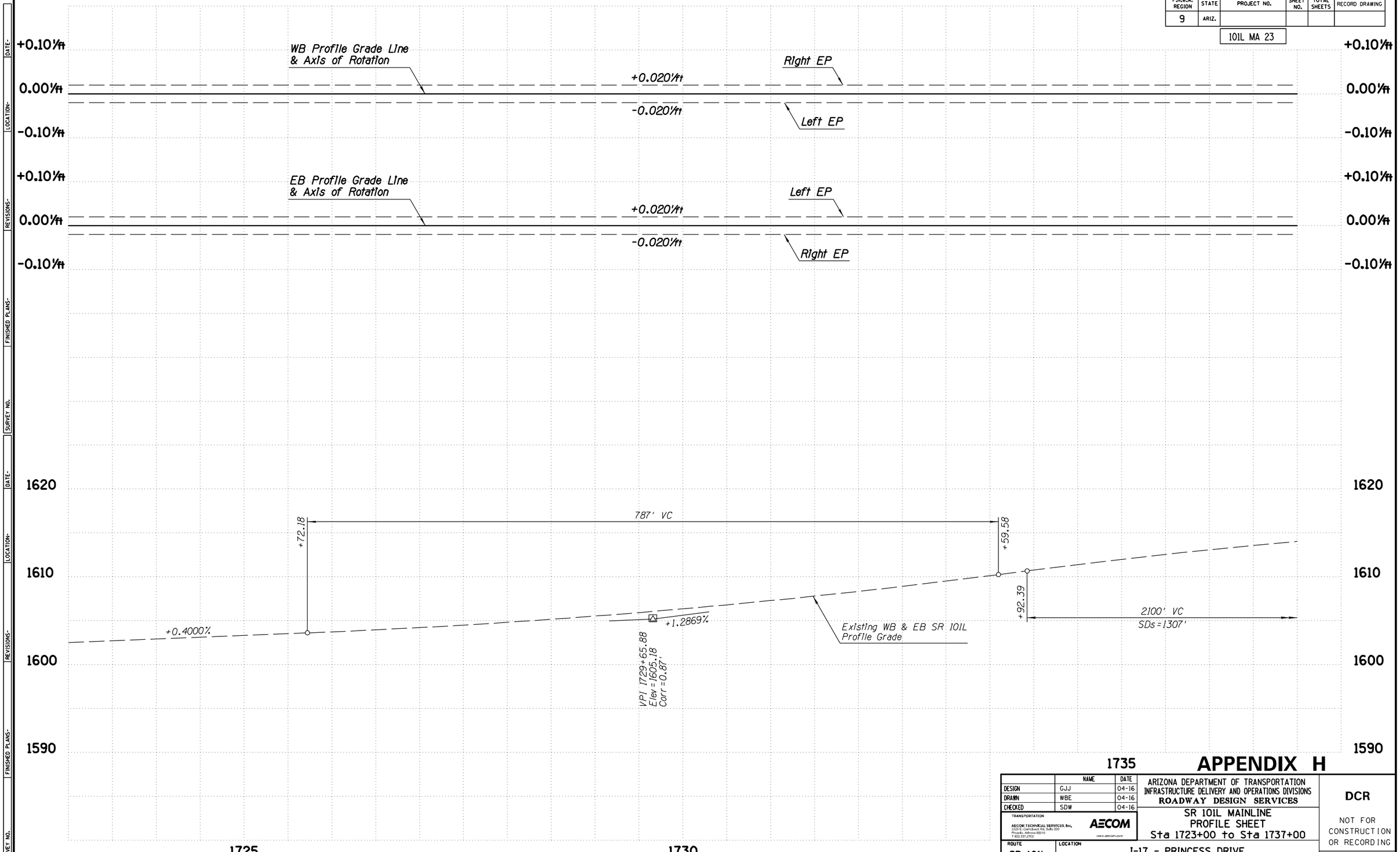
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297p34.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 200
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1723+00 to Sta 1737+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	C-2.128

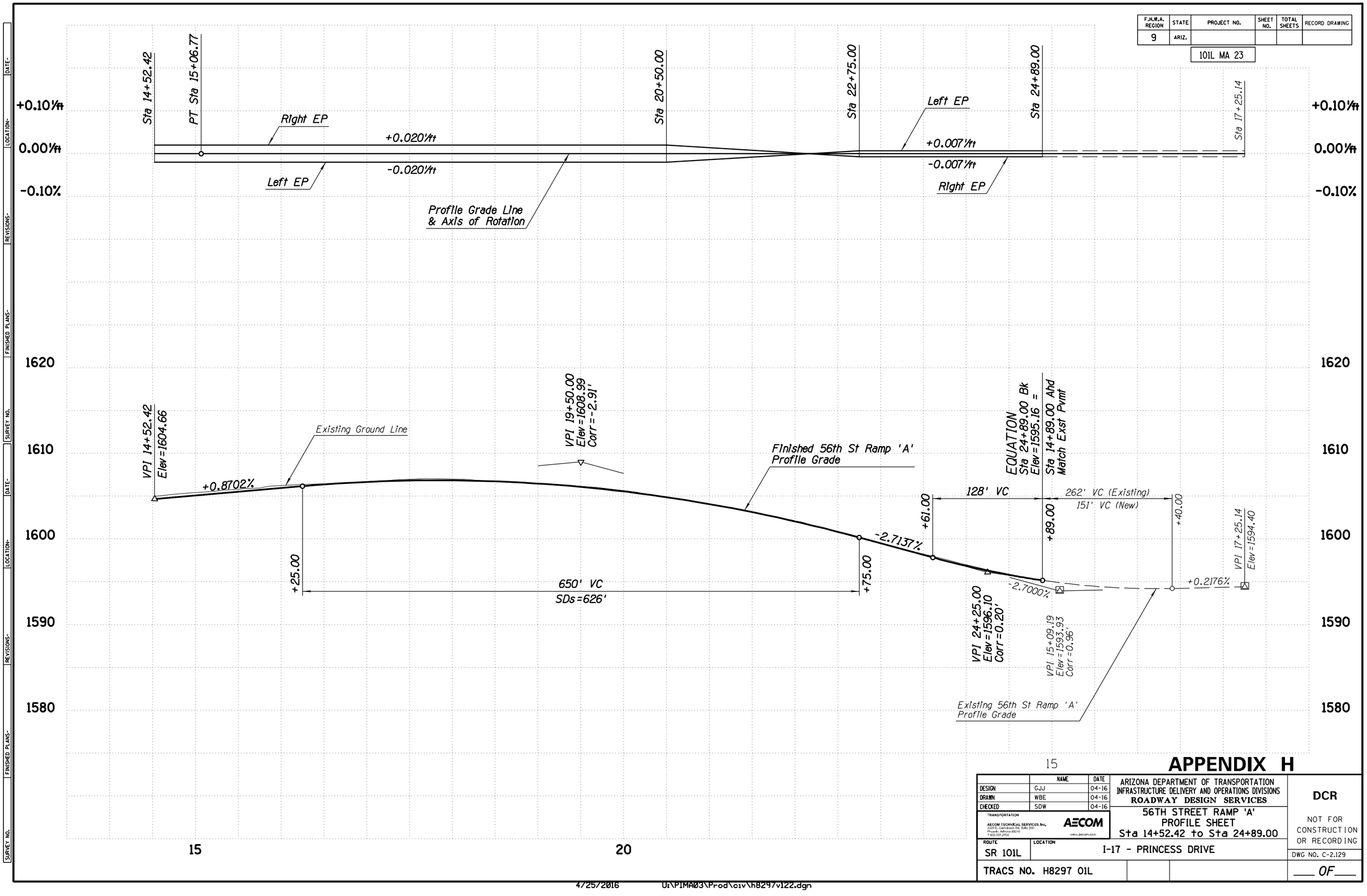
TRACS NO. H8297 01L ___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v34.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



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APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
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TRANSPORTATION
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2555 E. Camelback Rd, Suite 300
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56TH STREET RAMP 'A'
PROFILE SHEET
Sta 14+52.42 to Sta 24+89.00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.129

TRACS NO. H8297 01L

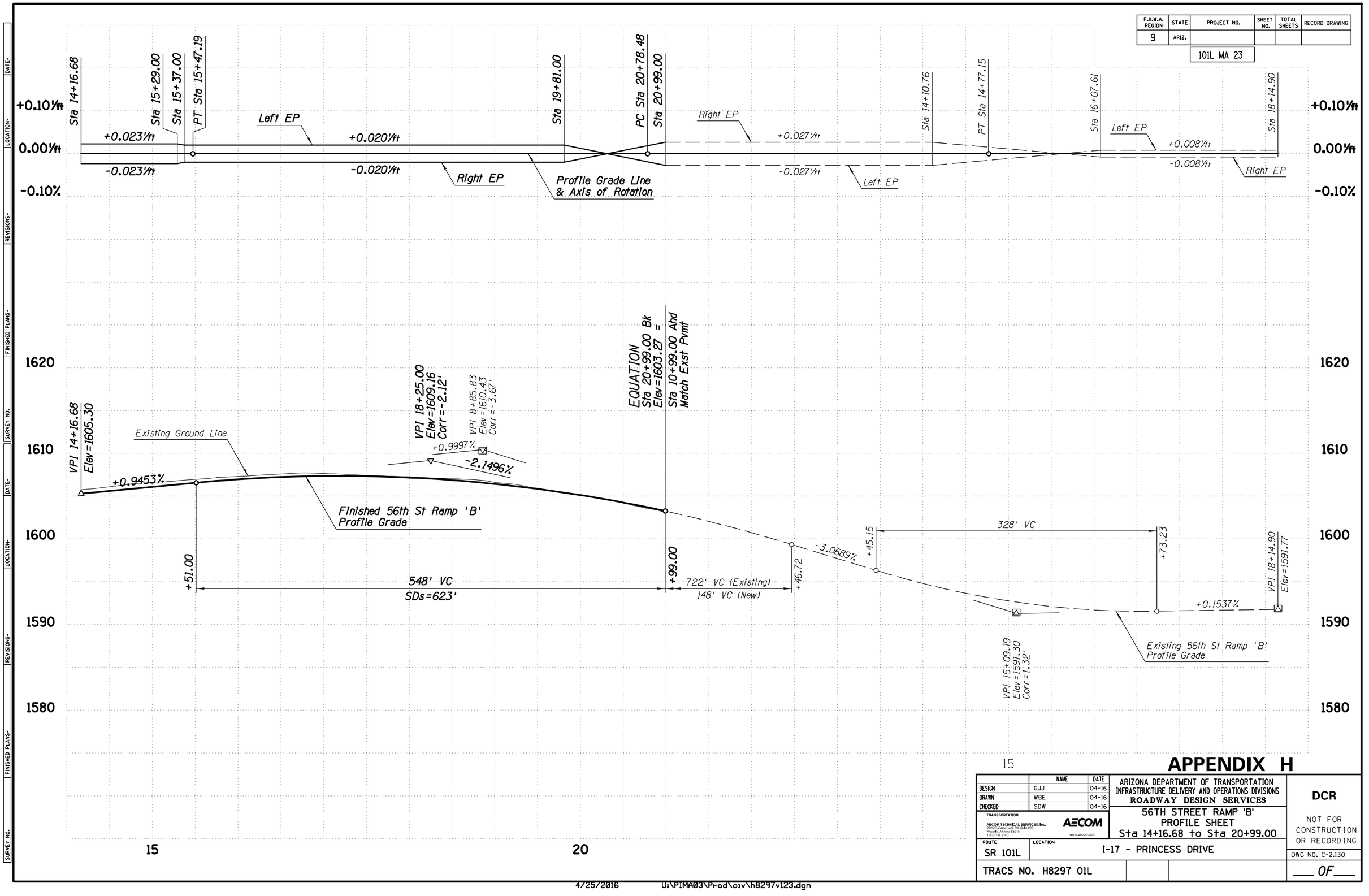
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v122.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-



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APPENDIX H

	NAME	DATE
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DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

56TH STREET RAMP 'B'
PROFILE SHEET
Sta 14+16.68 to Sta 20+99.00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.130

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v123.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

End 56th St Ramp 'A' Cst ℄ PI Sta 24+89.00=
0.00' Rt Exst 56th St Ramp 'A' Cst ℄ POT Sta 14+89.00

Begin 56th St Ramp 'C' Cst ℄ POT Sta 16+16.49=
0.00' Rt Exst 56th St Ramp 'C' Cst ℄ POC Sta 6+16.49

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

Exst R/W

Exst 56th St Ramp 'A' Cst ℄

56th St Ramp 'A' Cst ℄

+90.00
27.56' Lt

27.56'

Varies

50:1 Taper

S 65°16'55" E

S66°01'55"E

14'

New Conc Curb & Gutter
Type C, Std C-05.10

New Catch Basin

1740

PC 1+18.45

Exst 56th St Ramp 'C' Cst ℄

S59°18'13"E

New Retaining Half Barrier
Special Detail

X56C1

1745

56th St Ramp 'C' Cst ℄

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

New Conc Curb & Gutter
Type C, Std C-05.10

25:1 Taper

PT 8+10.78

10'

S 57°27'25" E

S56°44'12"E

14'

New Conc Half Barrier
Std C-10.50, Gutter=2.5'

25:1 Taper

1750

83'

New Conc Half Barrier
Std C-10.50, Gutter=2.5'

Exst SR 101L Med Cst ℄

Removal Limits

S60°44'12"E

83'

Removal Limits

56th St Ramp 'B' Cst ℄

New Conc Half Barrier
Std C-10.50, Gutter=2.5'

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

New Retaining Half Barrier
Special Detail

New Conc Curb & Gutter
Type C, Std C-05.10

Varies

New Conc Curb & Gutter
Type C, Std C-05.10

14'

56B2

X56B2

New Conc Half Barrier
Std C-10.50, Gutter=2.5'

New Retaining Half Barrier
Special Detail

S60°48'38"E

S65°23'51"E

14'

16'

10'

PC 20+78.48

PT 14+77.15

S 64°38'51" E

56th St Ramp 'D' Cst ℄

Exst 56th St Ramp 'D' Cst ℄

Exst 56th St Ramp 'B' Cst ℄

Widen Exst
56th St Overpass
(Typ)

Begin 56th St Ramp 'D' Cst ℄ PI Sta 13+55.00=
0.00' Rt Exst 56th St Ramp 'D' Cst ℄ POT Sta 3+55.00

End 56th St Ramp 'B' Cst ℄ POC Sta 20+99.00=
0.00' Rt Exst 56th St Ramp 'B' Cst ℄ POC Sta 10+99.00

Exst R/W

Exst R/W

Exst 56th St Cst ℄

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1737+00 to Sta 1751+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.131

___ OF ___

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297p35.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

+0.10'/ft
0.00'/ft
-0.10'/ft
+0.10'/ft
0.00'/ft
-0.10'/ft

WB Profile Grade Line & Axis of Rotation
+0.020'/ft
-0.020'/ft
Right EP
Left EP

EB Profile Grade Line & Axis of Rotation
+0.020'/ft
-0.020'/ft
Left EP
Right EP

1630
1620
1610
1600

Exst 56th St Cst ℄

VPI 1744+42.26
Elev=1624.18
Corr=-6.96'

+1.2869%
-1.3653%

Existing WB & EB SR 101L Profile Grade

Existing Ground Line

2100' VC
SDs=1307'

1740
1745
1750

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1737+00 to Sta 1751+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.132
TRACS NO. H8297 01L
___ OF ___

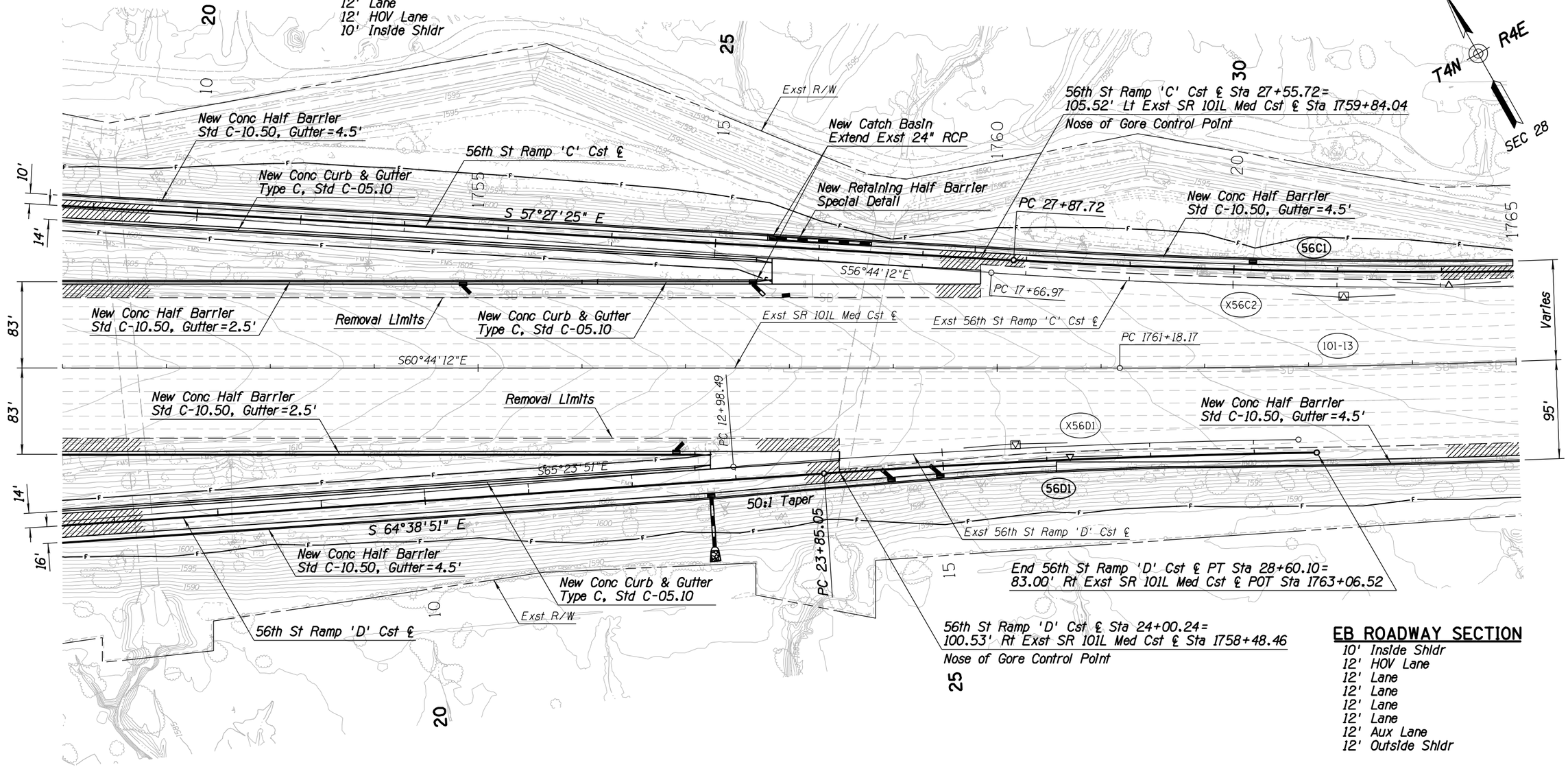
4/25/2016 U:\PIMA03\Prod\civ\h8297v35.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr



EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1751+00 to Sta 1765+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.133

TRACS NO. H8297 01L

___ OF ___

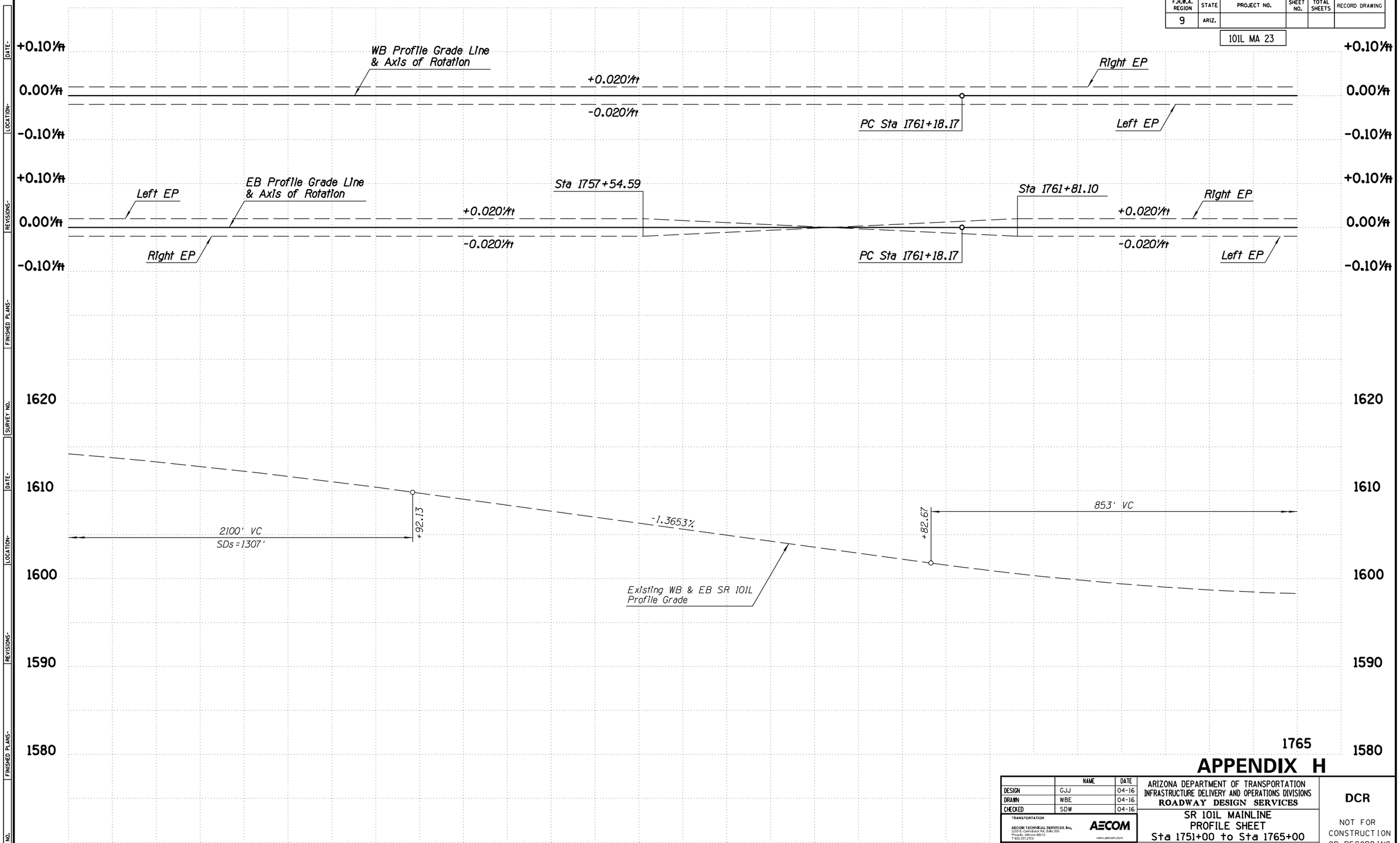
SURVEY NO. | DATE- | LOCATION- | REVISIONS- | FINISHED PLANS-

4/25/2016 U:\PIMA03\Prod\civ\h8297p36.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



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ARIZONA DEPARTMENT OF TRANSPORTATION
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ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1751+00 to Sta 1765+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	C-2.134

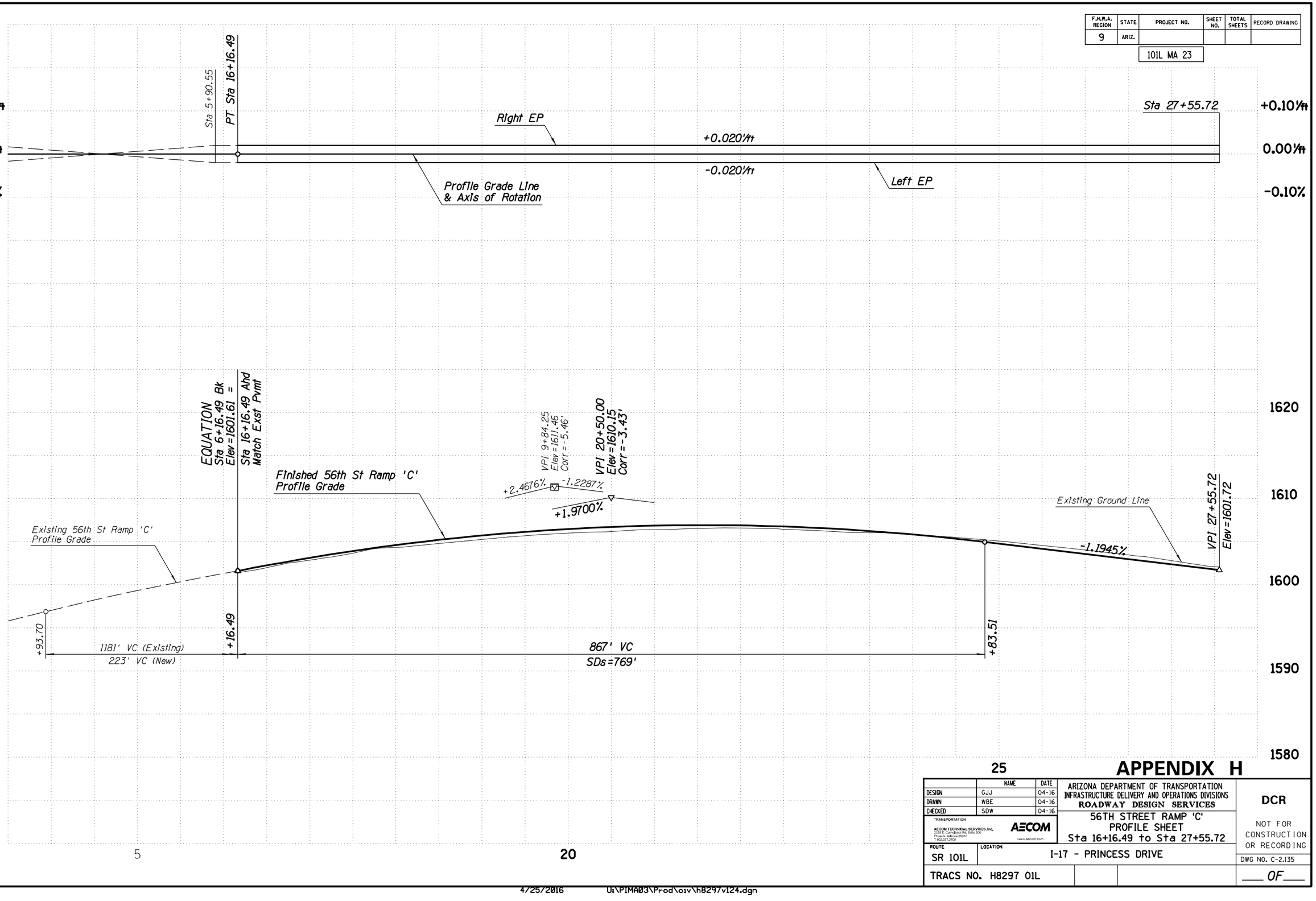
TRACS NO. H8297 01L ___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v36.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



25

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

56TH STREET RAMP 'C'
PROFILE SHEET
Sta 16+16.49 to Sta 27+55.72

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.135

TRACS NO. H8297 01L

___ OF ___

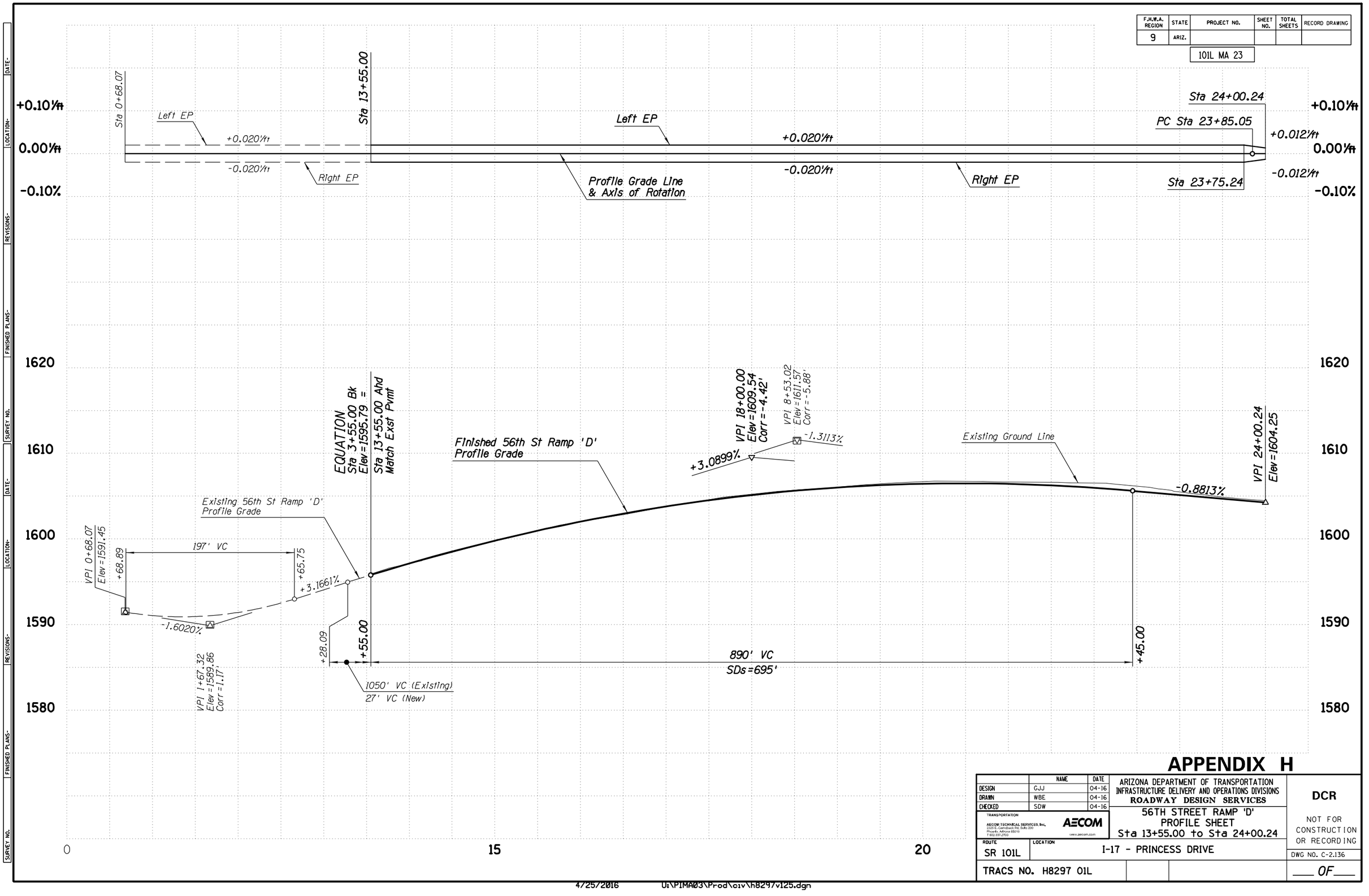
5 20

4/25/2016 U:\PIMA03\Prod\civ\h8297v124.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

56TH STREET RAMP 'D'
PROFILE SHEET
Sta 13+55.00 to Sta 24+00.24

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.136

TRACS NO. H8297 01L

___ OF ___

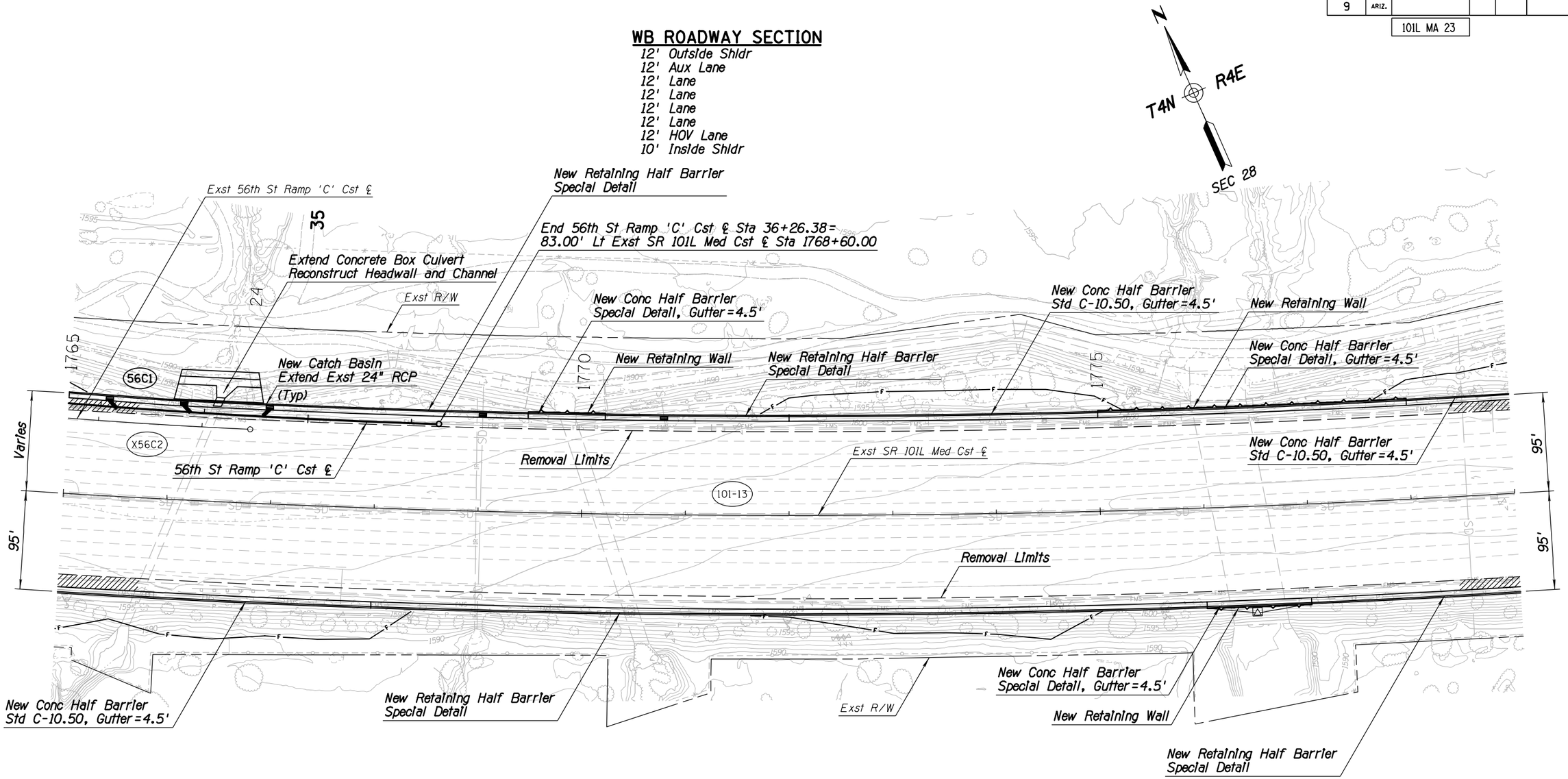
4/25/2016 U:\PIMA03\Prod\civ\h8297v125.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr



EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1765+00 to Sta 1779+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.137

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297p37.dgn

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

+0.10%ft
0.00%ft
-0.10%ft

WB Profile Grade Line & Axis of Rotation

+0.020%ft

-0.020%ft

Right EP

Left EP

EB Profile Grade Line & Axis of Rotation

+0.020%ft

-0.020%ft

Right EP

Left EP

+0.10%ft
0.00%ft
-0.10%ft

1610
1600
1590
1580

Existing WB & EB SR 101L Profile Grade

853' VC

+35.69

+0.7999%

VPI 1765+09.18
Elev=1595.96
Corr=2.31'

1312' VC
SDs=1555'

+0.7999%

-0.4004%

VPI 1775+91.86
Elev=1604.62
Corr=-1.97'

1765 1770 1775

APPENDIX H

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ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1765+00 to Sta 1779+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.138

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v37.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION
12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

WB ROADWAY SECTION
12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

T4N R4E
SEC 28

64th St Ramp 'A' Cst ℄ Sta 26+50.62 =
100.51' Lt Exst SR 101L Med Cst ℄ Sta 1787+53.76
Nose of Gore Control Point

New Catch Basin
Extend Exst 24" RCP
(Typ)

New Retaining Half Barrier
Special Detail

New Retaining Wall

New Conc Half Barrier
Special Detail, Gutter=4.5'

Begin 64th St Ramp 'A' Cst ℄ PC Sta 19+09.95 =
83.00' Lt Exst SR 101L Med Cst ℄ POC Sta 1780+07.58

Exst 64th St Ramp 'A' Cst ℄

64th St Ramp 'A' Cst ℄

Exst R/W

New Conc Curb & Gutter
Type C, Std C-05.10

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

PT 21+71.61

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

New Retaining Half Barrier
Special Detail

64A1

50:1 Taper

16'
14'
83'

95'

Extend Concrete Box Culvert
Reconstruct Headwall and Channel

X64A1

Exst SR 101L Med Cst ℄

101-13

Removal Limits

New Conc Curb & Gutter
Type C, Std C-05.10

S76°02'03"E
PT 1791+77.66

95'

Removal Limits

X64B1

Exst 64th St Ramp 'B' Cst ℄

PT 11+25.03

S70°55'23"E

New Conc Curb & Gutter
Type C, Std C-05.10

83'
14'
10'

S71°35'41"E

New Retaining Half Barrier
Special Detail

Exst R/W

Begin 64th St Ramp 'B' Cst ℄ POT Sta 17+63.26 =
83.00' Rt Exst SR 101L Med Cst ℄ POC Sta 1782+89.80

New Retaining Wall

New Conc Half Barrier
Special Detail, Gutter=4.5'

New Retaining Half Barrier
Special Detail

New Retaining Wall

New Conc Half Barrier
Special Detail, Gutter=4.5'

New Retaining Wall

New Conc Half Barrier
Special Detail, Gutter=4.5'

64th St Ramp 'B' Cst ℄

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

New Conc Curb & Gutter
Type C, Std C-05.10

64th St Ramp 'B' Cst ℄ Sta 24+84.67 =
105.52' Rt Exst SR 101L Med Cst ℄ Sta 1790+05.08
Nose of Gore Control Point

EB ROADWAY SECTION
10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

EB ROADWAY SECTION
10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1779+00 to Sta 1793+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.139
TRACS NO. H8297 01L
___ OF ___

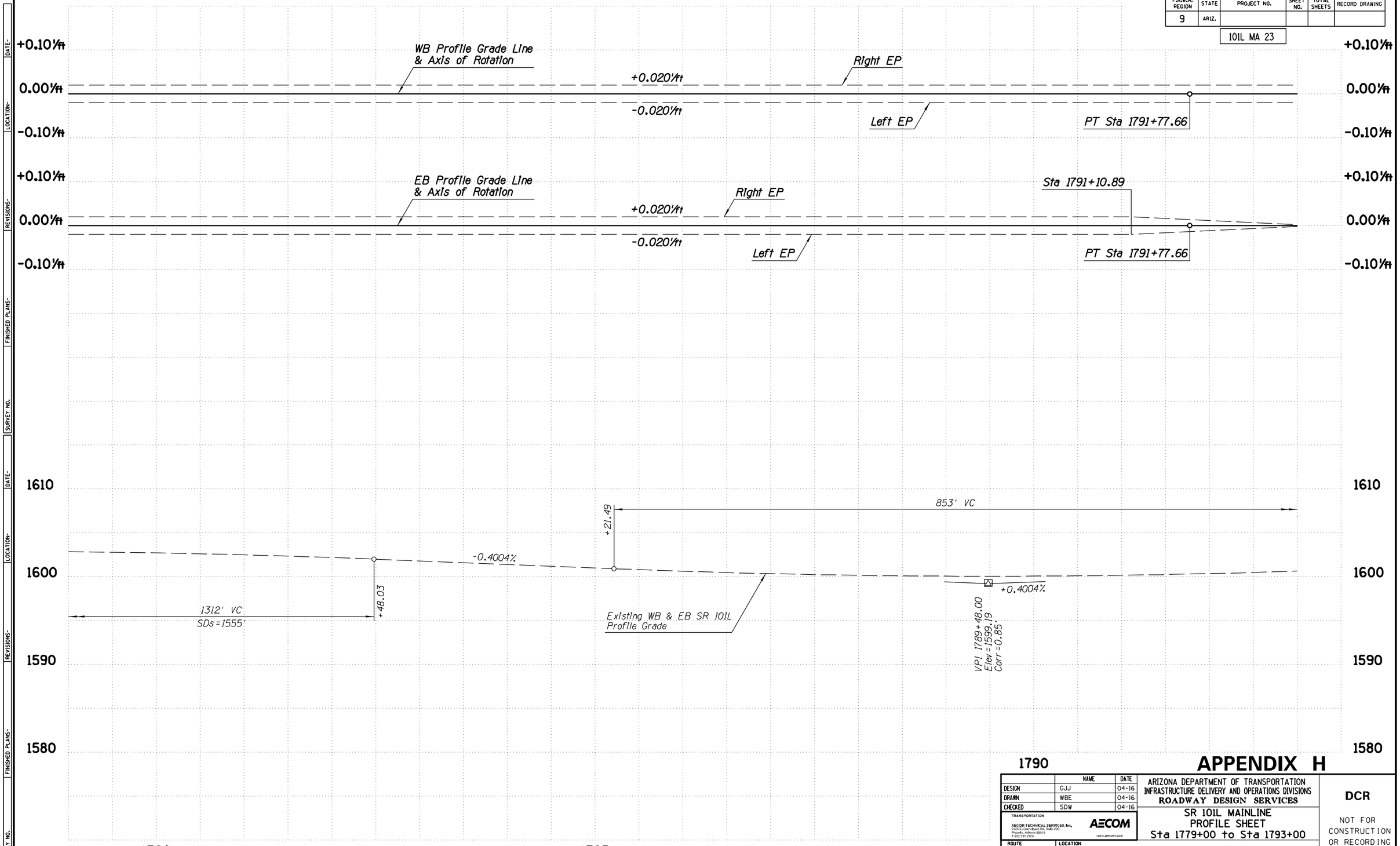
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297p38.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.317.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1779+00 to Sta 1793+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO. C-2.140
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v38.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

T4N R4E

SEC 27

N

WB ROADWAY SECTION

12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

New Conc Curb & Gutter Type C, Std C-05.10

New Conc Half Barrier Std C-10.50, Gutter=4.5'

64th St Ramp 'A' Cst ℄

End 64th St Ramp 'A' Cst ℄ PT Sta 33+19.98= 0.00' Rt Exst 64th St Ramp 'A' Cst ℄ POT Sta 23+19.98

Exst R/W

Exst 64th St Ramp 'A' Cst ℄

S82°26'41"E

S0°02'35"W

PI 17+66.56

Exst 64th St Ramp 'C' Cst ℄

S71°41'47"E

PC 14+71.43

New Conc Half Barrier Std C-10.50, Gutter=4.5'

64th St Ramp 'C' Cst ℄

X64C1

Varies

New Conc Half Barrier Std C-10.50, Gutter=2.5'

Begin 64th St Ramp 'C' Cst ℄ PC Sta 26+12.00= 0.00' Rt Exst 64th St Ramp 'C' Cst ℄ POC Sta 16+12.00

Removal Limits

New Catch Basin Extend Exst 24" RCP (Typ)

New Conc Curb & Gutter Type C, Std C-05.10

Exst SR 101L Med Cst ℄

S76°02'03"E

New Conc Half Barrier Std C-10.50, Gutter=2.5'

New Catch Basin (Typ)

Removal Limits

New Conc Curb & Gutter Type C, Std C-05.10

25:1 Taper

S71°35'41"E

25:1 Taper

64th St Ramp 'B' Cst ℄

S70°55'23"E

Exst 64th St Ramp 'B' Cst ℄

Exst 64th St Ramp 'D' Cst ℄

S82°13'32"E

S 81°28'32" E

64th St Ramp 'D' Cst ℄

New Conc Curb & Gutter Type C, Std C-05.10

New Conc Half Barrier Std C-10.50, Gutter=4.5'

End 64th St Ramp 'B' Cst ℄ PI Sta 30+88.26= 0.00' Rt Exst 64th St Ramp 'B' Cst ℄ POT Sta 20+88.26

Exst 64th St Cst ℄

Exst R/W

New Conc Curb & Gutter Type C, Std C-05.10

Exst R/W

Begin 64th St Ramp 'D' Cst ℄ PI Sta 21+32.00= 0.00' Rt Exst 64th St Ramp 'D' Cst ℄ POT Sta 11+32.00

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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2020 E. Camelback Rd, Suite 200
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1793+00 to Sta 1807+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.141

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

___ OF ___

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297p39.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.

+0.10'/ft
0.00'/ft
-0.10'/ft
+0.10'/ft
0.00'/ft
-0.10'/ft

WB Profile Grade Line & Axis of Rotation

+0.020'/ft

-0.020'/ft

Right EP

Left EP

Sta 1795+37.40

EB Profile Grade Line & Axis of Rotation

+0.020'/ft

-0.020'/ft

Left EP

Right EP

Exst 64th St Cst ℄

Existing WB & EB SR 101L Profile Grade

853' VC

+74.51

+0.400%

+52.49

1312' VC
SDs = 1927'

1610
1600
1590
1580

1795
1800
1805

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1793+00 to Sta 1807+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.142

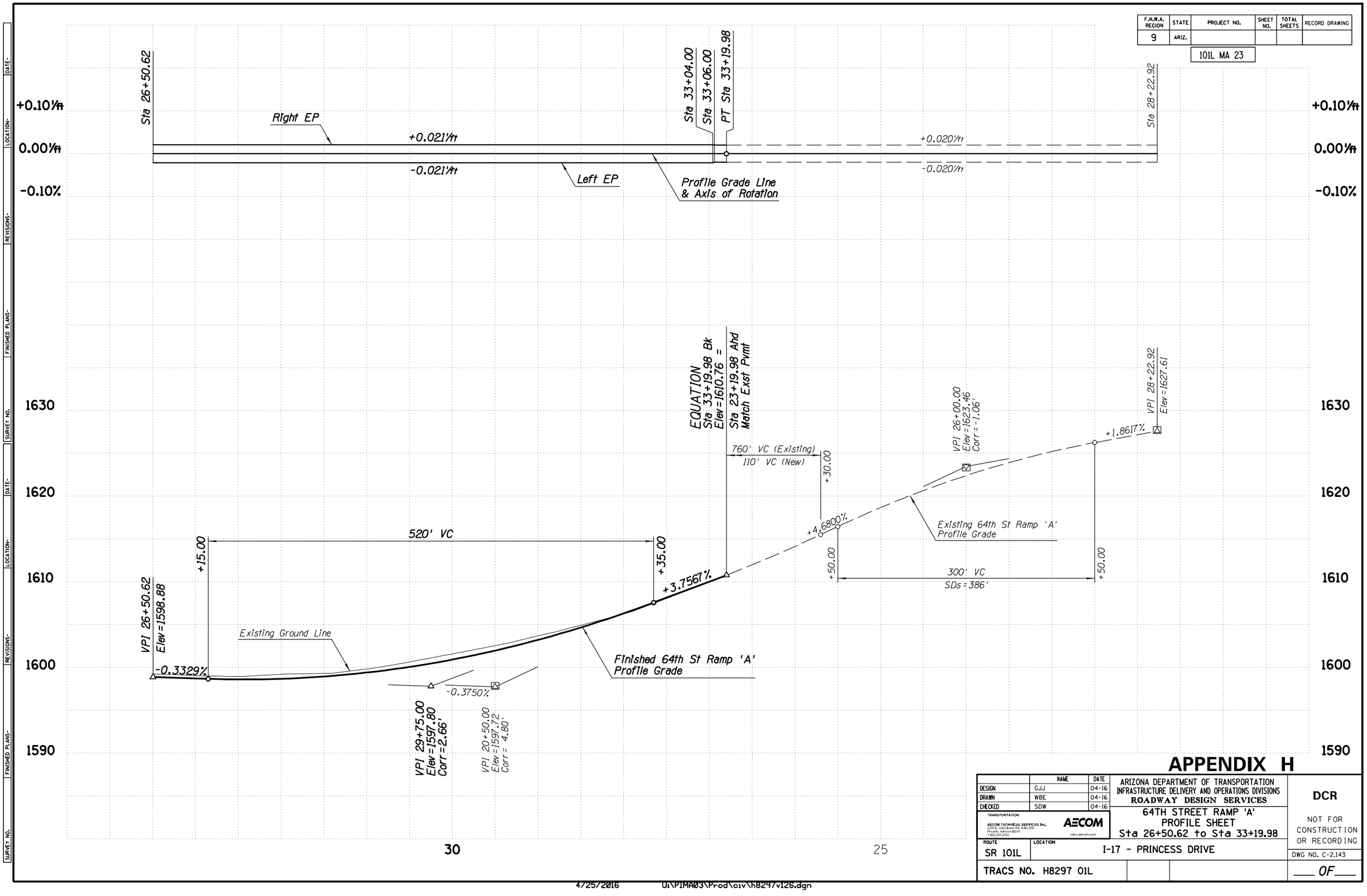
TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v39.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

64TH STREET RAMP 'A'
PROFILE SHEET
Sta 26+50.62 to Sta 33+19.98

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.143

TRACS NO. H8297 01L

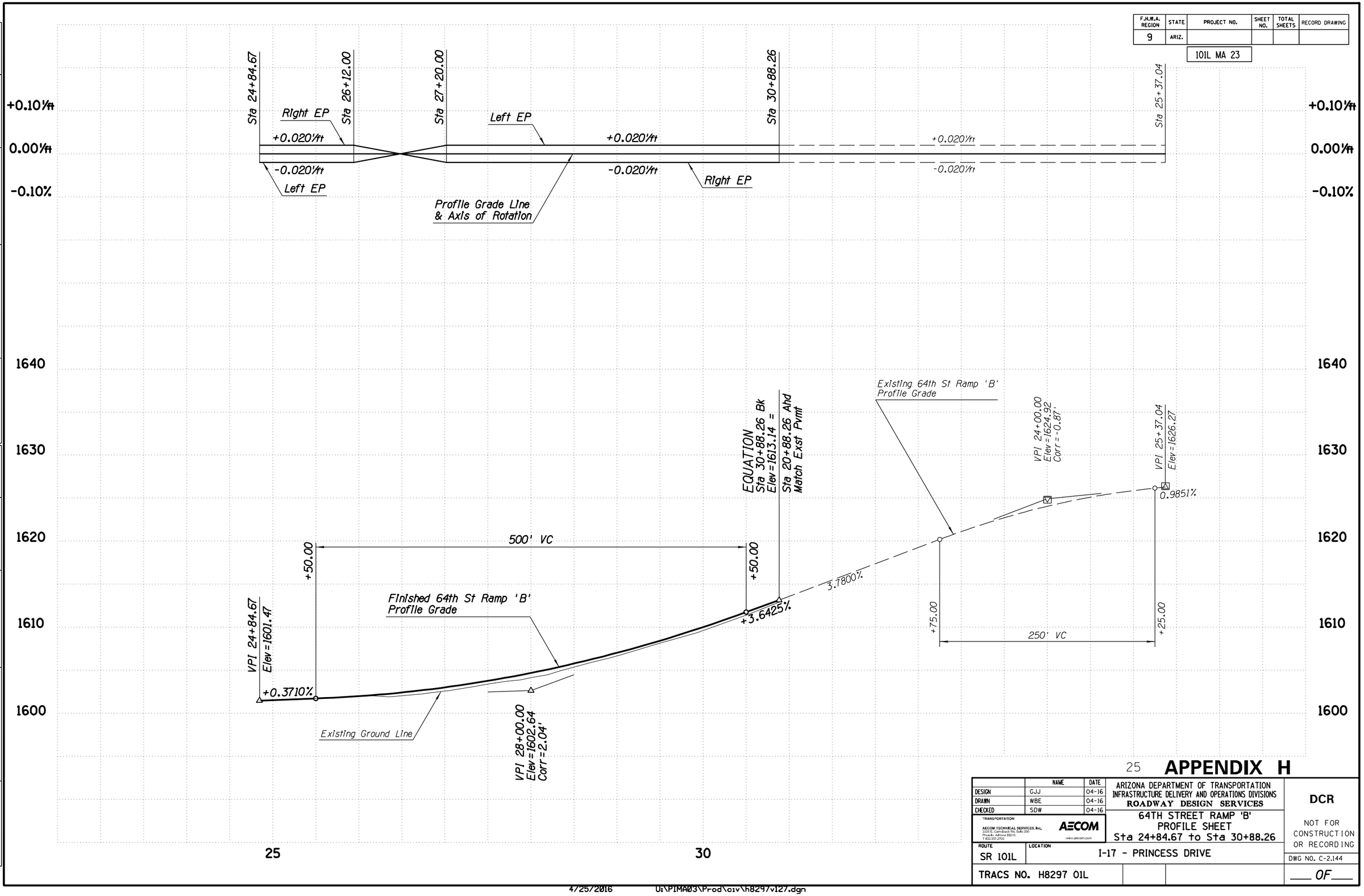
___ OF ___

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.

4/25/2016 U:\PIMA03\Prod\civ\h8297v126.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



25 **APPENDIX H**

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

64TH STREET RAMP 'B'
PROFILE SHEET
Sta 24+84.67 to Sta 30+88.26

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.144

___ OF ___

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297v127.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION
12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr



WB ROADWAY SECTION
12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

64th St Ramp 'C' Cst ℄ Sta 31+93.02=
105.54' Lt Exst SR 101L Med Cst ℄ Sta 1812+36.74
Nose of Gore Control Point

64th St Ramp 'C' Cst ℄

End 64th St Ramp 'C' Cst ℄
PT Sta 37+49.88=
83.00' Lt Exst SR 101L Med Cst ℄
POT Sta 1817+92.99

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

New Conc Curb & Gutter
Type C, Std C-05.10

New Retaining Half Barrier
Special Detail

Exst R/W

Varies
Varies
25:1 Taper
PT 17+92.41
+50.00
10.00' Lt
S 70°38'31" E
PC 20+46.52
PC 31+02.81
X64C1
+00.00
14.00' Rt
S69°17'20"E
64C1
Exst 64th St Ramp 'C' Cst ℄
New Catch Basin
Extend Exst 24" RCP
(Typ)
X64C2
Removal Limits
New Conc Half Barrier
Std C-10.50, Gutter=4.5'
83'
95'
S76°02'03"E
New Conc Curb & Gutter
Type C, Std C-05.10
Exst SR 101L Med Cst ℄
Removal Limits
X64D1
New Conc Half Barrier
Std C-10.50, Gutter=4.5'
14'
16'
S82°13'32"E
S 81°28'32" E
50:1 Taper
64D1
Exst 64th St Ramp 'D' Cst ℄
End 64th St Ramp 'D' Cst ℄
PT Sta 36+60.10=
83.00' Rt Exst SR 101L Med Cst ℄
POT Sta 1818+06.23
New Conc Half Barrier
Std C-10.50, Gutter=4.5'
PC 18+87.13
Exst R/W
64th St Ramp 'D' Cst ℄ Sta 31+69.03=
100.53' Rt Exst SR 101L Med Cst ℄ Sta 1813+15.58
Nose of Gore Control Point
New Conc Curb & Gutter
Type C, Std C-05.10
64th St Ramp 'D' Cst ℄
PC 30+07.14
New Conc Half Barrier
Special Detail, Gutter=4.5'
New Retaining Wall
New Conc Half Barrier
Std C-10.50, Gutter=4.5'
30
20
25
35
1810
1815
1820

EB ROADWAY SECTION
10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

EB ROADWAY SECTION
10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1807+00 to Sta 1821+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.145
TRACS NO. H8297 01L
___ OF ___

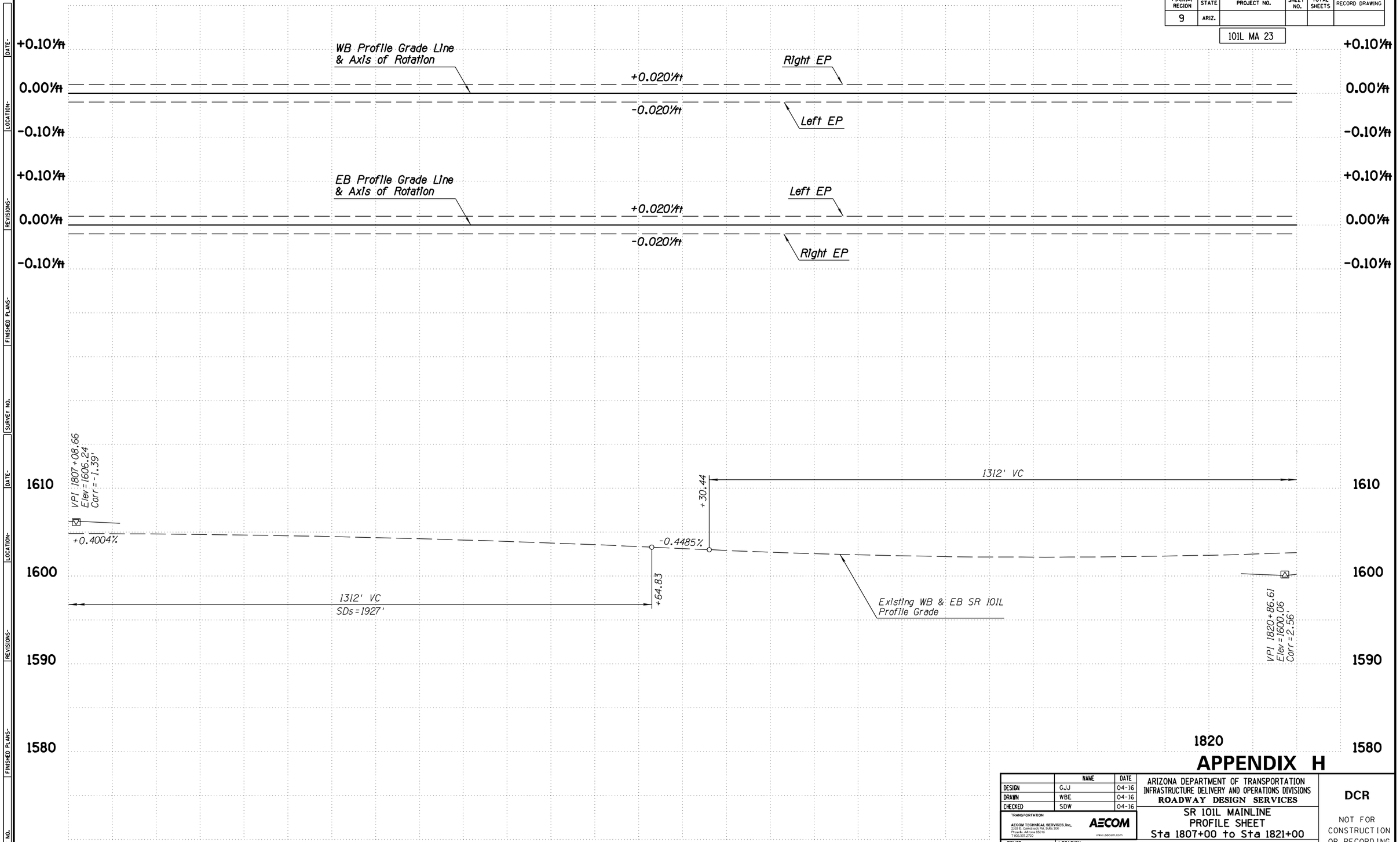
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297p40.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1807+00 to Sta 1821+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.146

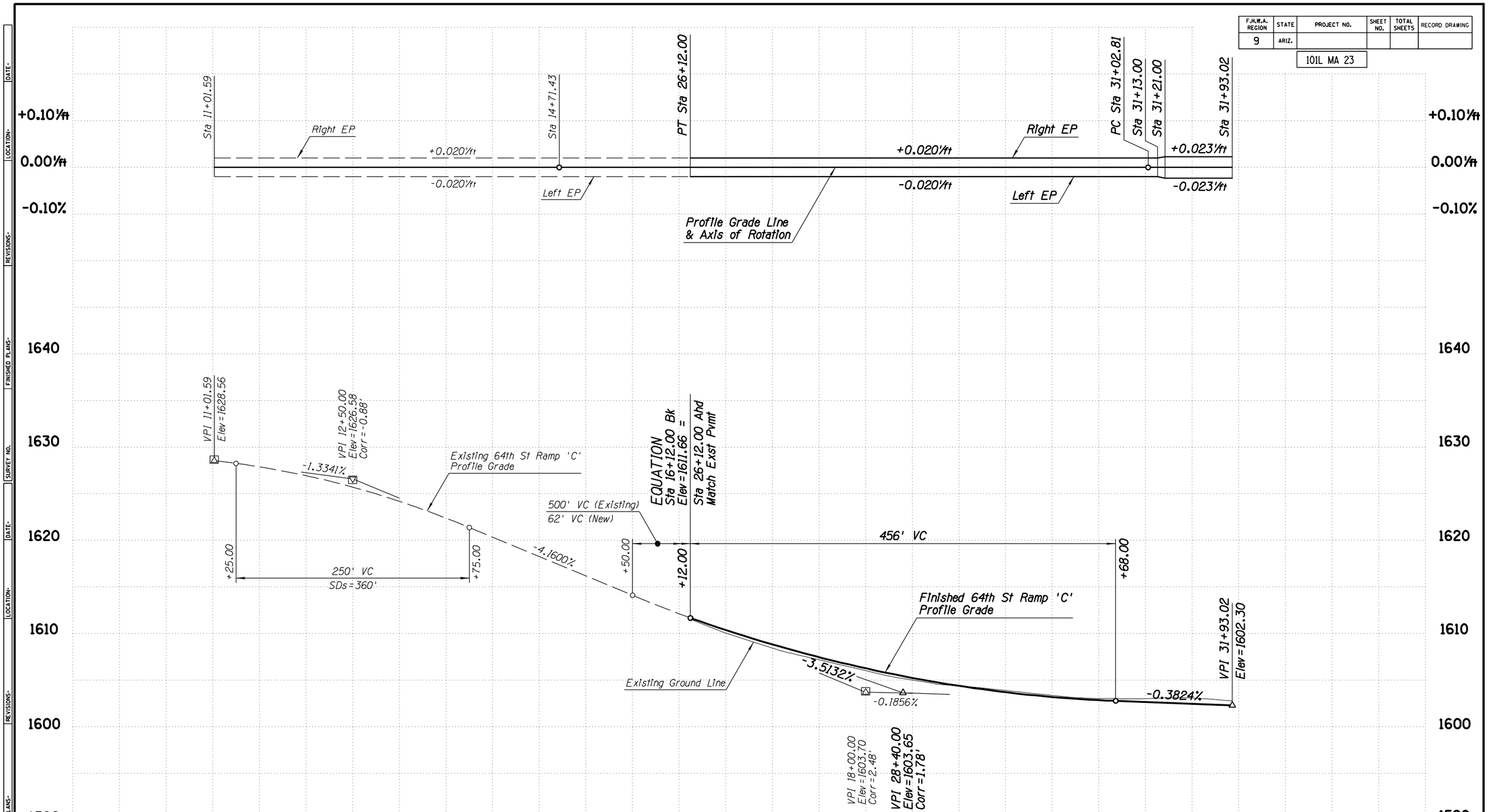
TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v40.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
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CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

64TH STREET RAMP 'C'
PROFILE SHEET
Sta 26+12.00 to Sta 31+93.02

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.147

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

___ OF ___

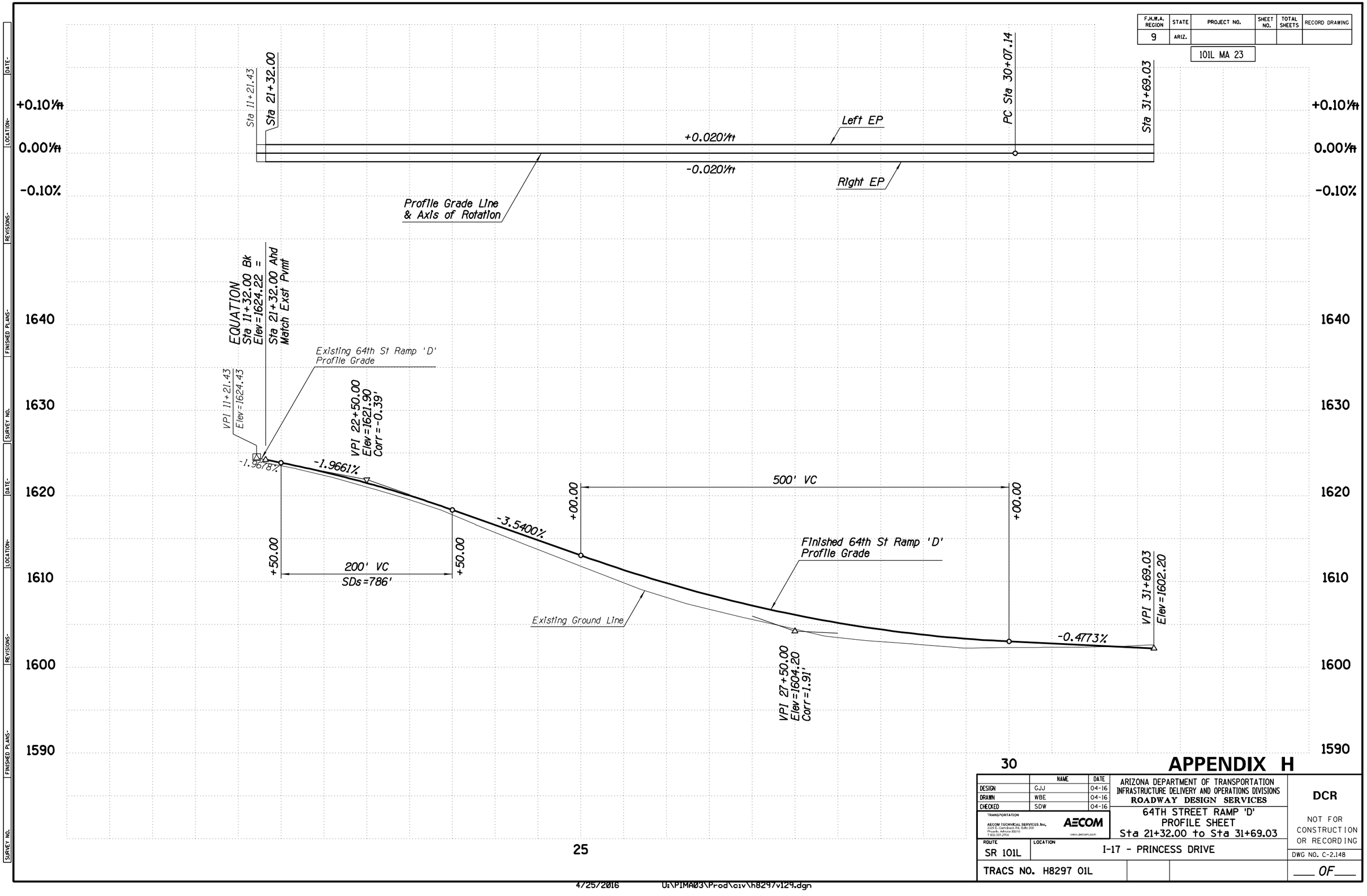
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297v128.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-



30

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

64TH STREET RAMP 'D'
PROFILE SHEET
Sta 21+32.00 to Sta 31+69.03

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	C-2.148
TRACS NO. H8297 01L		___ OF ___

25

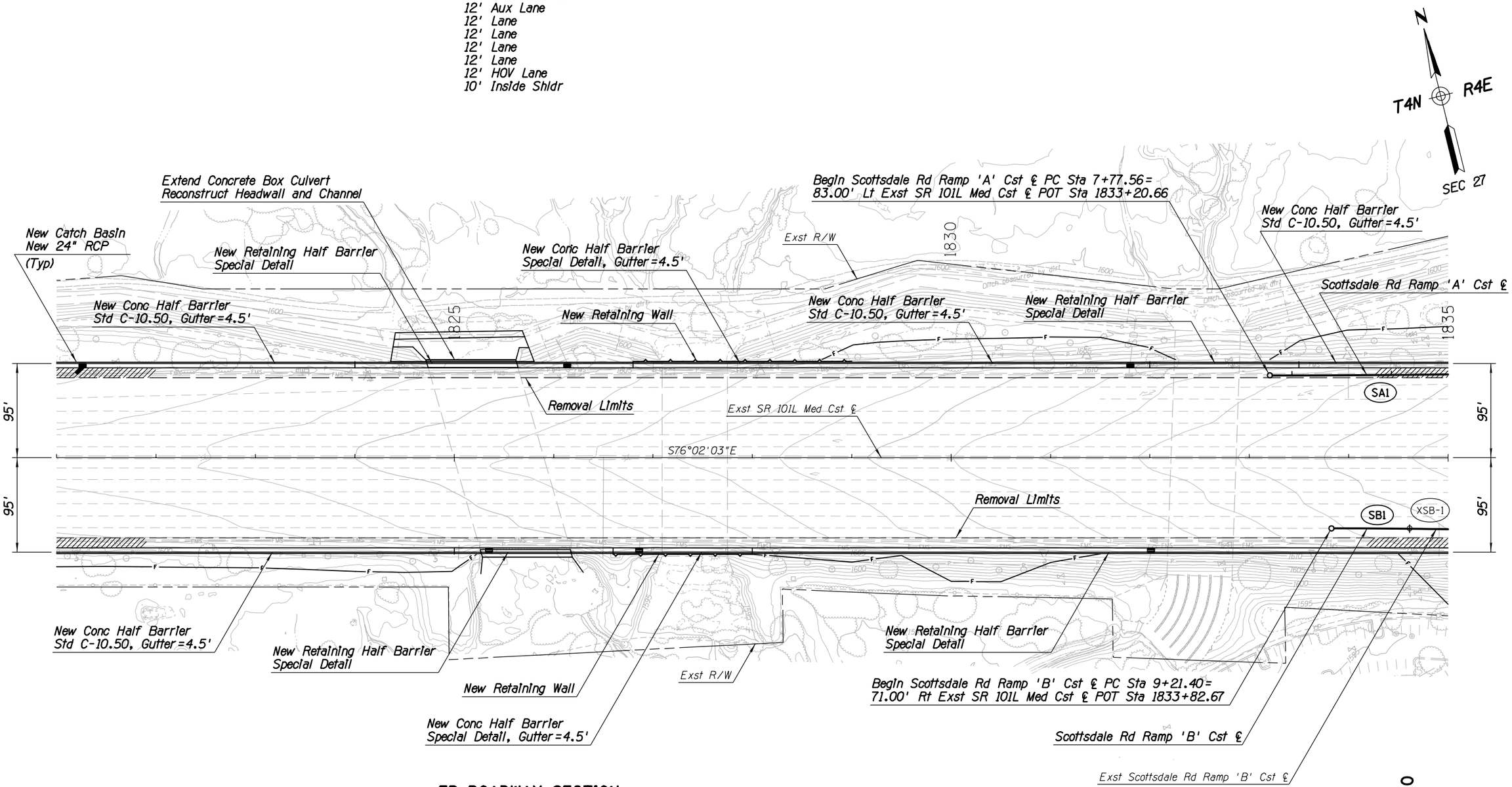
4/25/2016 U:\PIMA03\Prod\civ\h8297v129.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr



EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

N
T4N R4E
SEC 27

10

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1821+00 to Sta 1835+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DWG NO. C-2.149

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297p41.dgn

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE-
LOCATION-
REVISIONS-
FINISHED PLANS-
SURVEY NO.

+0.10'/ft
0.00'/ft
-0.10'/ft
+0.10'/ft
0.00'/ft
-0.10'/ft

WB Profile Grade Line
& Axis of Rotation

+0.020'/ft

-0.020'/ft

Right EP

Left EP

EB Profile Grade Line
& Axis of Rotation

+0.020'/ft

-0.020'/ft

Left EP

Right EP

1620
1610
1600
1590

1312' VC

+42.78

+1.1110%

Existing WB & EB SR 101L
Profile Grade

1825
1830
1835

APPENDIX H

	NAME	DATE
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1821+00 to Sta 1835+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.150

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v41.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

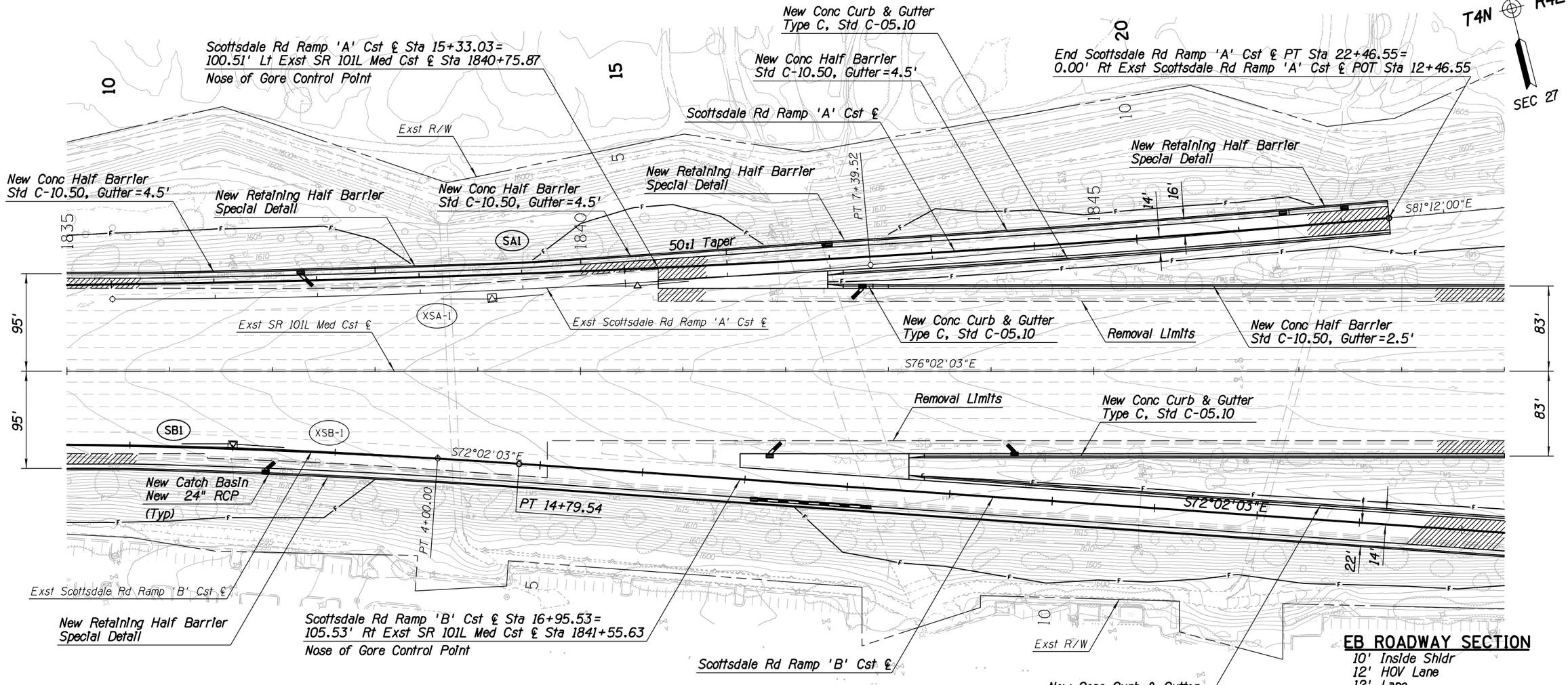
WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

WB ROADWAY SECTION

12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

T4N R4E
SEC 27



EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1835+00 to Sta 1849+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.151

___ OF ___

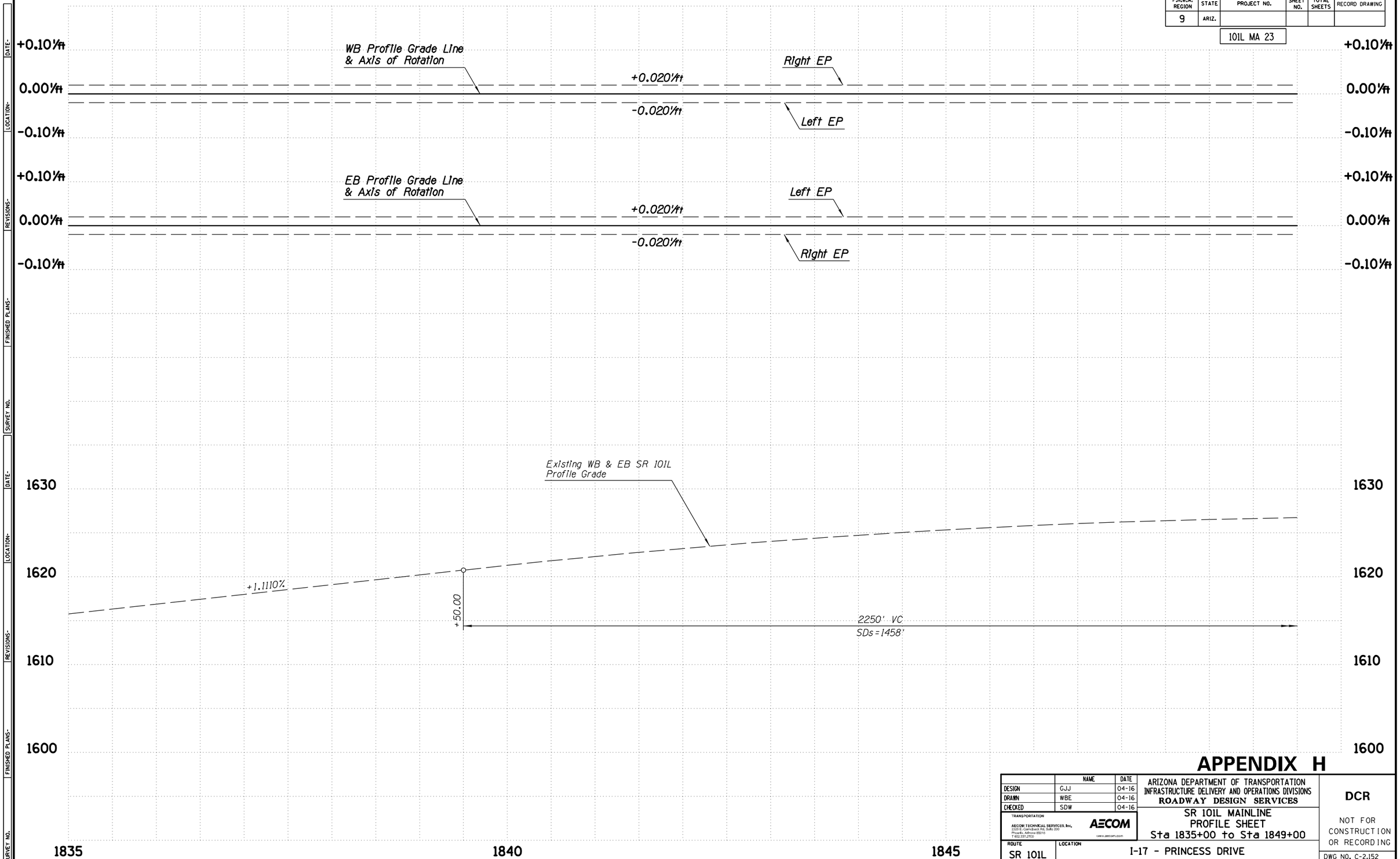
4/25/2016 U:\PIMA03\Prod\civ\h8297p42.dgn

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd. Suite 200
Phoenix, Arizona 85016
T 602.371.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1835+00 to Sta 1849+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.152

TRACS NO. H8297 01L

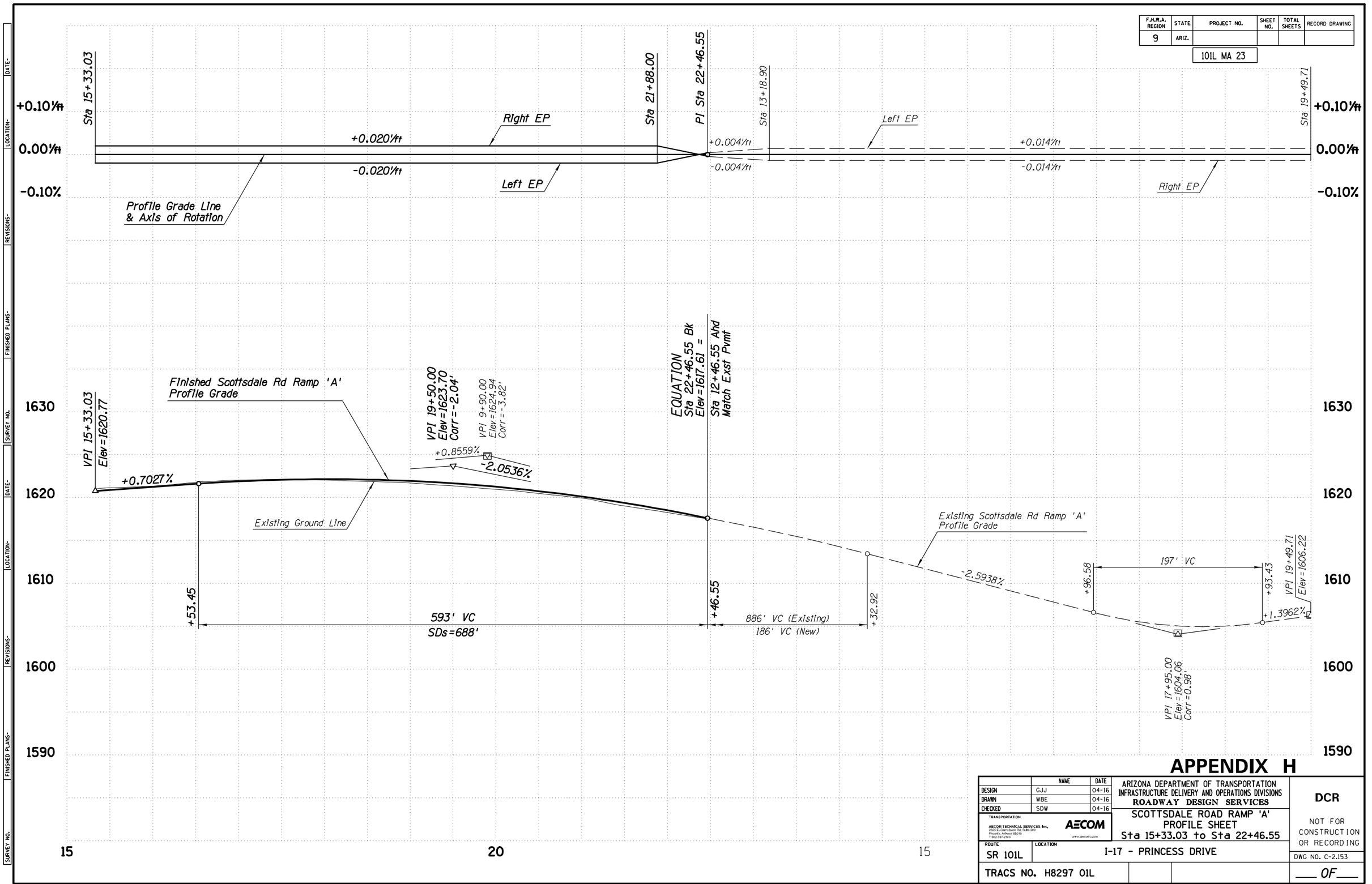
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v42.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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T 602.371.2700
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SCOTTSDALE ROAD RAMP 'A'
PROFILE SHEET
Sta 15+33.03 to Sta 22+46.55

DCR

NOT FOR CONSTRUCTION OR RECORDING

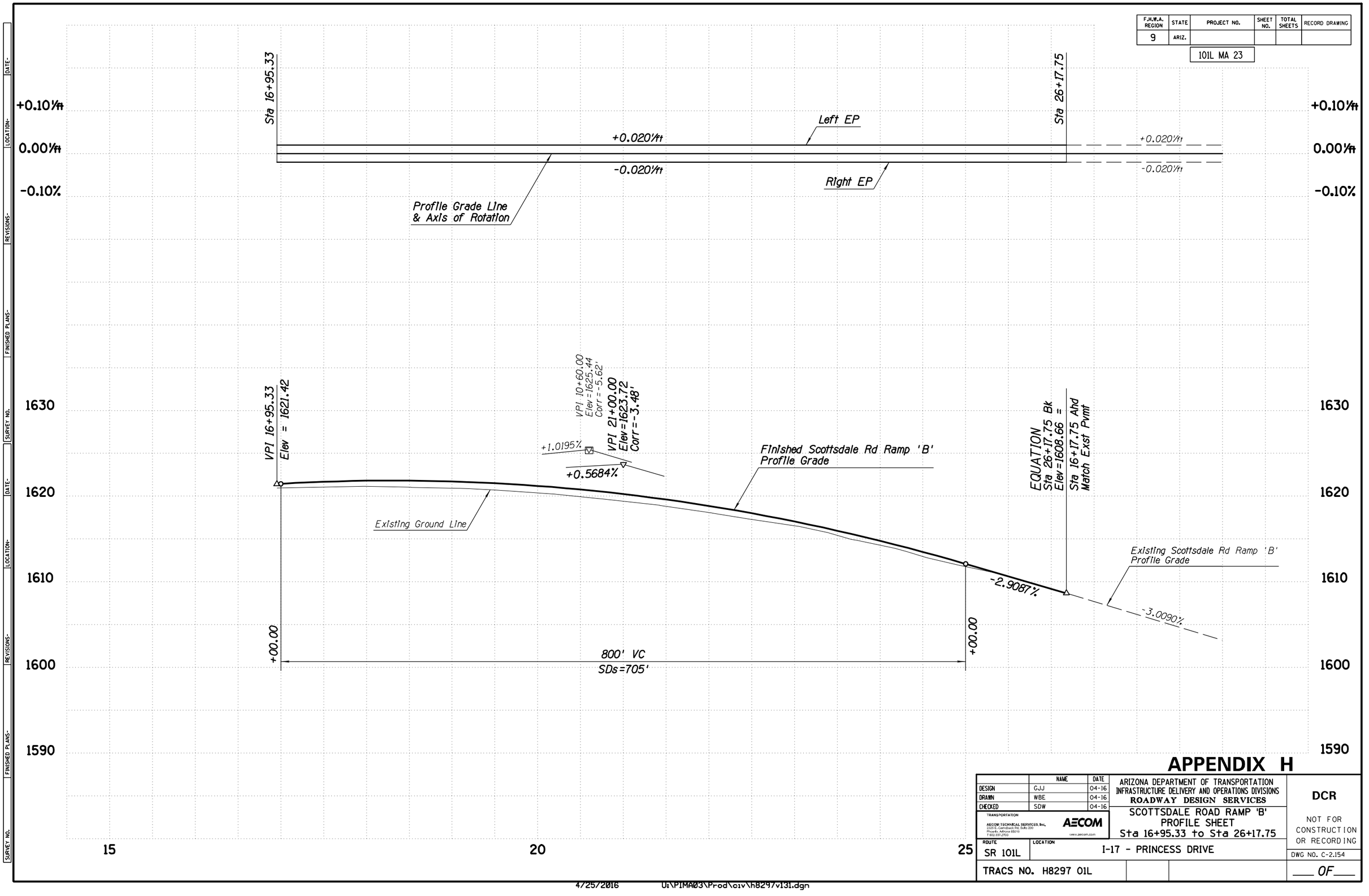
ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.153
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v130.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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Phoenix, Arizona 85016
T 602.317.2700
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SCOTTSDALE ROAD RAMP 'B'
PROFILE SHEET
Sta 16+95.33 to Sta 26+17.75

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.154

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v131.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.

WB ROADWAY SECTION

12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

N

T4N R4E

SEC 26

Exst R/W

Exst Scottsdale Rd Ramp 'A' Cst ℄

New Conc Half Barrier
Std C-10.50, Gutter=2.5'

S81°12'00"E

Exst SR 101L Med Cst ℄

Removal Limits

Scottsdale Rd Ramp 'B' Cst ℄

S76°02'03"E

New Conc Curb & Gutter
Type C, Std C-05.10

New Conc Half Barrier
Std C-10.50, Gutter=2.5'

EQUATION
PI Sta 1855+40.96 Bk =
PI Sta 1855+41.41 Ahd

New Retaining Half Barrier
Special Detail

+47.78 14.00' Lt

25:1 Taper

S72°02'03"E

25.59'

New Retaining Half Barrier
Special Detail

+47.48 22.00' Rt

25:1 Taper

25.59'

Exst R/W

Exst Scottsdale Rd Ramp 'B' Cst ℄

Exst Scottsdale Rd Cst ℄

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

End Scottsdale Rd Ramp 'B' Cst ℄ PI Sta 28+37.23=
0.00' Rt Exst Scottsdale Rd Ramp 'B' Cst ℄ POT Sta 18+37.23

Exst R/W

Begin Scottsdale Rd Ramp 'C' Cst ℄ PI Sta 15+00.00=
0.00' Rt Exst Scottsdale Rd Ramp 'C' Cst ℄ POT Sta 5+00.00

Exst WB Frontage Rd Cst ℄

Exst Scottsdale Rd Ramp 'C' Cst ℄

PC 23+84.74

Scottsdale Rd Ramp 'C' Cst ℄

XWB-12

S72°02'03"E

New Retaining Half Barrier
Special Detail

S72°02'03"E

S72°47'03" E

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

New Conc Curb & Gutter
Type C, Std C-05.10

Scottsdale Rd Ramp 'D' Cst ℄

Removal Limits

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

S0°02'11"E

S81°05'03"E

Exst R/W

Exst Scottsdale Rd Ramp 'D' Cst ℄

Widen Exst
Scottsdale Rd Overpass
(Typ)

S 80°20'03" E

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

New Conc Curb & Gutter
Type C, Std C-05.10

Begin Scottsdale Rd Ramp 'D' Cst ℄ PI Sta 13+82.00=
0.00' Rt Exst Scottsdale Rd Ramp 'D' Cst ℄ POT Sta 3+82.00

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
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TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1849+00 to Sta 1863+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.155

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297p43.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.

+0.10%ft
0.00%ft
-0.10%ft

Right EP
WB Profile Grade Line & Axis of Rotation
+0.020%ft
-0.020%ft
Left EP
PI Sta 1855+40.96
PI Sta 1855+41.41

Left EP
EB Profile Grade Line & Axis of Rotation
Right EP

VPI 1850+75.00
Elev=1633.26
Corr=-6.43'
+1.1110%

EQUATION
PI Sta 1855+40.96 Bk=
Elev=1625.58
PI Sta 1855+41.41 Ahd
Elev=1625.58

Existing WB & EB SR 101L Profile Grade
-1.1750%
+00.45

Exst Scottsdale Rd Cst ℄
Existing Ground Line
2250' VC
SDs=1458'

1630
1620
1610
1600

1850
1855
1860

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1849+00 to Sta 1863+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.156

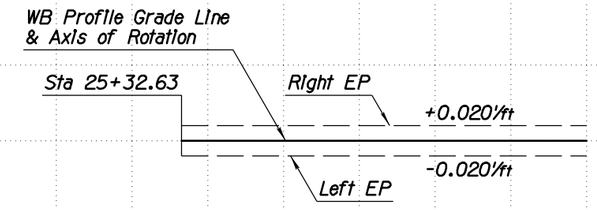
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v43.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

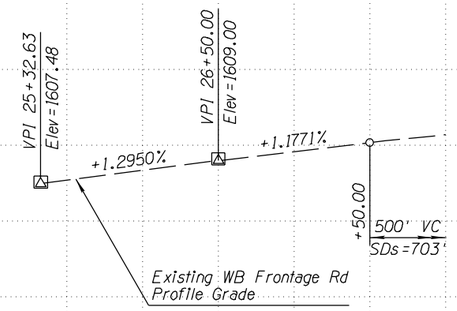
101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



+0.10'/ft
0.00'/ft
-0.10'/ft

1620
1610
1600
1590



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APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 19+96.10 to Sta 28+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.157
TRACS NO. H8297 01L
___ OF ___

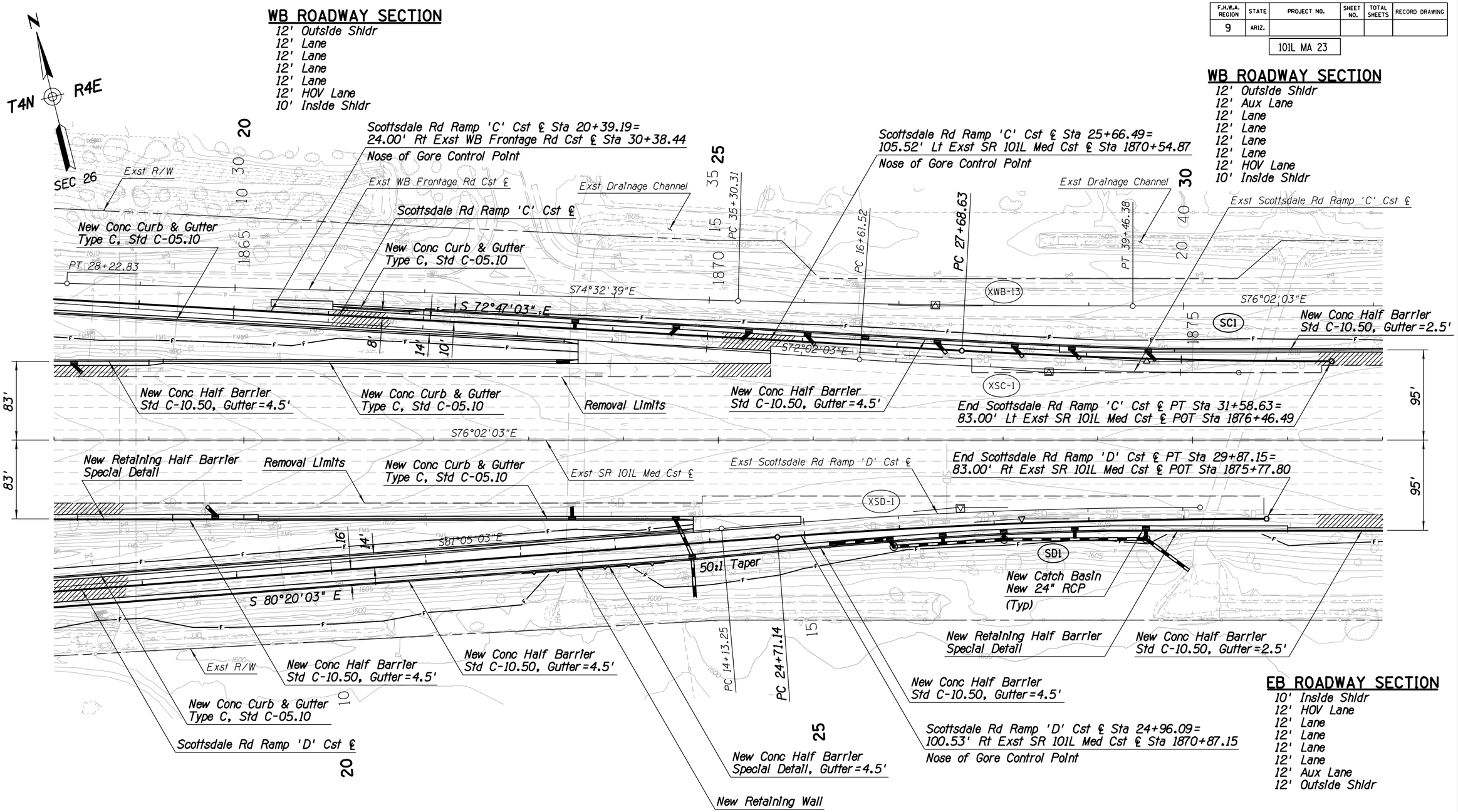
4/25/2016 U:\PIMA03\Prod\civ\h8297v100.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION
12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

WB ROADWAY SECTION
12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr



EB ROADWAY SECTION
10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

EB ROADWAY SECTION
10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1863+00 to Sta 1877+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.158

TRACS NO. H8297 01L

___ OF ___

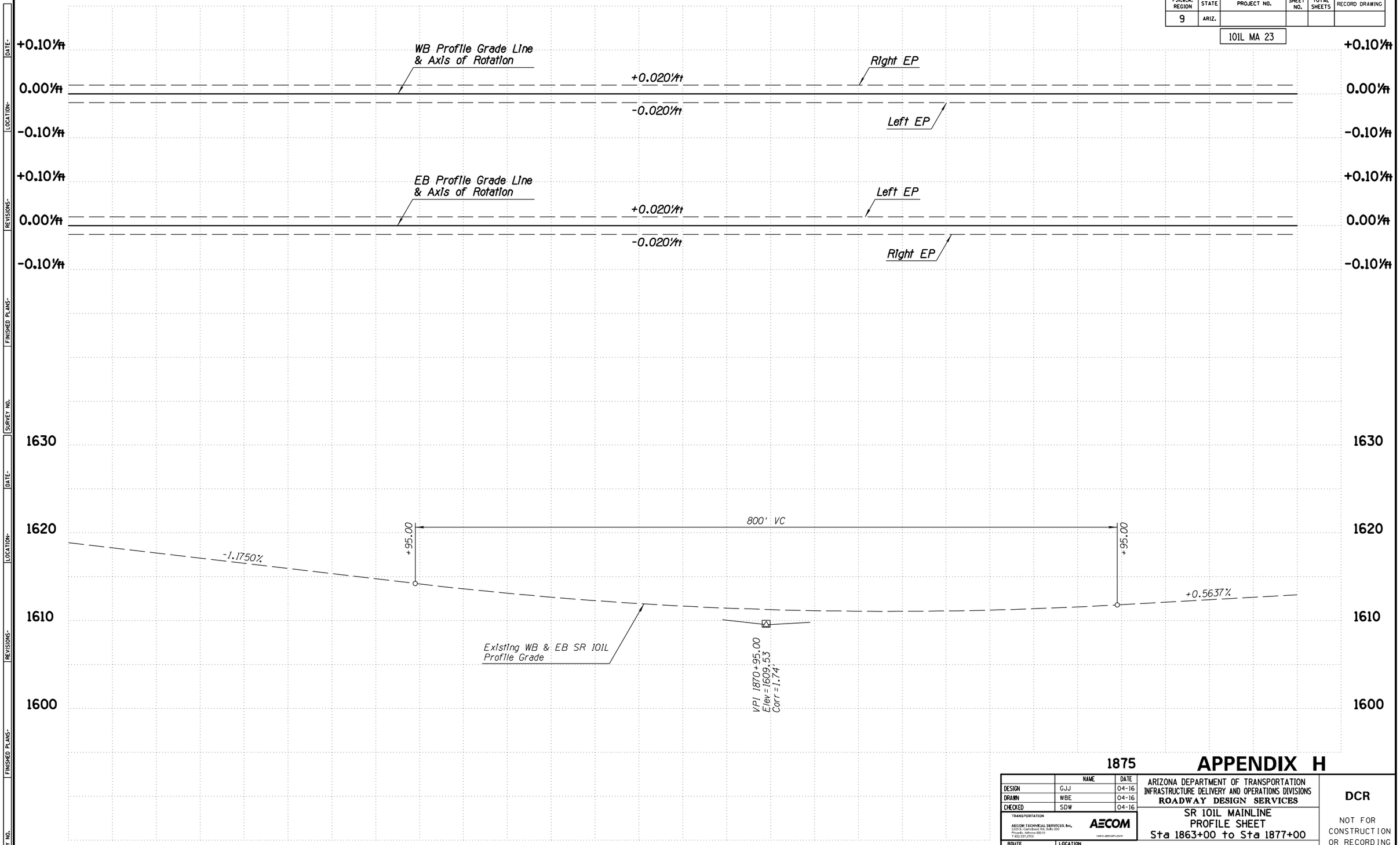
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297p44.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1863+00 to Sta 1877+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

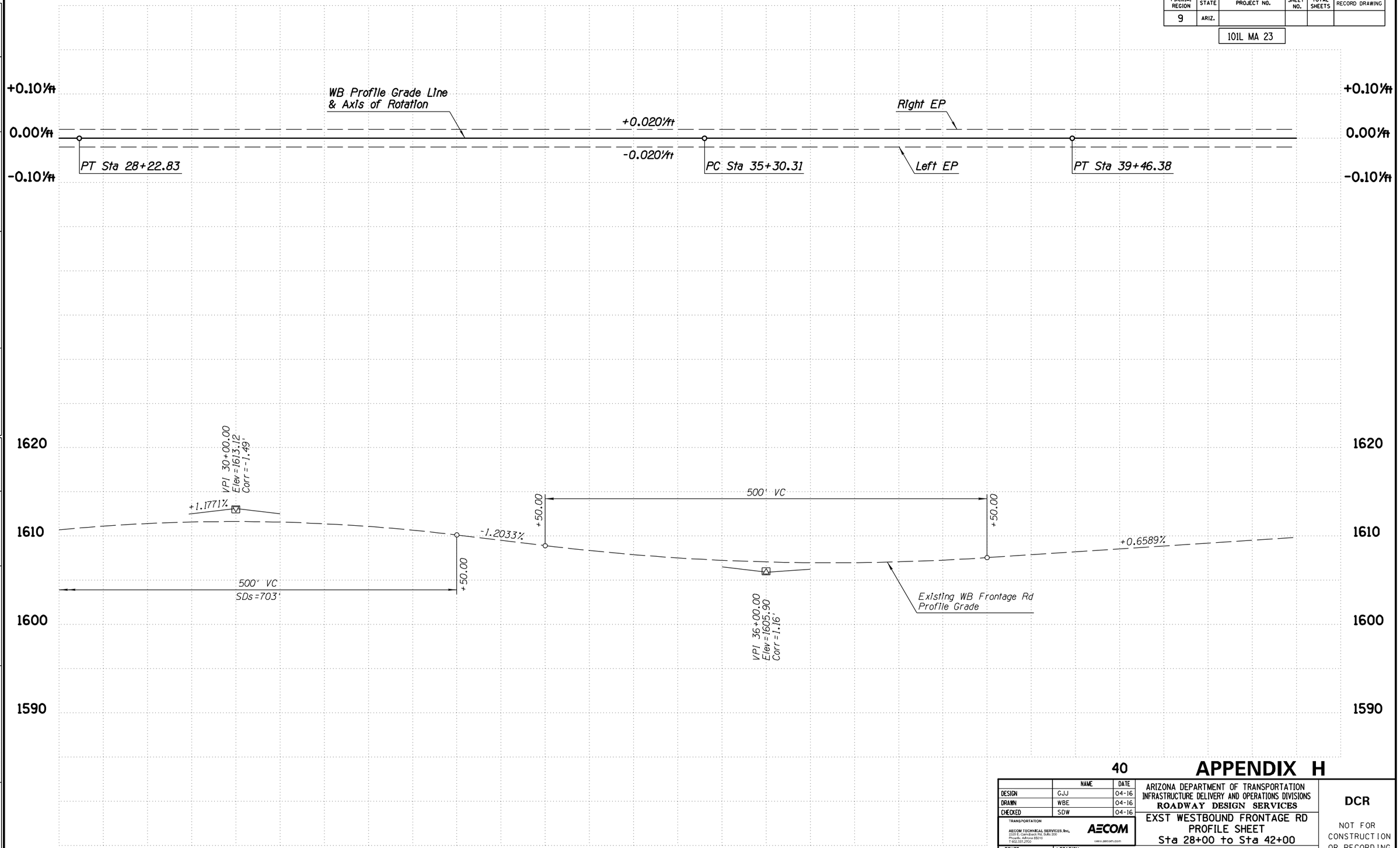
ROUTE	LOCATION	DWG NO. C-2.159
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v44.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE-
LOCATION-
REVISIONS-
FINISHED PLANS-
SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 28+00 to Sta 42+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.160

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

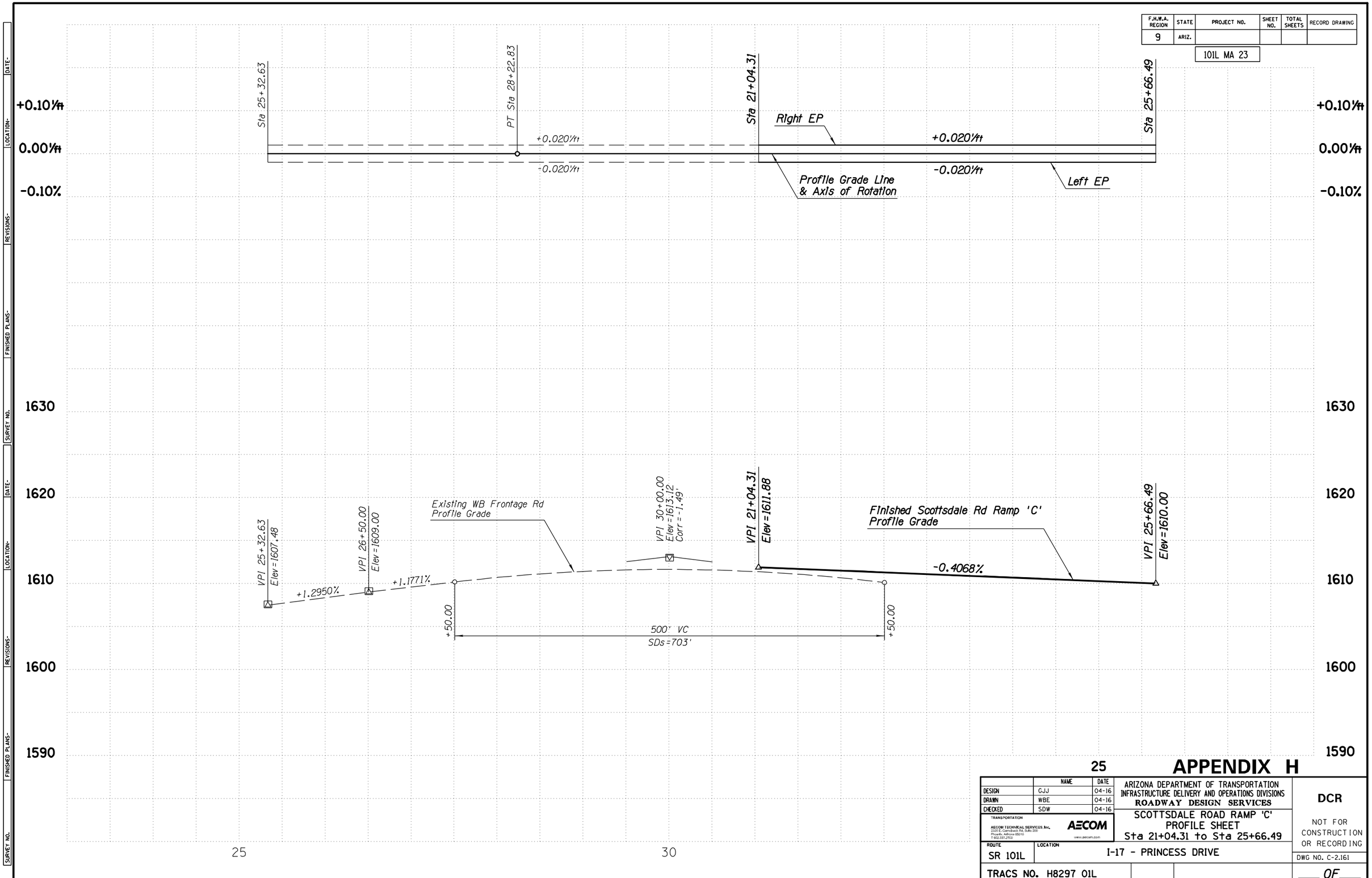
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v101.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



25

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SCOTTSDALE ROAD RAMP 'C'
PROFILE SHEET
Sta 21+04.31 to Sta 25+66.49

DCR

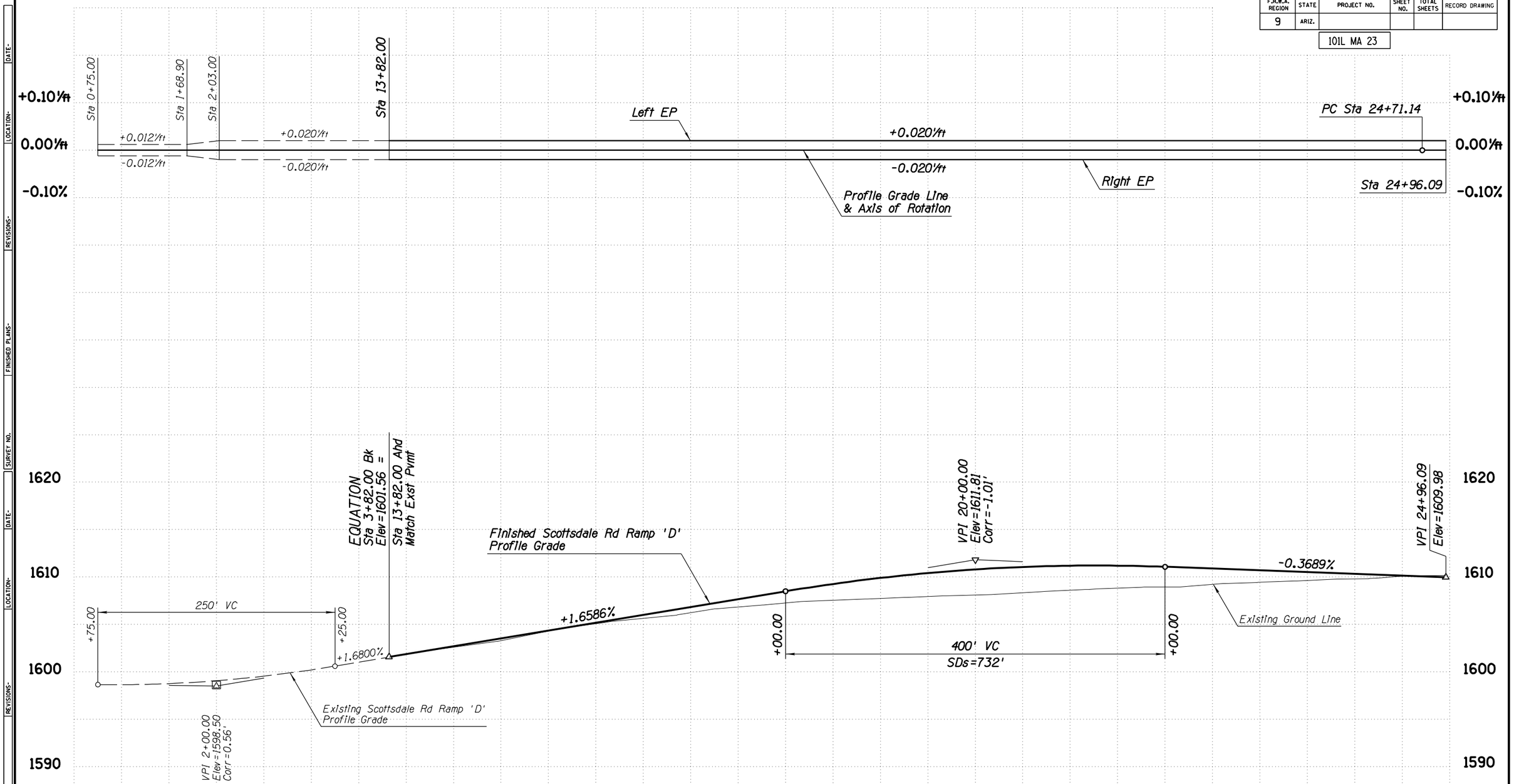
NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.161
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v132.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H 25

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SCOTTSDALE ROAD RAMP 'D'
PROFILE SHEET
Sta 13+82.00 to Sta 24+96.09

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.162

ROUTE: SR 101L

LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v133.dgn

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

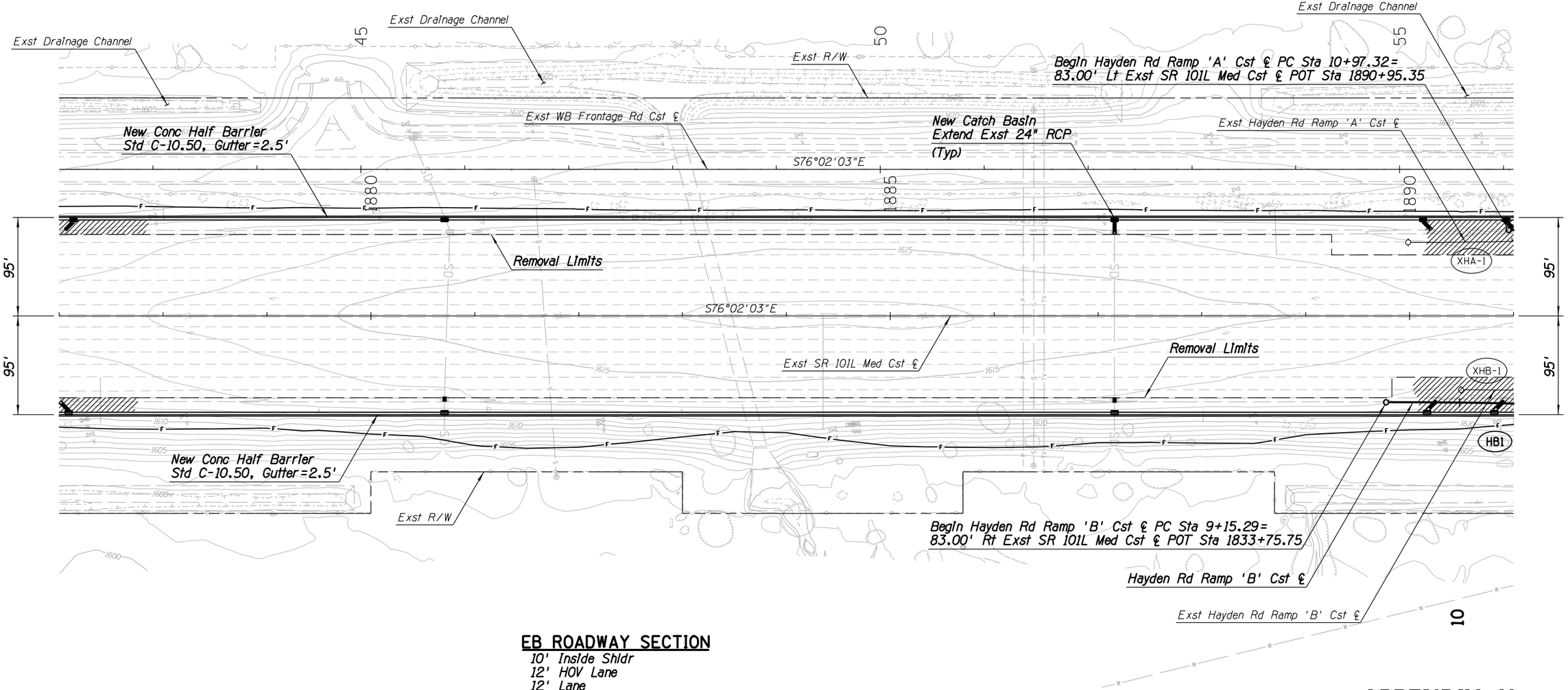
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr



EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1877+00 to Sta 1891+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.163

___ OF ___

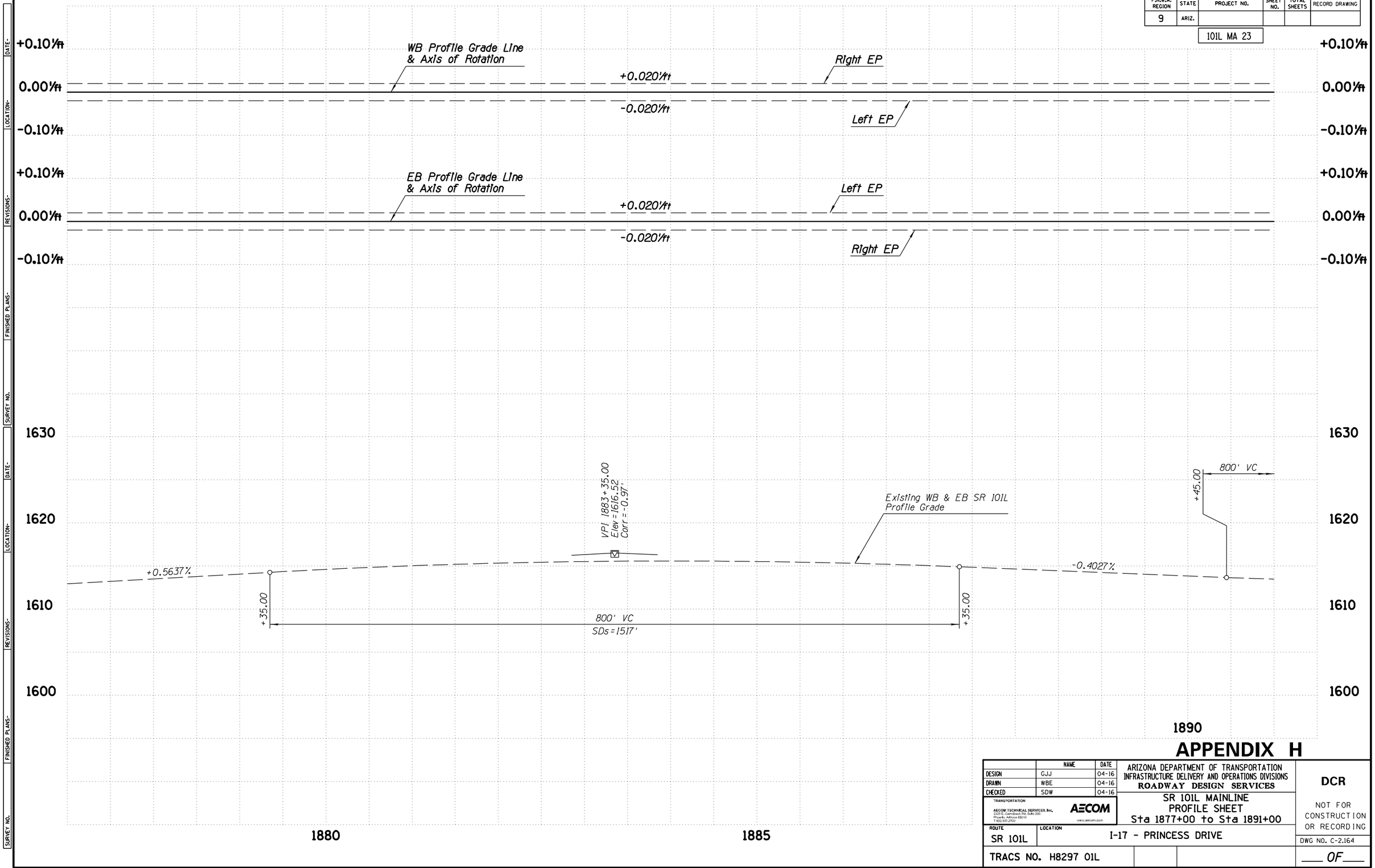
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297p45.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE-
LOCATION-
REVISIONS-
FINISHED PLANS-
SURVEY NO.



APPENDIX H

	NAME	DATE
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1877+00 to Sta 1891+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	C-2.164

TRACS NO. H8297 01L

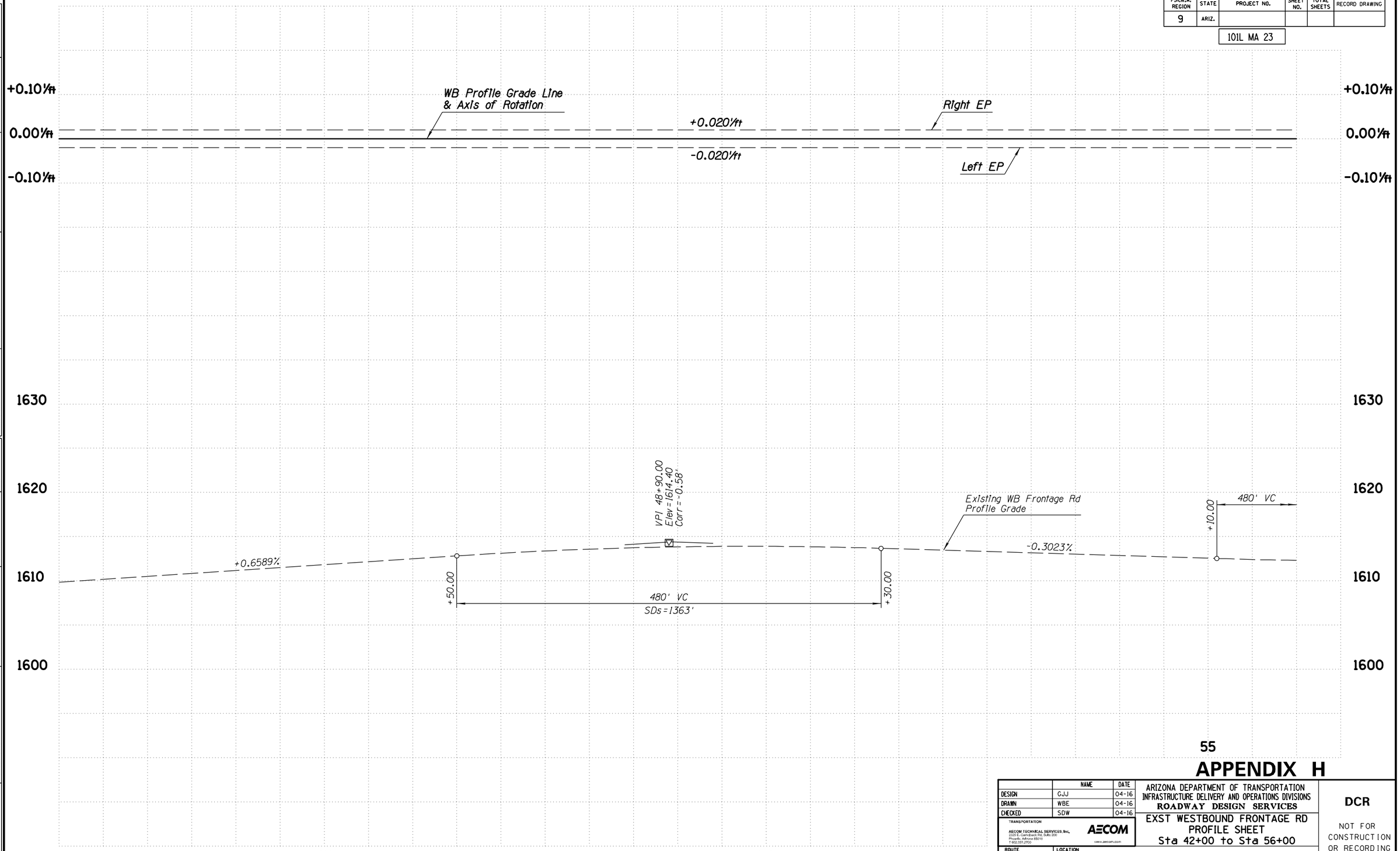
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v45.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 42+00 to Sta 56+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.165

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v102.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

WB ROADWAY SECTION

12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

T4N R4E SEC 26

Hayden Rd Ramp 'A' Cst ℄ Sta 15+88.38=
100.53' Lt Exst SR 101L Med Cst ℄ Sta 1895+86.00
Nose of Gore Control Point

New Conc Curb & Gutter
Type C, Std C-05.10

End Hayden Rd Ramp 'A' Cst ℄ POT Sta 22+31.01=
0.00' Rt Exst Hayden Rd Ramp 'A' Cst ℄ POT Sta 12+31.01

Exst Drainage Channel

PT 4+75.30

PT 16+67.67

PT 63+43.44

PC 66+50.21

Exst R/W

Exst WB Frontage Rd Cst ℄

New Conc Half Barrier
Std C-10.50, Gutter=2.5'

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

XWB-14

XWB-15

PT 68+50.28

S76°57'58"E

S80°47'14"E

S76°02'03"E

50:1 Taper

HA1

XHA-1

PC 60+11.61

Exst Hayden Rd Ramp 'A' Cst ℄

Hayden Rd Ramp 'A' Cst ℄

S 80°47'14" E

New Conc Curb & Gutter
Type C, Std C-05.10

Removal Limits

New Conc Half Barrier
Std C-10.50, Gutter=2.5'

95'

83'

New Conc Half Barrier
Std C-10.50, Gutter=2.5'

Exst Hayden Rd Ramp 'B' Cst ℄

Exst SR 101L Med Cst ℄

XHB-1

New Conc Curb & Gutter
Type C, Std C-05.10

Removal Limits

New Conc Half Barrier
Std C-10.50, Gutter=2.5'

HB1

New Catch Basin
New 24" RCP
(Typ)

S69°06'19"E

PC 23+32.00

HB2

S 70°16'11" E

25:1 Taper

XHB-2

New Retaining Half Barrier
Special Detail

Hayden Rd Ramp 'B' Cst ℄

PT 16+21.15

PT 6+92.89

Exst R/W

+70.00
10.00' Rt

21.28'

Hayden Rd Ramp 'B' Cst ℄ Sta 14+86.28=
105.54' Rt Exst SR 101L Med Cst ℄ Sta 1895+33.63
Nose of Gore Control Point

New Conc Half Barrier
Std C-10.50, Gutter=4.5'

New Conc Curb & Gutter
Type C, Std C-05.10

PC 12+54.36

End Hayden Rd Ramp 'B' Cst ℄ POC Sta 23+52.00=
0.00' Rt Exst Hayden Rd Ramp 'B' Cst ℄ POC Sta 13+52.00

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
7720 E. Gainsboro Rd, Suite 200
Phoenix, Arizona 85016
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AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1891+00 to Sta 1905+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	C-2.166
TRACS NO. H8297 01L		___ OF ___

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297p46.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

+0.10%ft
0.00%ft
-0.10%ft

WB Profile Grade Line
& Axis of Rotation

+0.020%ft
-0.020%ft

Right EP
Left EP

EB Profile Grade Line
& Axis of Rotation

Left EP
Right EP

1630
1620
1610
1600

800' VC
+45.00
+1.8013%
+50.00
1700' VC
SDs=1013'

-0.4027%
VPI 1894+45.00
Elev=1612.05
Corr=2.20'

Existing WB & EB SR 101L
Profile Grade

1895
1900
1905

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
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TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1891+00 to Sta 1905+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.167

TRACS NO. H8297 01L

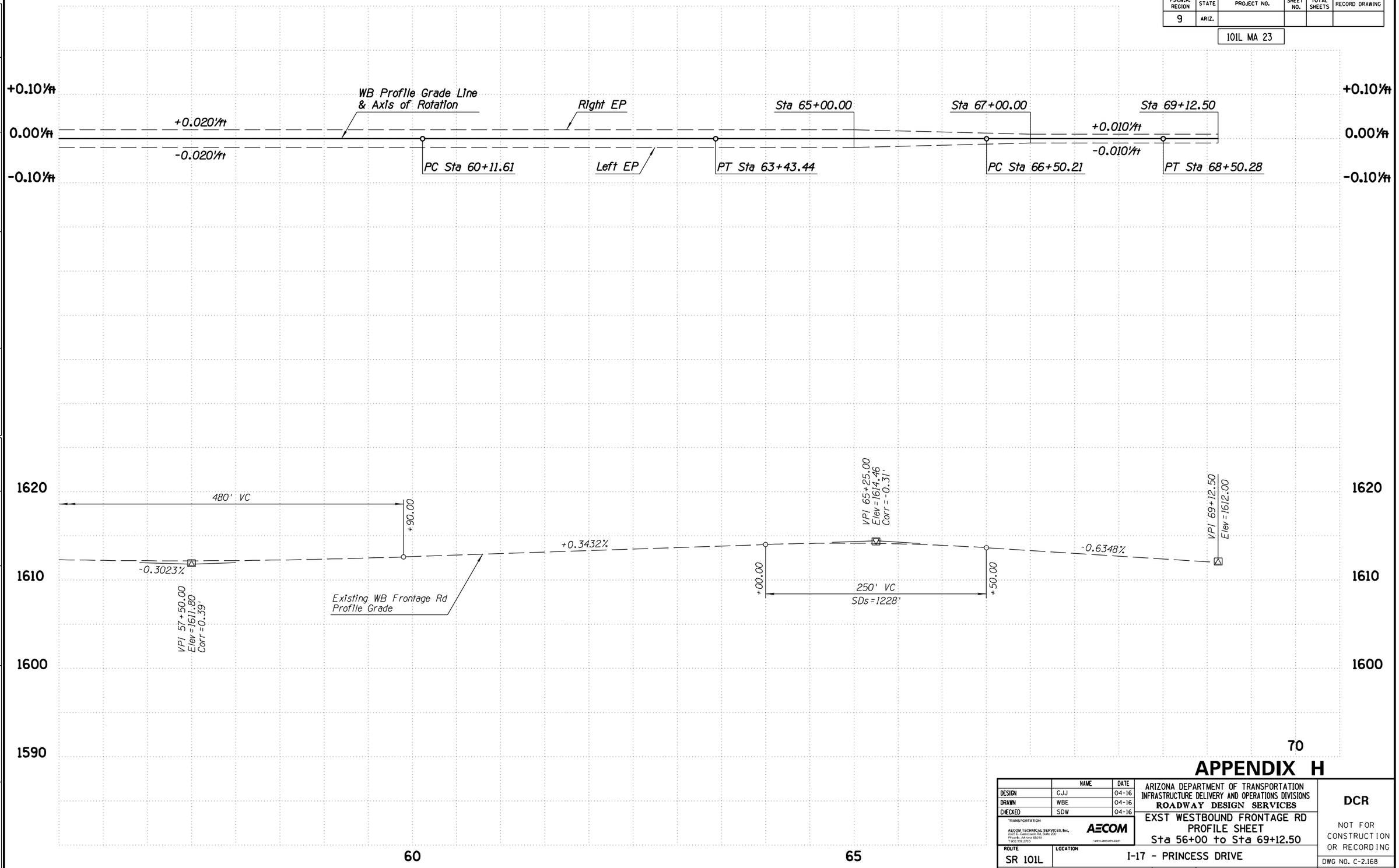
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v46.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE-
LOCATION-
REVISIONS-
FINISHED PLANS-
SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EXST WESTBOUND FRONTAGE RD
PROFILE SHEET
Sta 56+00 to Sta 69+12.50

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.168

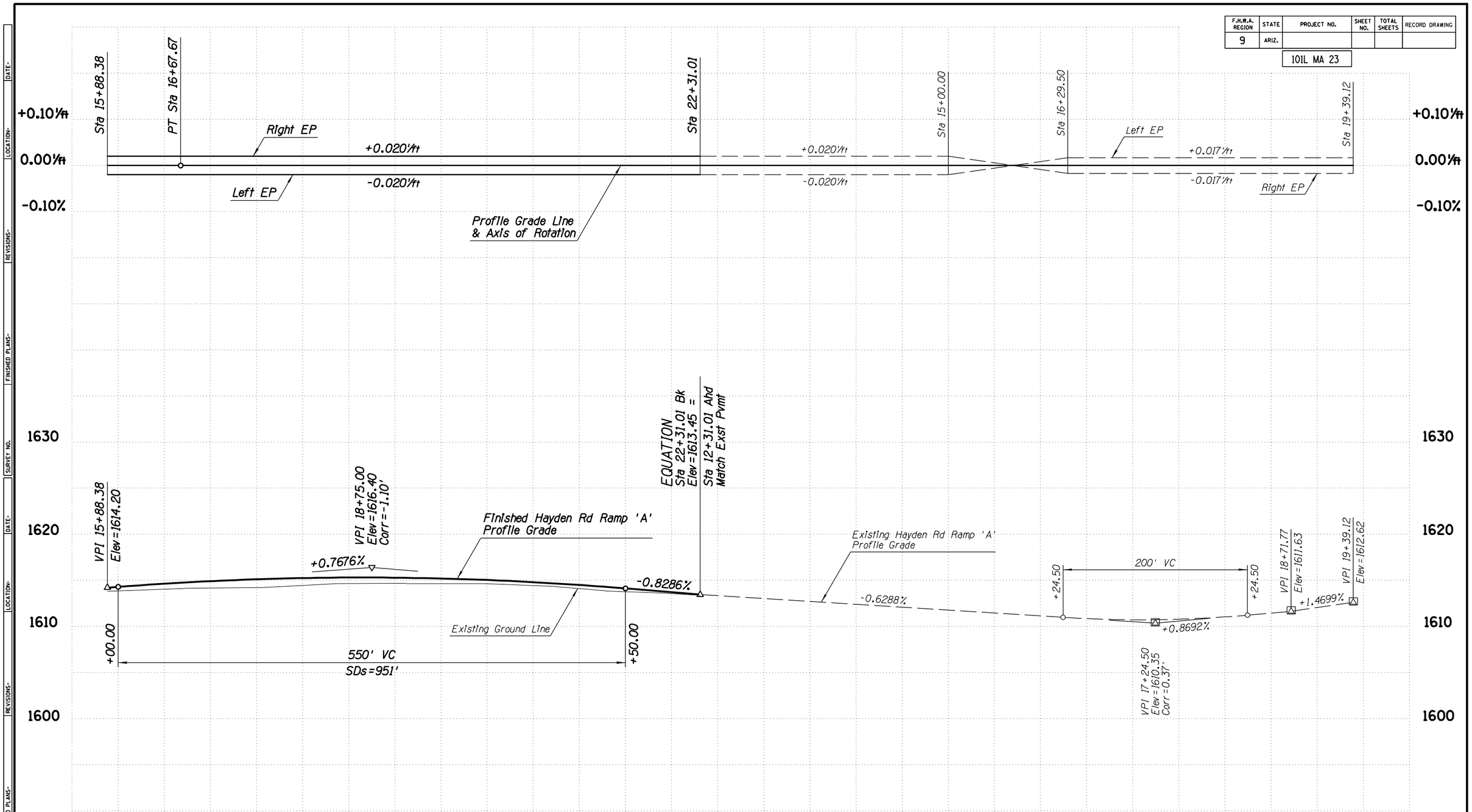
TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v103.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

HAYDEN ROAD RAMP 'A'
PROFILE SHEET
Sta 15+88.38 to Sta 22+31.01

DCR

NOT FOR CONSTRUCTION OR RECORDING

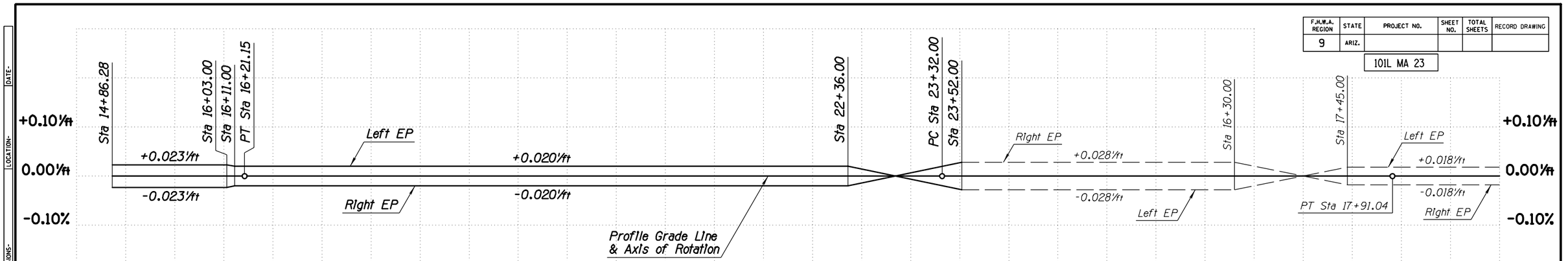
ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	C-2.169
TRACS NO. H8297 01L		___ OF ___

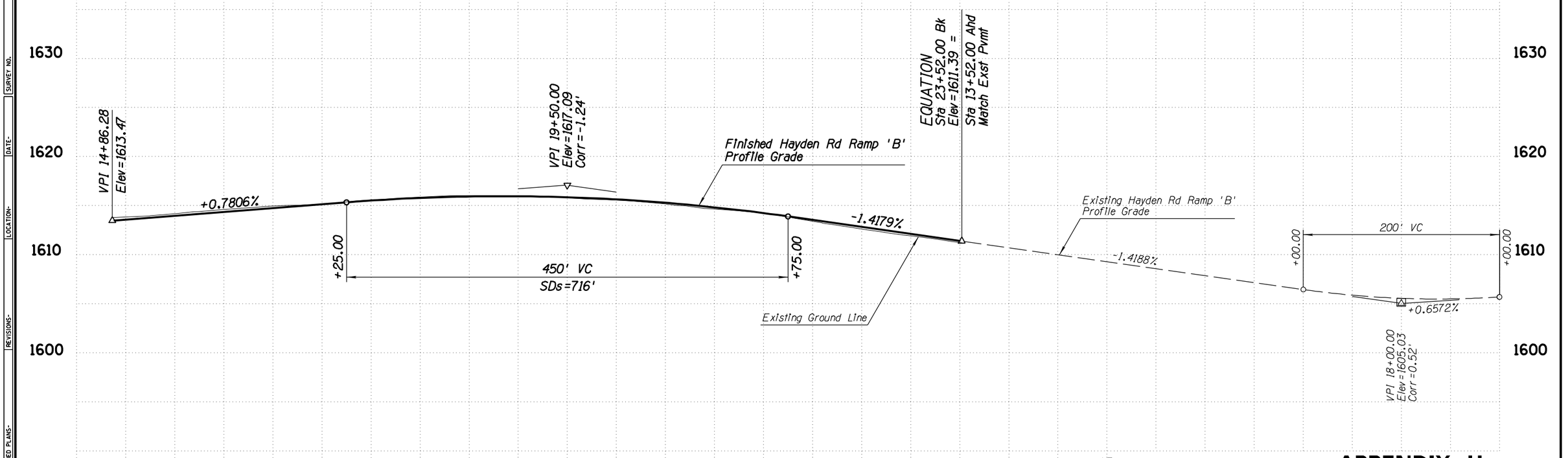
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297v134.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23





15

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

TRANSPORTATION
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HAYDEN ROAD RAMP 'B'
PROFILE SHEET
Sta 14+86.28 to Sta 23+52.00

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.170

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v135.dgn

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

N
T4N R4E
SEC 36

Exst Hayden Rd Cst ℄
S0°00'58"E
Exst Hayden Rd Ramp 'A' Cst ℄
Exst R/W
Exst Drainage Channel
PC 3+72.61
PC 14+46.16
Begin Hayden Rd Ramp 'C' Cst ℄ POT Sta 13+72.61=
0.00' Rt Exst Hayden Rd Ramp 'C' Cst ℄ POT Sta 3+72.61
Exst WB Frontage Rd Cst ℄
Exst Hayden Rd Ramp 'C' Cst ℄
PI 17+88.76
S80°47'14"E
S76°57'58"E
S 76°57'58" E
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
New Conc Half Barrier
Std C-10.50, Gutter=4.5'
New Retaining Half Barrier
Special Detail
Hayden Rd Ramp 'C' Cst ℄
+37.50 28.00' Lt
25:1 Taper
HC1
25:1 Taper
+37.50 26.00' Rt
+37.50 14.00' Rt
XHC-1
New Conc Curb & Gutter
Type C, Std C-05.10
Exst SR 101L Med Cst ℄
Exst WB SR 101L Cst ℄
Removal Limits
S76°02'03"E
TS 1918+99.55
Begin Exst WB SR 101L Cst ℄ POT Sta 1915+00.00=
35.00' Lt Exst SR 101L Med Cst ℄ POT Sta 1915+00.00
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
New Conc Half Barrier
Std C-10.50, Gutter=4.5'
Exst Hayden Rd Ramp 'B' Cst ℄
XHB-2
S77°09'19"E
PT 17+91.04
S0°00'58"E
Widen Exst
Hayden Rd Overpass
(Typ)
New Retaining Half Barrier
Special Detail
Removal Limits
S81°39'33"E
HD1
New Conc Curb & Gutter
Type C, Std C-05.10
Exst R/W
Exst Hayden Rd Ramp 'D' Cst ℄
Hayden Rd Ramp 'D' Cst ℄
Begin Hayden Rd Ramp 'D' Cst ℄ PC Sta 16+40.00=
0.00' Rt Exst Hayden Rd Ramp 'D' Cst ℄ POT Sta 6+40.00

83' 83' 48' 34' 83' 14' 16' 14'

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1905+00 to Sta 1919+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.171

___ OF ___

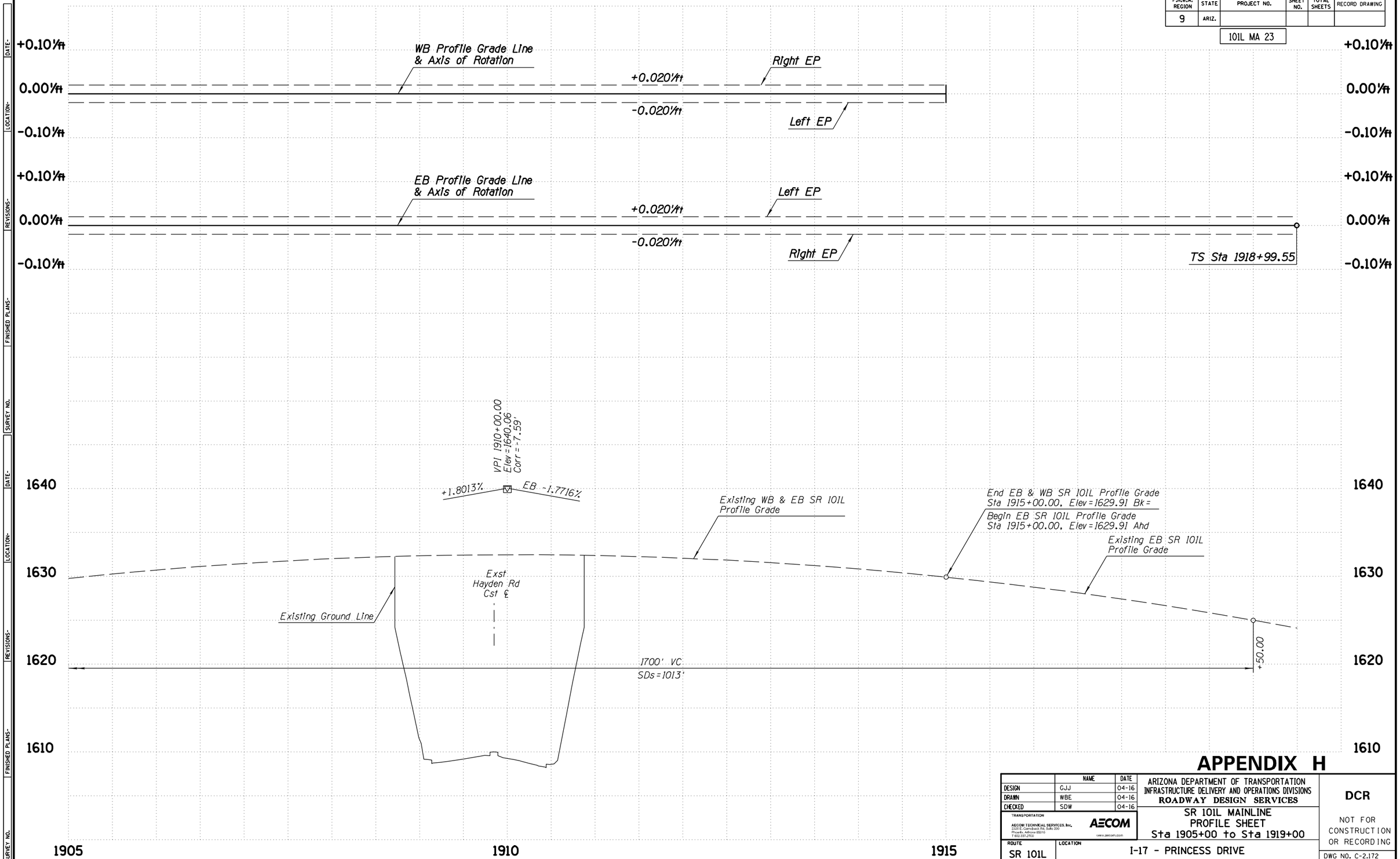
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297p47.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PROFILE SHEET
Sta 1905+00 to Sta 1919+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.172

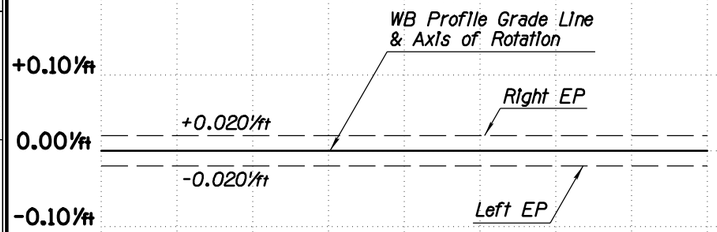
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v47.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

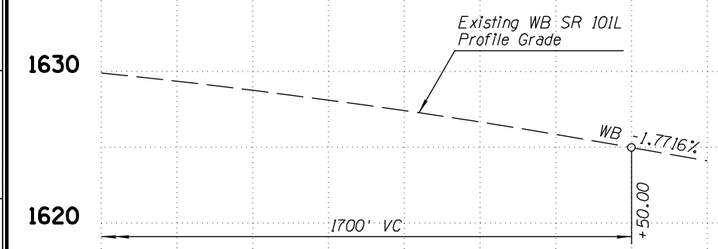
101L MA 23

DATE-
LOCATION-
REVISIONS-
FINISHED PLANS-
SURVEY NO.



+0.10'/ft
0.00'/ft
-0.10'/ft

1640
1630
1620
1610



1915
1920

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

WESTBOUND SR101L
PROFILE SHEET
Sta 1915+00 to Sta 1919+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.173
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v57.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

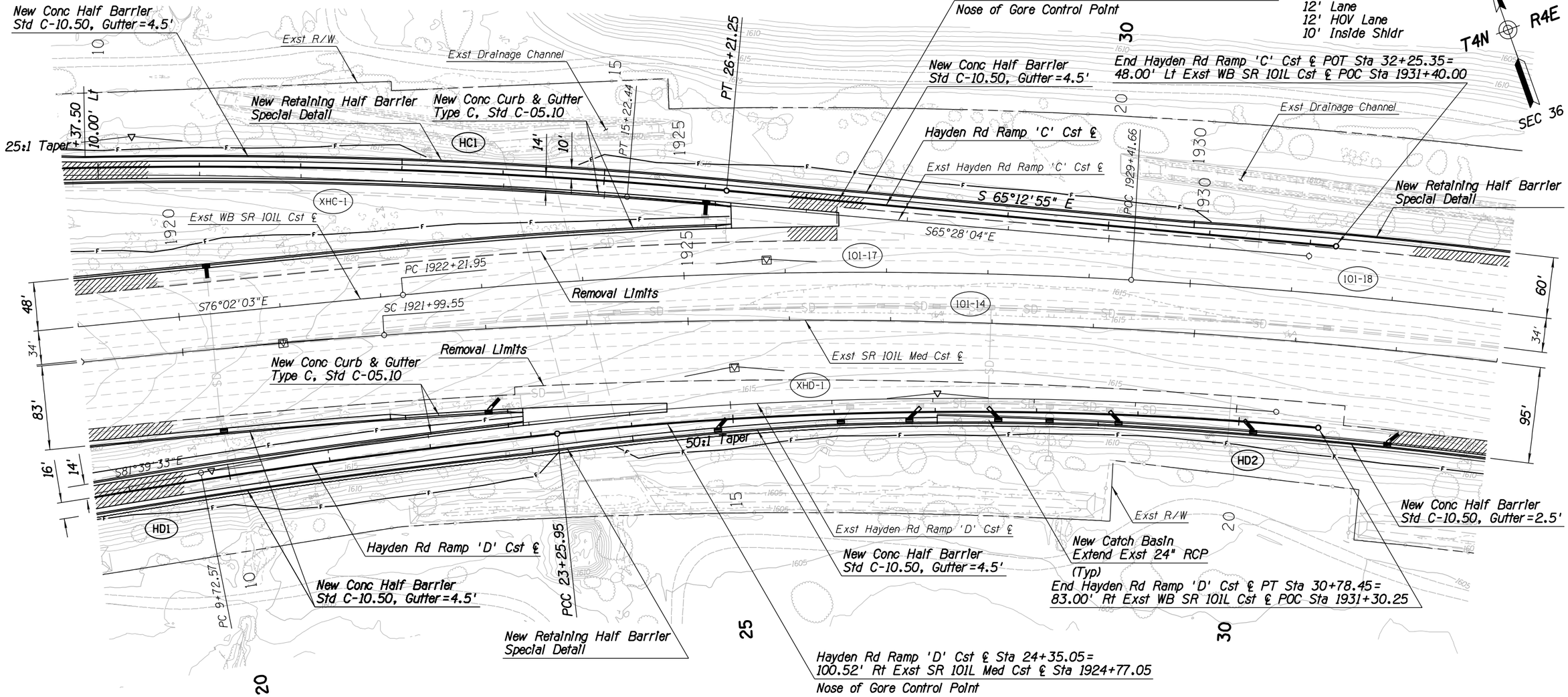
101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr



EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1919+00 to Sta 1933+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.174

___ OF ___

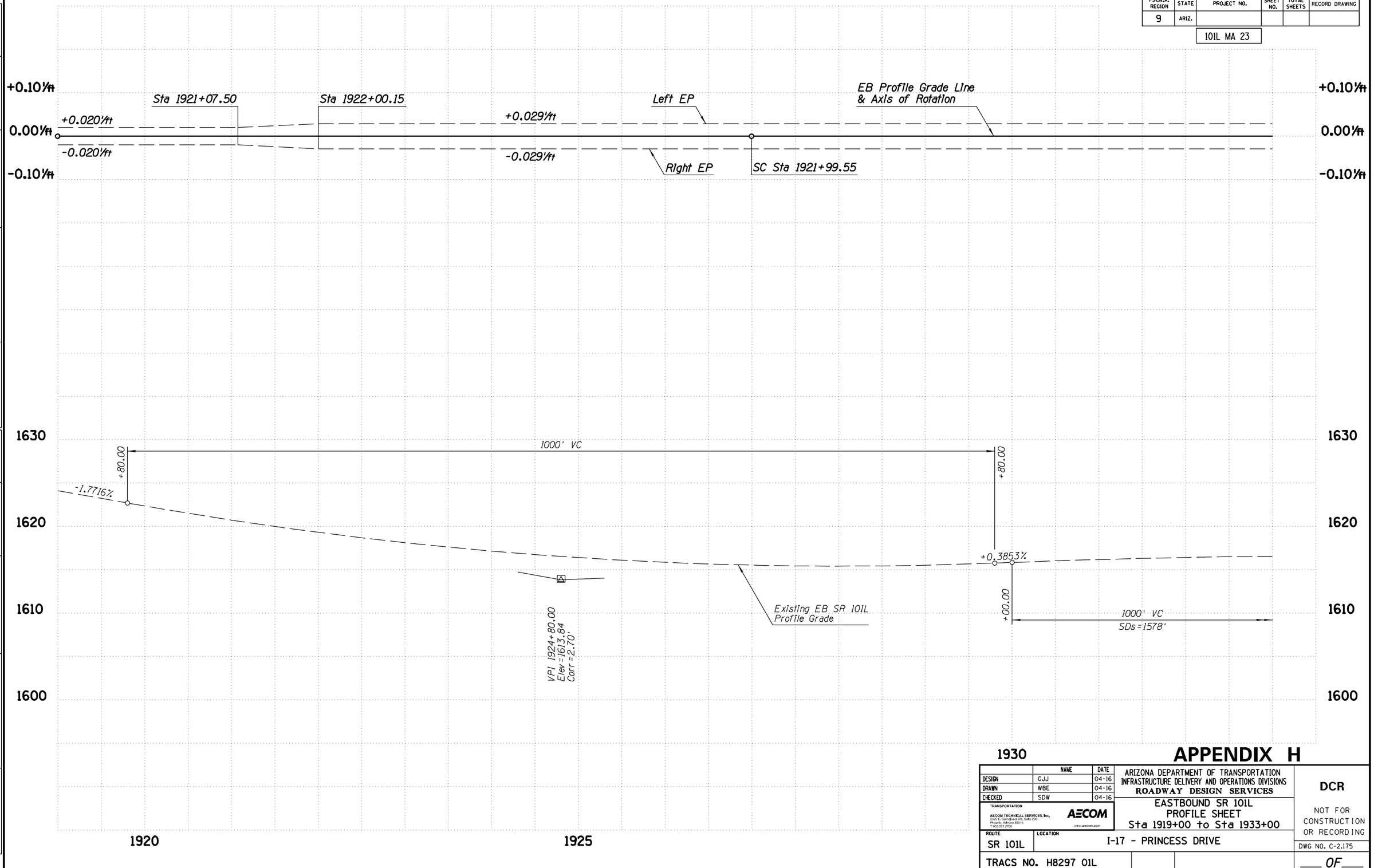
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297p48.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EASTBOUND SR 101L
PROFILE SHEET
Sta 1919+00 to Sta 1933+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

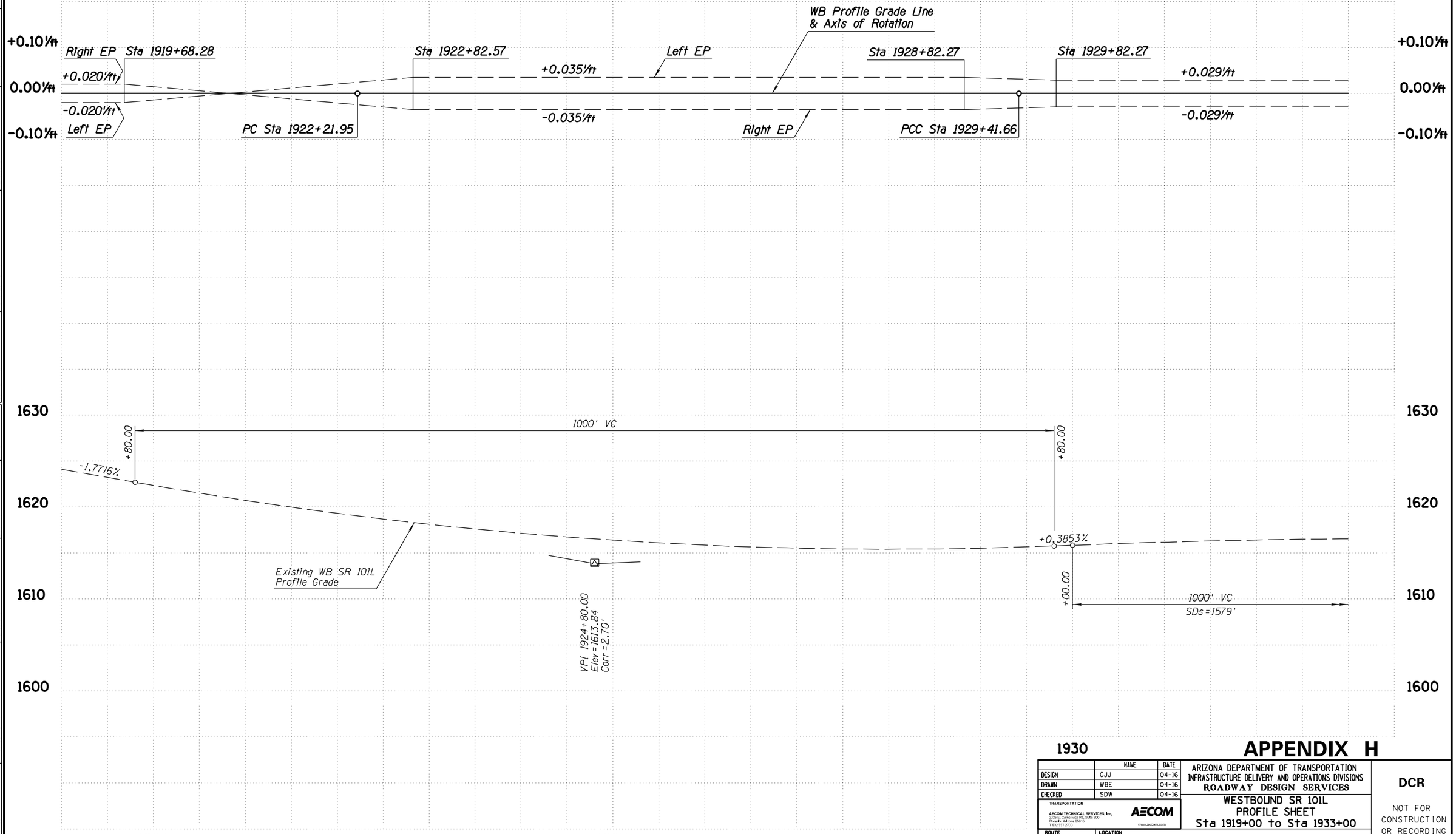
ROUTE	LOCATION	DWG NO. C-2.175
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v48.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

WESTBOUND SR 101L
PROFILE SHEET
Sta 1919+00 to Sta 1933+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

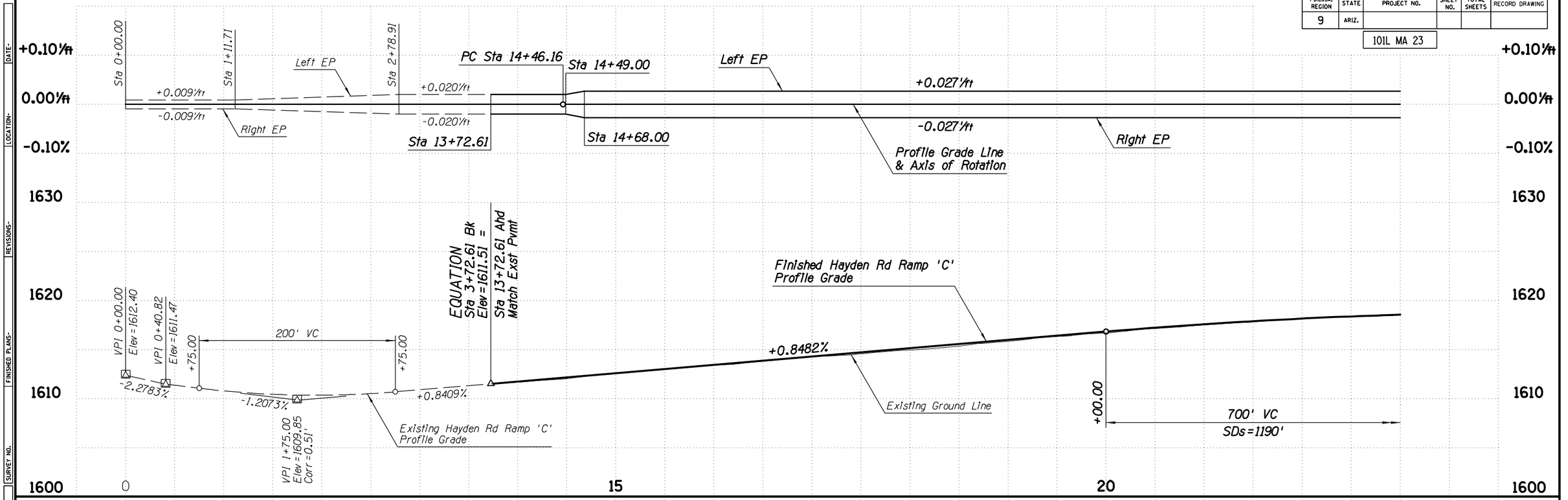
ROUTE	LOCATION	DWG NO. C-2.176
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

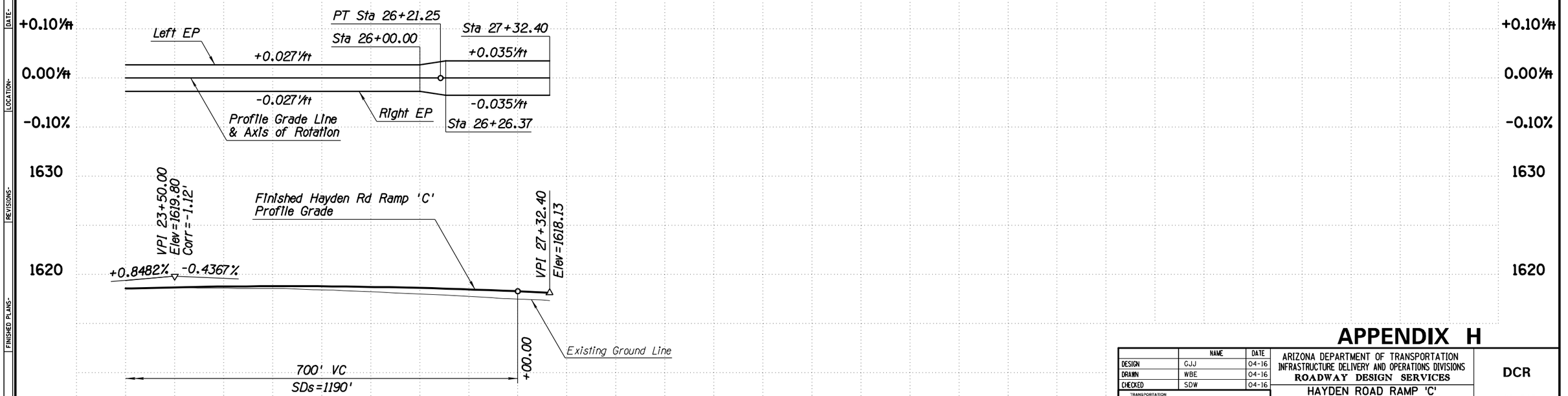
4/25/2016 U:\PIMA03\Prod\civ\h8297v58.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.





APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2325 E. Camelback Rd, Suite 300
Phoenix, Arizona 85016
T 602.337.2700
AECOM
www.aecom.com

HAYDEN ROAD RAMP 'C'
PROFILE SHEET
Sta 13+72.61 to Sta 27+32.40

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

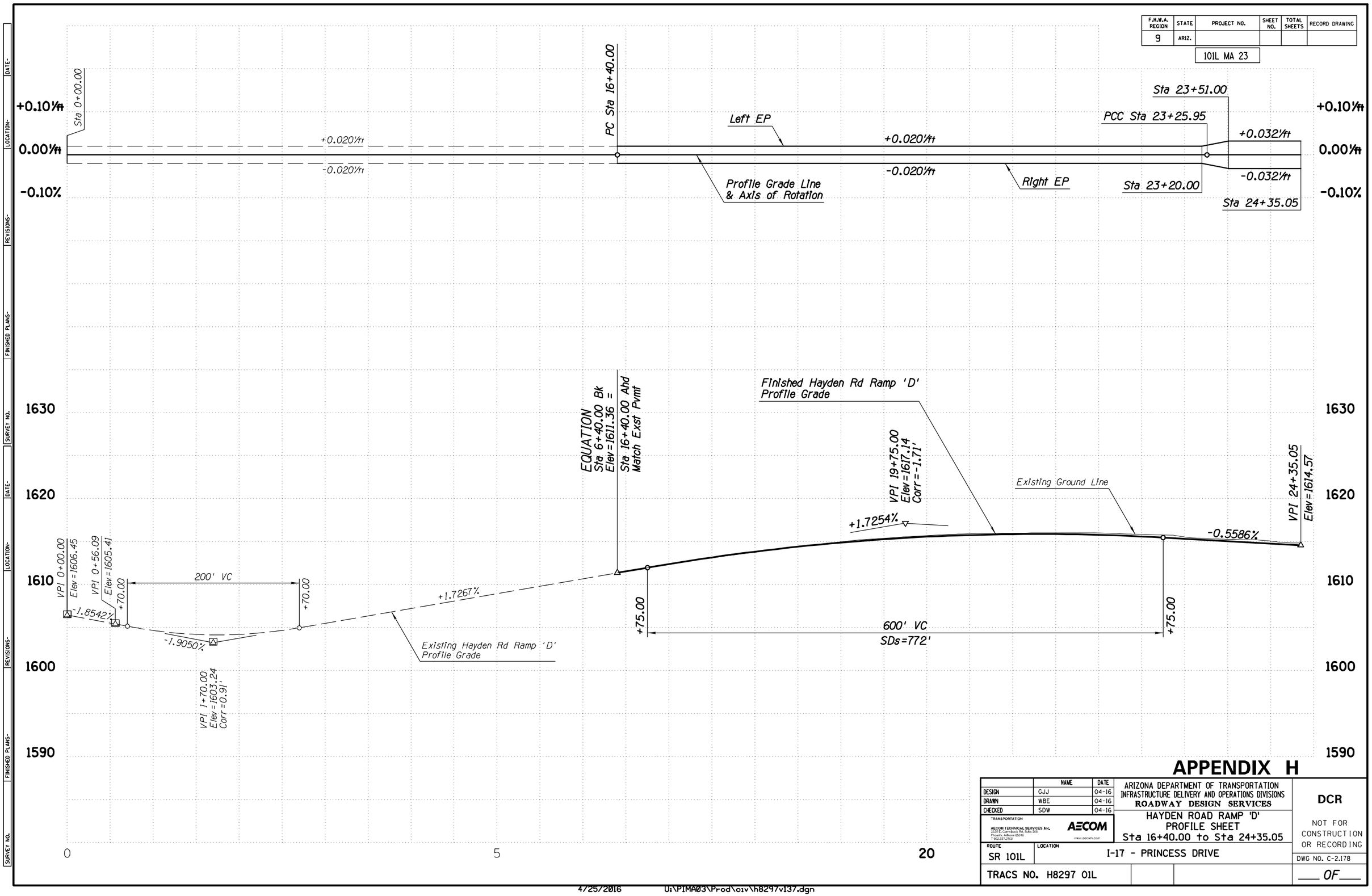
TRACS NO. H8297 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
DWG NO. C-2.177
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v136.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2325 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.337.2700
AECOM
www.aecom.com

HAYDEN ROAD RAMP 'D'
PROFILE SHEET
Sta 16+40.00 to Sta 24+35.05

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.178

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v137.dgn

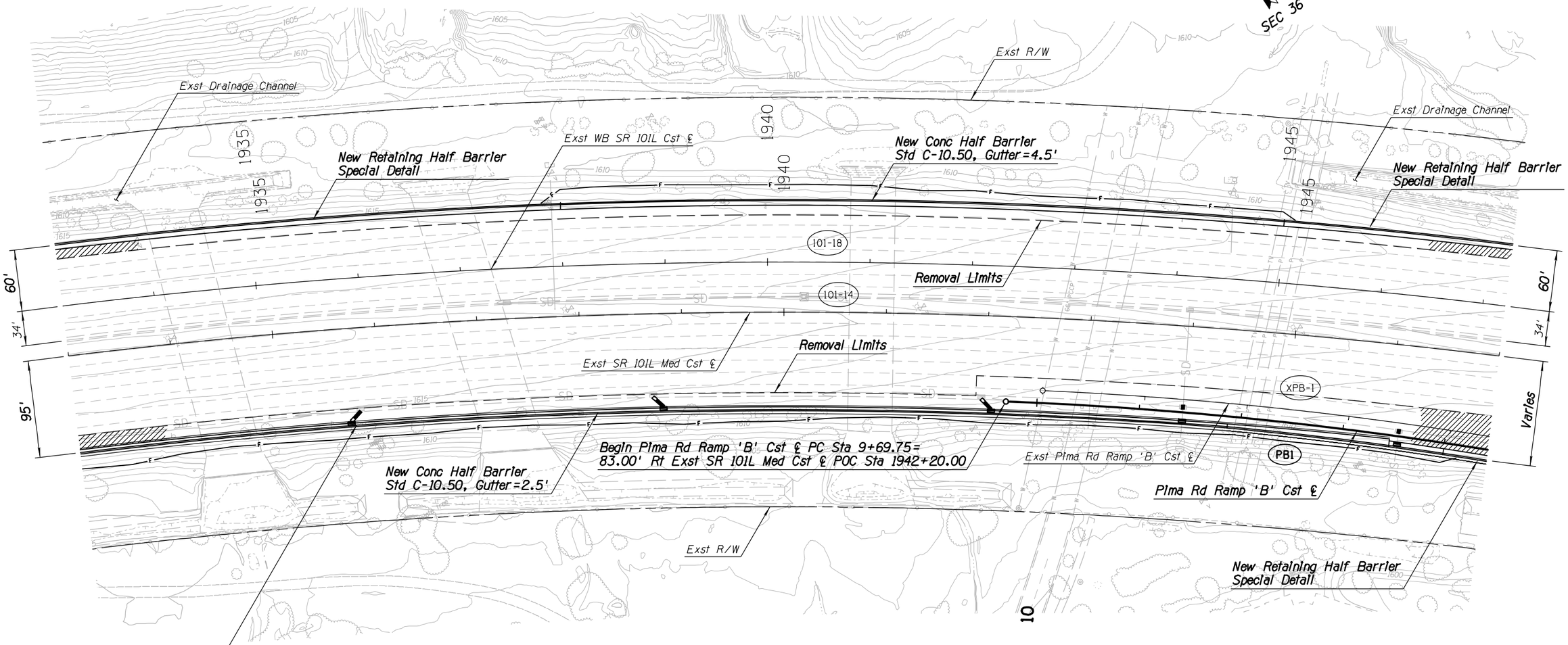
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION

12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr



EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Aux Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2020 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.337.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1933+00 to Sta 1947+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.179
TRACS NO. H8297 01L
___ OF ___

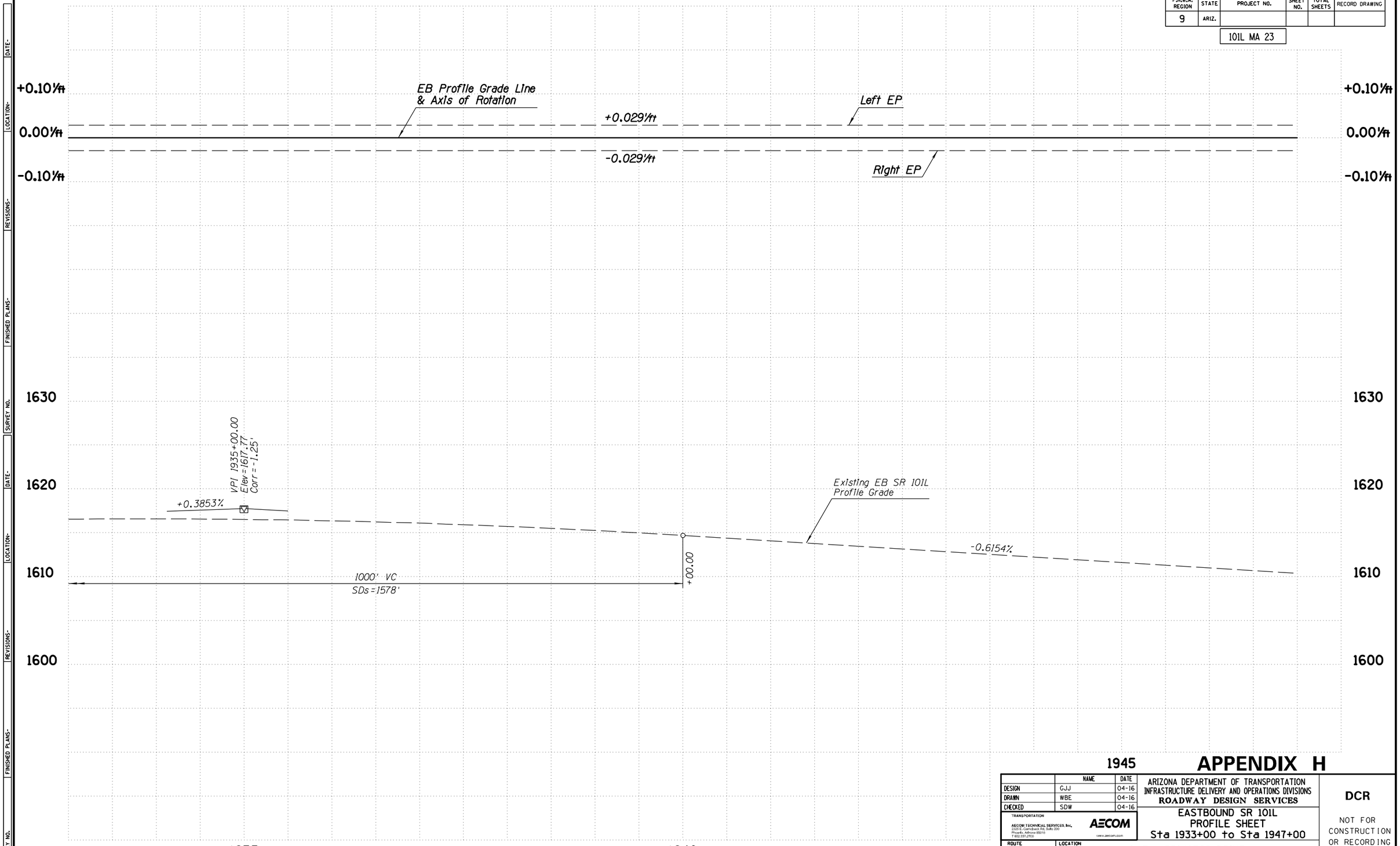
4/25/2016 U:\PIMA03\Prod\civ\h8297p49.dgn

DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION

AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.317.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EASTBOUND SR 101L
PROFILE SHEET
Sta 1933+00 to Sta 1947+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

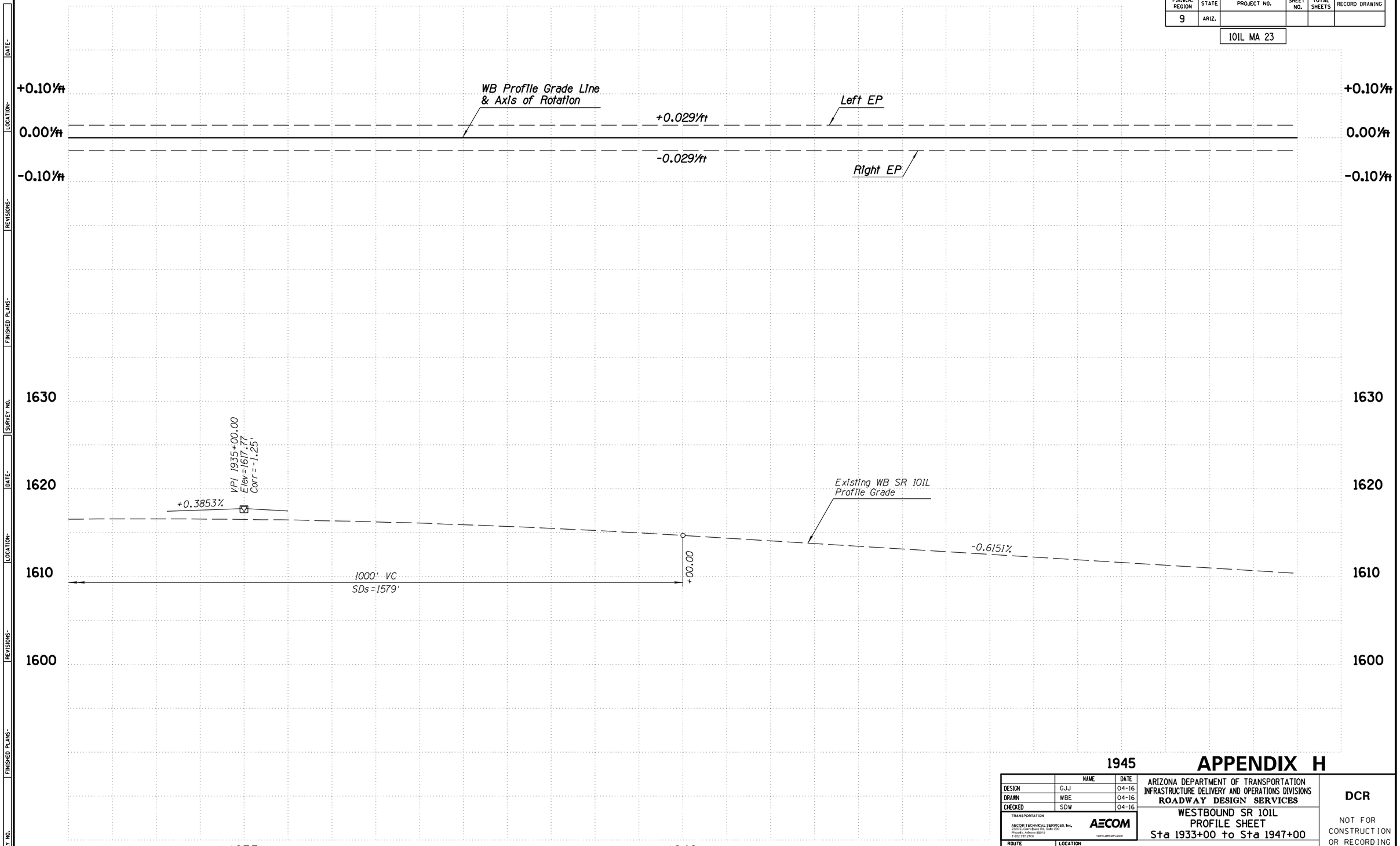
ROUTE	LOCATION	DWG NO. C-2.180
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v49.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.317.2700
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

WESTBOUND SR 101L
PROFILE SHEET
Sta 1933+00 to Sta 1947+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	C-2.181

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v59.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

WB ROADWAY SECTION
12' Outside Shldr
12' Aux Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

WB ROADWAY SECTION
12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

Pima Rd Ramp 'A' Cst ℄ Sta 14+25.03 =
65.54' Lt Exst WB SR 101L Cst ℄ Sta 1952+72.75
Nose of Gore Control Point

Begin Pima Rd Ramp 'A' Cst ℄ POT Sta 9+72.66 =
48.00' Lt Exst WB SR 101L Med Cst ℄ POC Sta 1948+25.00

Exst Drainage Channel
Exst R/W
Exst WB SR 101L Cst ℄
Pima Rd Ramp 'A' Cst ℄
Exst Pima Rd Ramp 'A' Cst ℄
S 48°30'29" E
50:1 Taper
S48°15'46"E
New Conc Curb & Gutter
Type C, Std C-05.10
New Conc Half Barrier
Std C-10.50, Gutter=4.5'
PC 19+77.66
PC 10+42.59
PA1
XPA-1
101-18
101-14
Removal Limits
New Retaining Half Barrier
Special Detail
Exst SR 101L Med Cst ℄
New Conc Curb & Gutter
Type C, Std C-05.10
+50.00 Lt
14.00'
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
25:1 Taper
S30°41'26"E
+50.00 Lt
26.00'
PB1
XPB-1
PB2
14'
10'
+00.00 Rt
10.00'
PCC 22+00.46
Exst R/W
PT 15+51.95
New Conc Half Barrier
Std C-10.50, Gutter=4.5'
+50.00 Rt
28.00'
New Conc Curb & Gutter
Type C, Std C-05.10
Exst Pima Rd Ramp 'B' Cst ℄
Varies
60'
34'
48'
34'
83'
New Catch Basin
New 24" RCP
(Typ)
Pima Rd Ramp 'B' Cst ℄ Sta 16+99.38 =
105.52' Rt Exst SR 101L Med Cst ℄ Sta 1949+60.87
Nose of Gore Control Point
New Retaining Half Barrier
Special Detail
T4N
R4E
SEC 36

EB ROADWAY SECTION
10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1947+00 to Sta 1961+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
DWG NO. C-2.182
___ OF ___

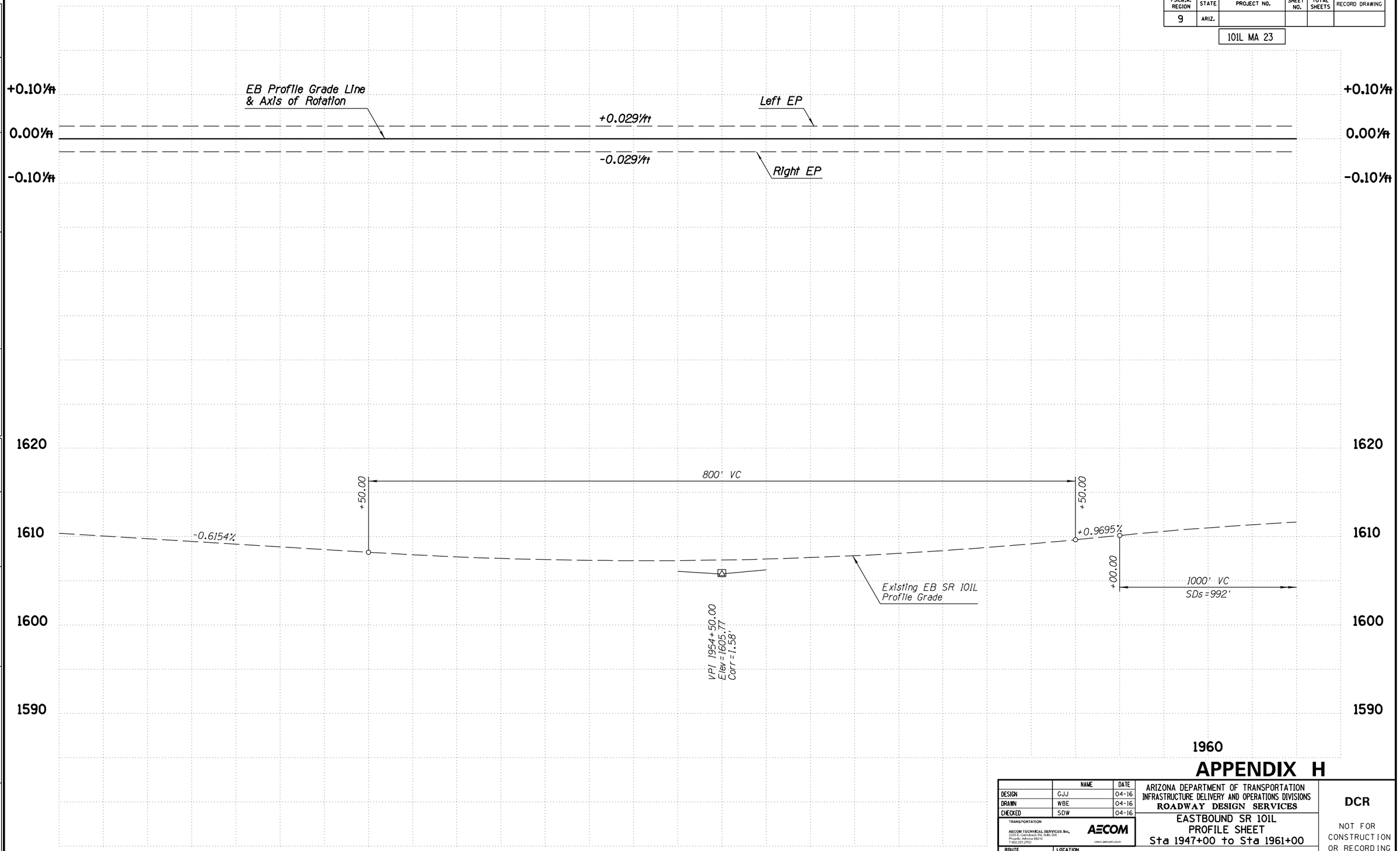
SURVEY NO. | FINISHED PLANS | REVISIONS | LOCATION | DATE

4/25/2016 U:\PIMA03\Prod\civ\h8297p50.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
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AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EASTBOUND SR 101L
PROFILE SHEET
Sta 1947+00 to Sta 1961+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.183

TRACS NO. H8297 01L

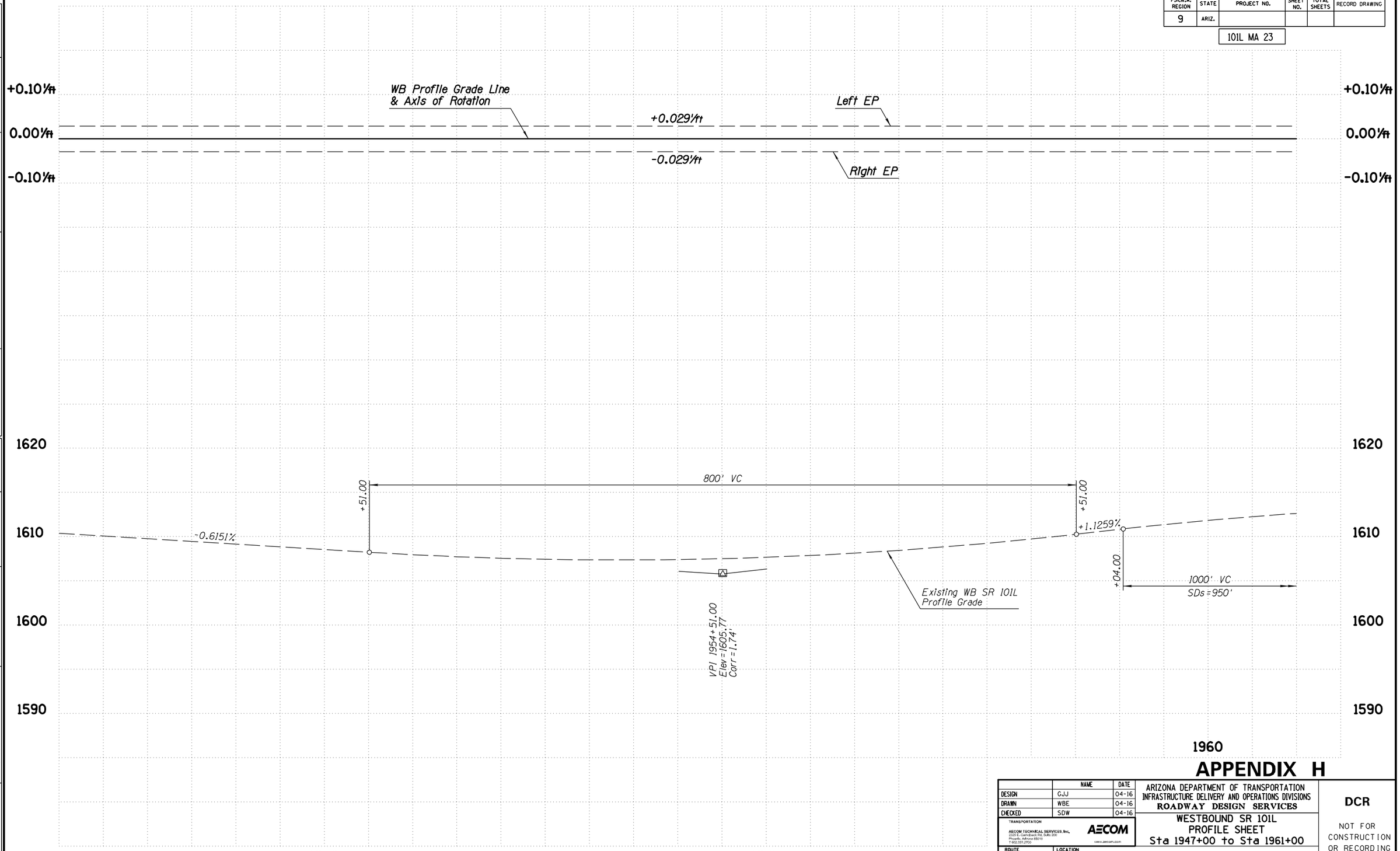
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v50.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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2555 E. Camelback Rd, Suite 200
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T 602.371.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

WESTBOUND SR 101L
PROFILE SHEET
Sta 1947+00 to Sta 1961+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.184

TRACS NO. H8297 01L

___ OF ___

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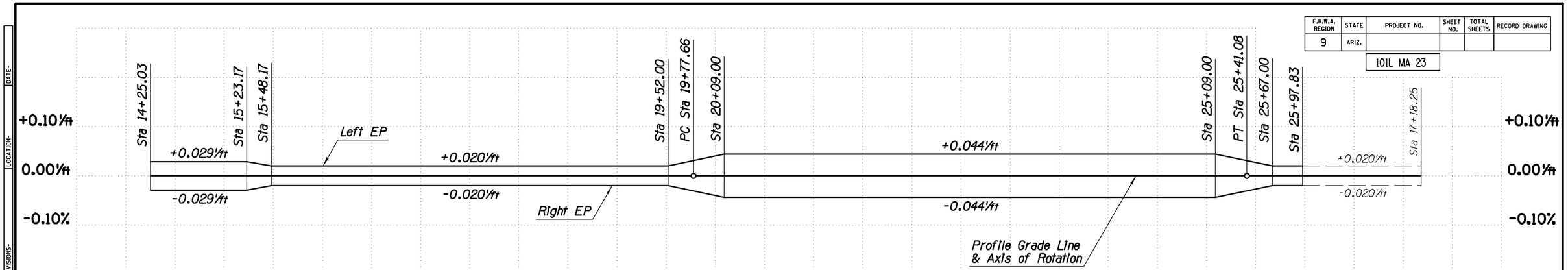
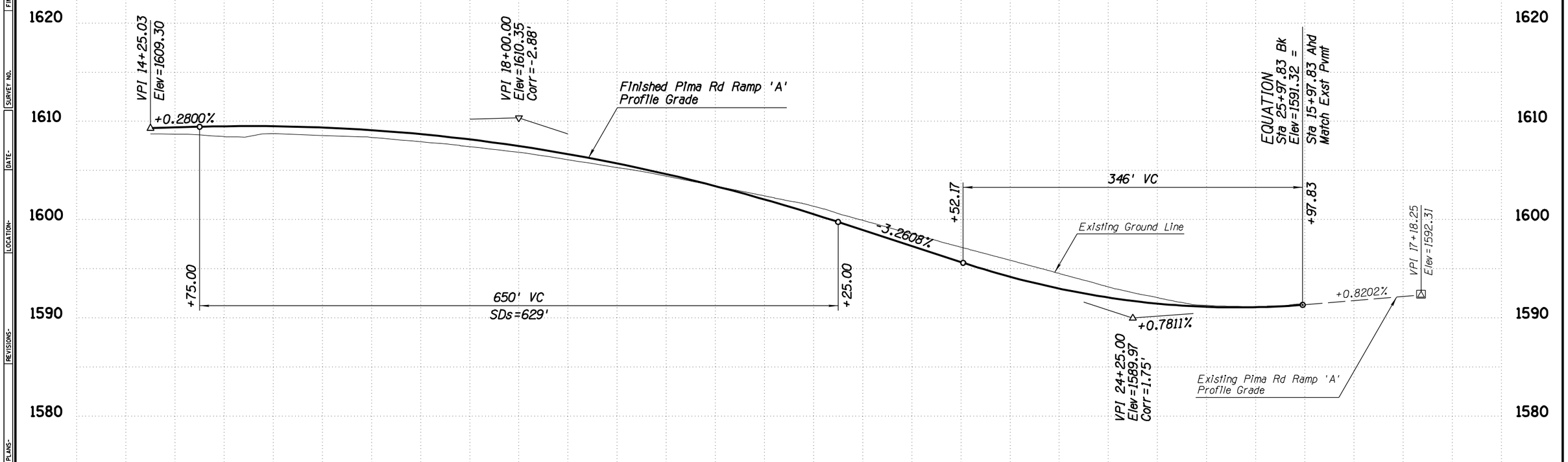
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23





15 20 25

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2325 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.337.2700
AECOM
www.aecom.com

PIMA ROAD RAMP 'A'
PROFILE SHEET
Sta 14+25.03 to Sta 25+97.83

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

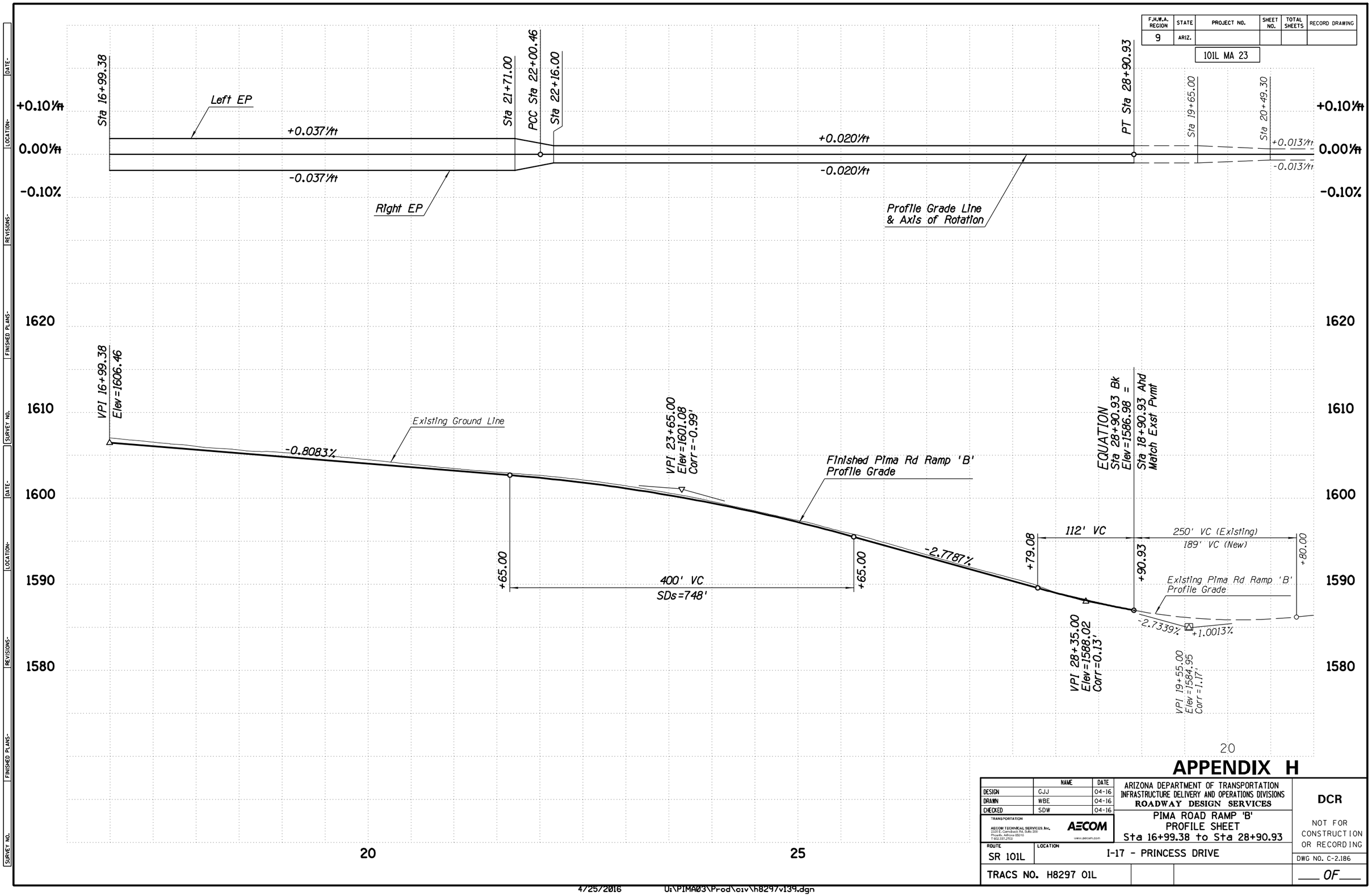
DWG NO. C-2.185

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v138.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
3200 E. Camelback Rd, Suite 200
Phoenix, Arizona 85018
T 602.371.2900
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

PIMA ROAD RAMP 'B'
PROFILE SHEET
Sta 16+99.38 to Sta 28+90.93

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
SR 101L	I-17 - PRINCESS DRIVE

DWG NO. C-2.186

TRACS NO. H8297 01L

___ OF ___

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/25/2016 U:\PIMA03\Prod\civ\h8297v139.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

WB ROADWAY SECTION

12' Outside Shldr
12' Lane
12' Lane
12' Lane
12' Lane
12' HOV Lane
10' Inside Shldr

End Pima Rd Ramp 'A' Cst ℄ POT Sta 25+97.83=
0.00' Rt Exst Pima Rd Ramp 'A' Cst ℄ PT Sta 15+97.83

PT 25+41.08
PT 15+97.83
S58°23'40"W
PI 36+92.91
Exst R/W
Pima Rd Ramp 'A' Cst ℄
14'
16'
PA1
14'
S 48°30'29" E
S31°36'20"E
XPA-1
New Conc Curb & Gutter
Type C, Std C-05.10
Exst Pima Rd Ramp 'A' Cst ℄
S58°23'40"W
New Conc Half Barrier
Std C-10.50, Gutter=4.5'
Future GPL Edge
(By Adjoining Project)
Exst WB SR 101L Cst ℄
+00.00
48.00' Lt
Removal Limits
48'
34'
PI 40+00.00
EQUATION
PI Sta 1966+64.53 Bk =
PI Sta 2084+22.18 Ahd
101-18
101-14
Removal Limits
+00.00
83.00' Rt
83'
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
Exst SR 101L Med Cst ℄
Future GPL Edge
(By Adjoining Project)
Pima Rd Ramp 'B' Cst ℄
Exst Pima Rd Cst ℄
26'
S30°41'26"E
PB2
Exst Pima Rd Ramp 'B' Cst ℄
28'
Exst R/W
Exst R/W
New Conc Half Barrier
Std C-10.50, Gutter=4.5'
End Pima Rd Ramp 'B' Cst ℄ PT Sta 28+90.83=
0.00' Rt Exst Pima Rd Ramp 'B' Cst ℄ POT Sta 18+90.83
New Conc Curb & Gutter
Type C, Std C-05.10
S58°23'40"W

N
R4E
T4N
SEC 36

EB ROADWAY SECTION

10' Inside Shldr
12' HOV Lane
12' Lane
12' Lane
12' Lane
12' Lane
12' Outside Shldr

45

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2325 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.337.2700
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

SR 101L MAINLINE
PLAN SHEET
Sta 1961+00 to Sta 1975+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.187

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

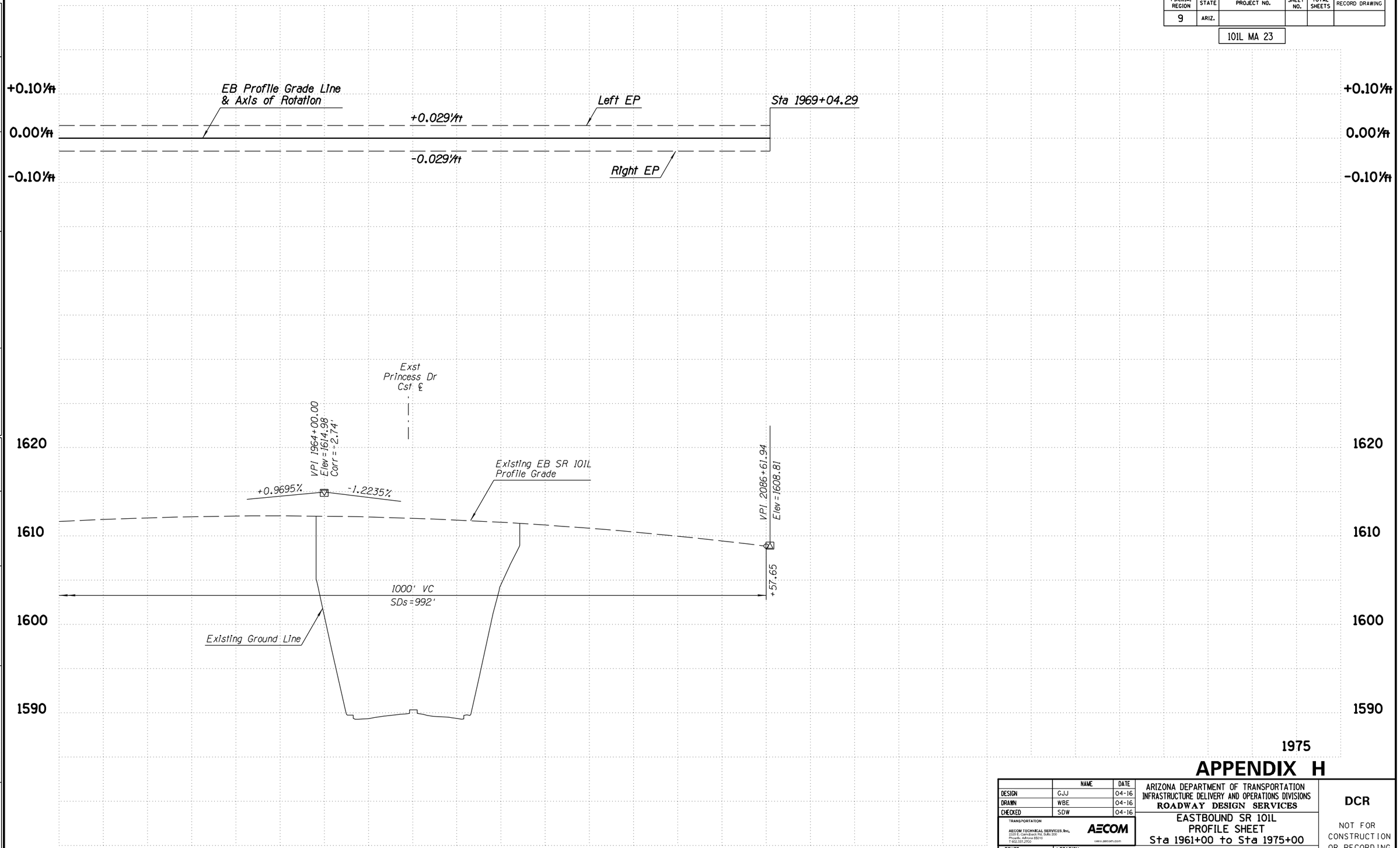
___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297p51.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE-
LOCATION-
REVISIONS-
FINISHED PLANS-
SURVEY NO.



APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2505 E. Camelback Rd, Suite 300
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T 602.337.2700
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

EASTBOUND SR 101L
PROFILE SHEET
Sta 1961+00 to Sta 1975+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. C-2.188

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v51.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.

+0.10%ft
0.00%ft
-0.10%ft

WB Profile Grade Line & Axis of Rotation
+0.029%ft
Left EP
Sta 1970+00.00
-0.029%ft
Right EP

Exst Princess Dr Cst ℄

VPI 1964+04.00
Elev=1616.50
Corr=-2.99'

+1.1259%

Existing WB SR 101L Profile Grade

-1.2634%

WB VPI 1970+00.00
Elev=1608.97

+04.00

1000' VC
SDs=950'

Existing Ground Line

1620
1610
1600
1590

1965
1970
1975

APPENDIX H

	NAME	DATE
DESIGN	GJJ	04-16
DRAWN	WBE	04-16
CHECKED	SDW	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
ROADWAY DESIGN SERVICES

WESTBOUND SR 101L
PROFILE SHEET
Sta 1961+00 to Sta 1975+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. C-2.189

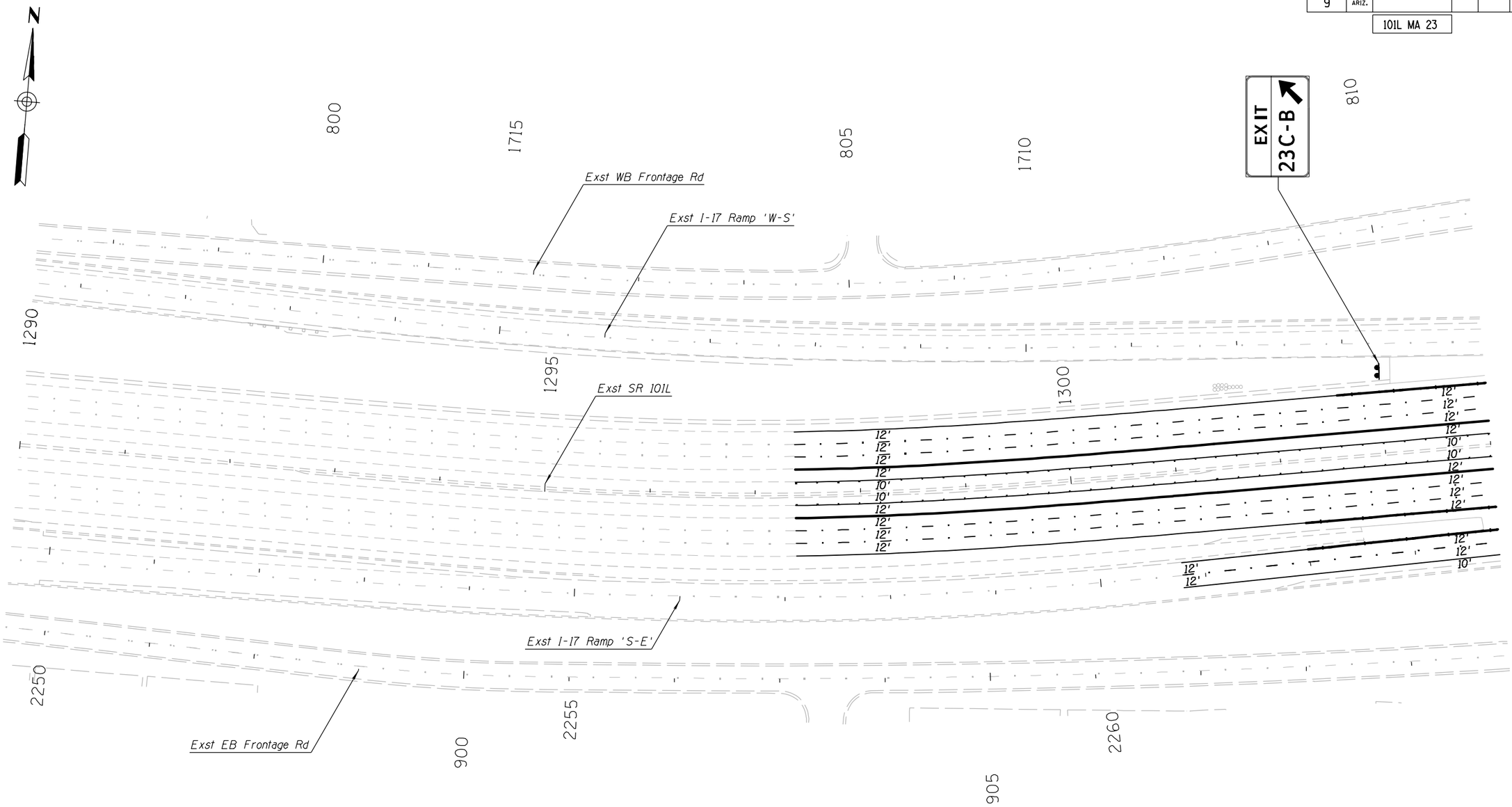
TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\civ\h8297v61.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION

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AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1290+00 to Sta 1304+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.01
___ OF ___

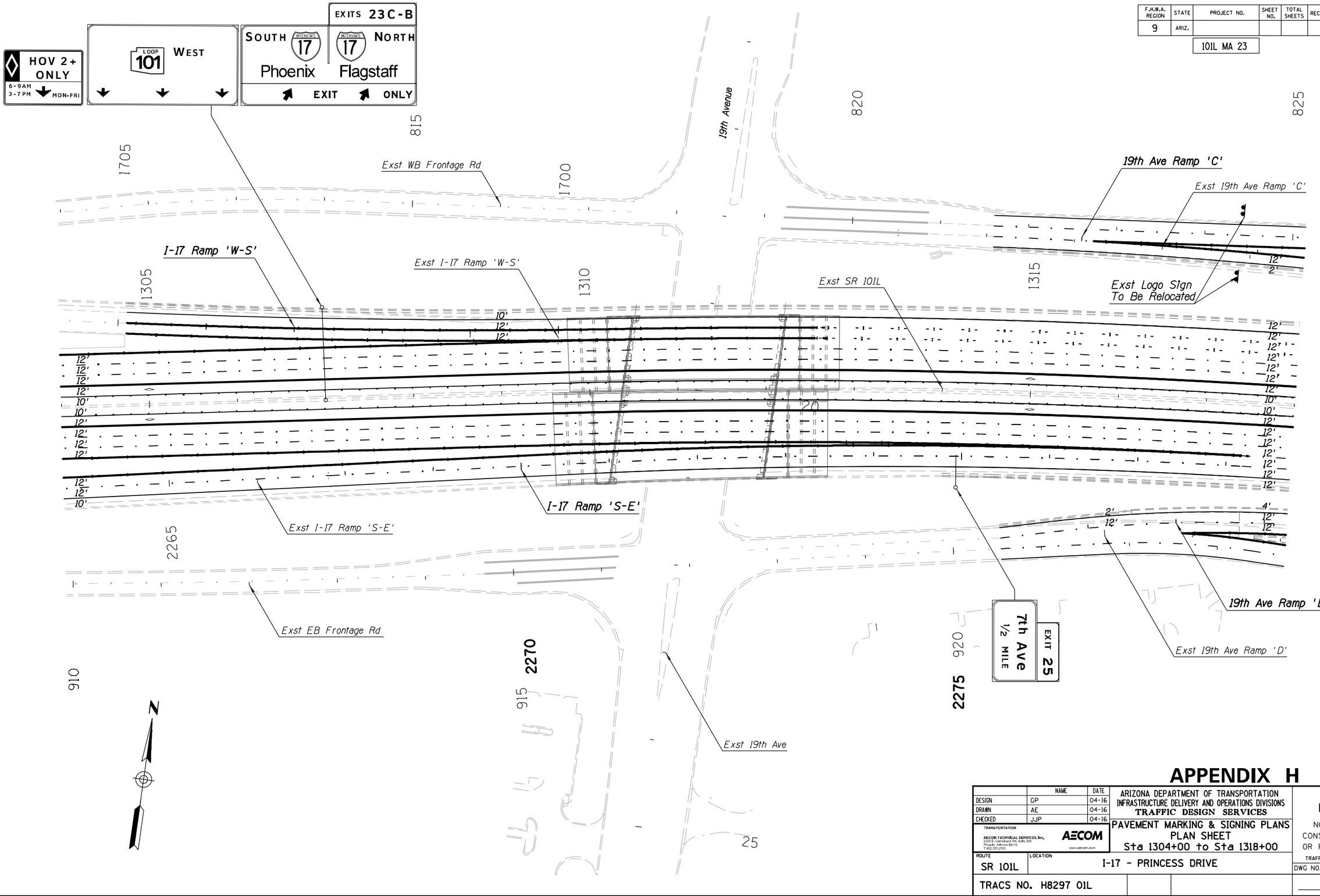
NO. | DESCRIPTION OF REVISION | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\tra\t8297p01.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION

AECOM TECHNICAL SERVICES, Inc.
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www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1304+00 to Sta 1318+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-1.02

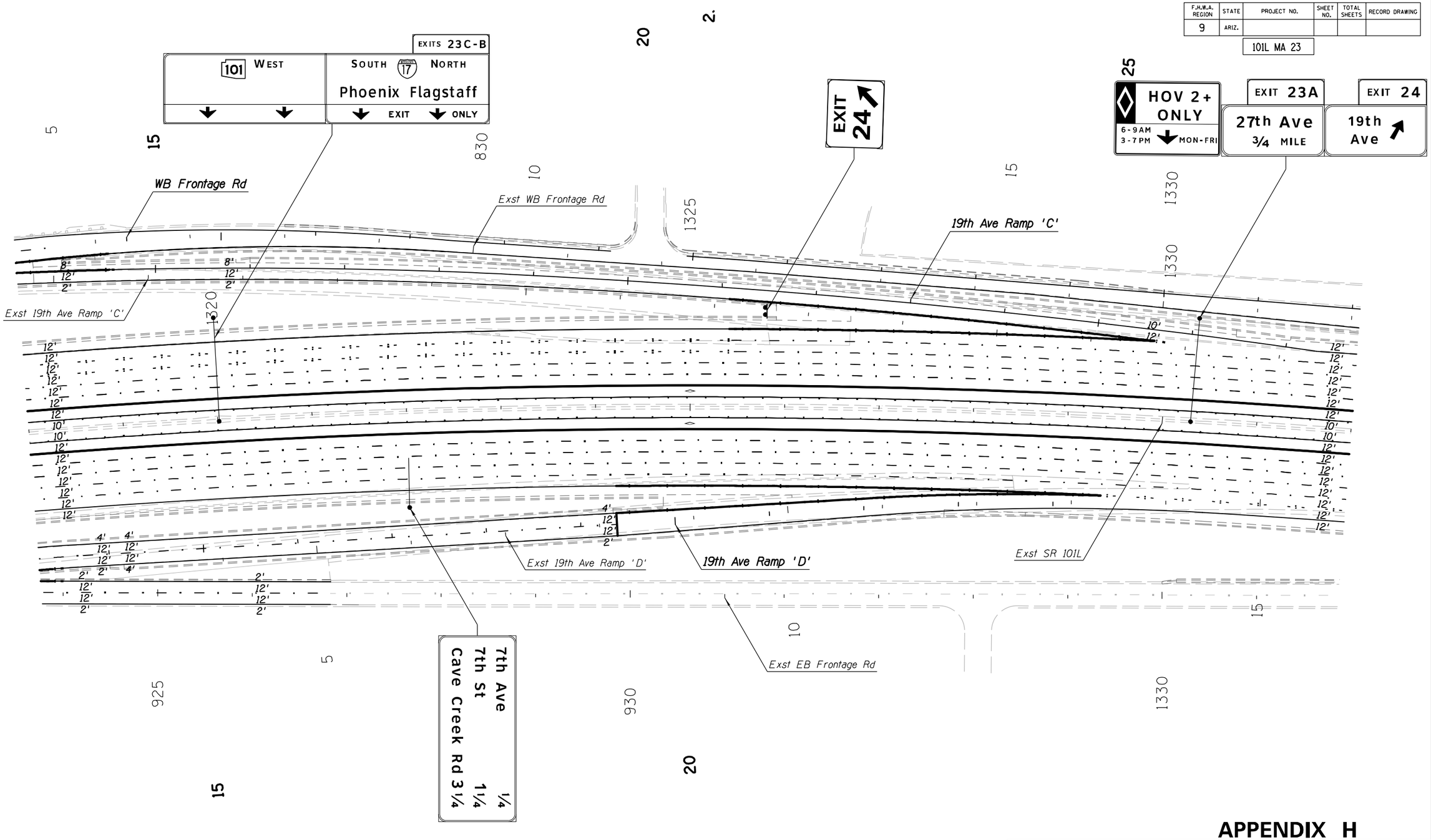
TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p02.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2325 E. Camelback Rd, Suite 200
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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1318+00 to Sta 1332+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-1.03

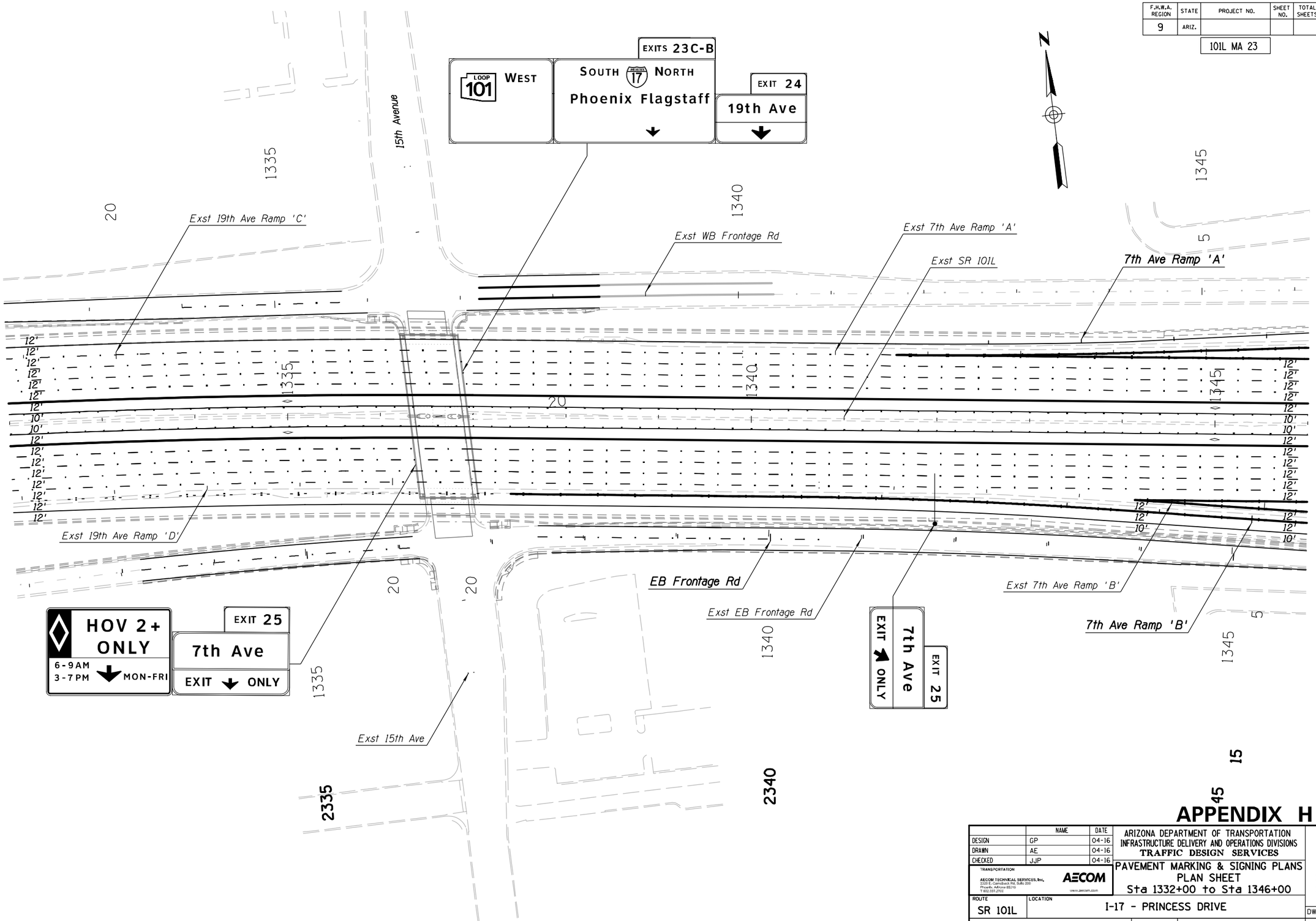
TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p03.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION
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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1332+00 to Sta 1346+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-1.04

TRACS NO. H8297 01L

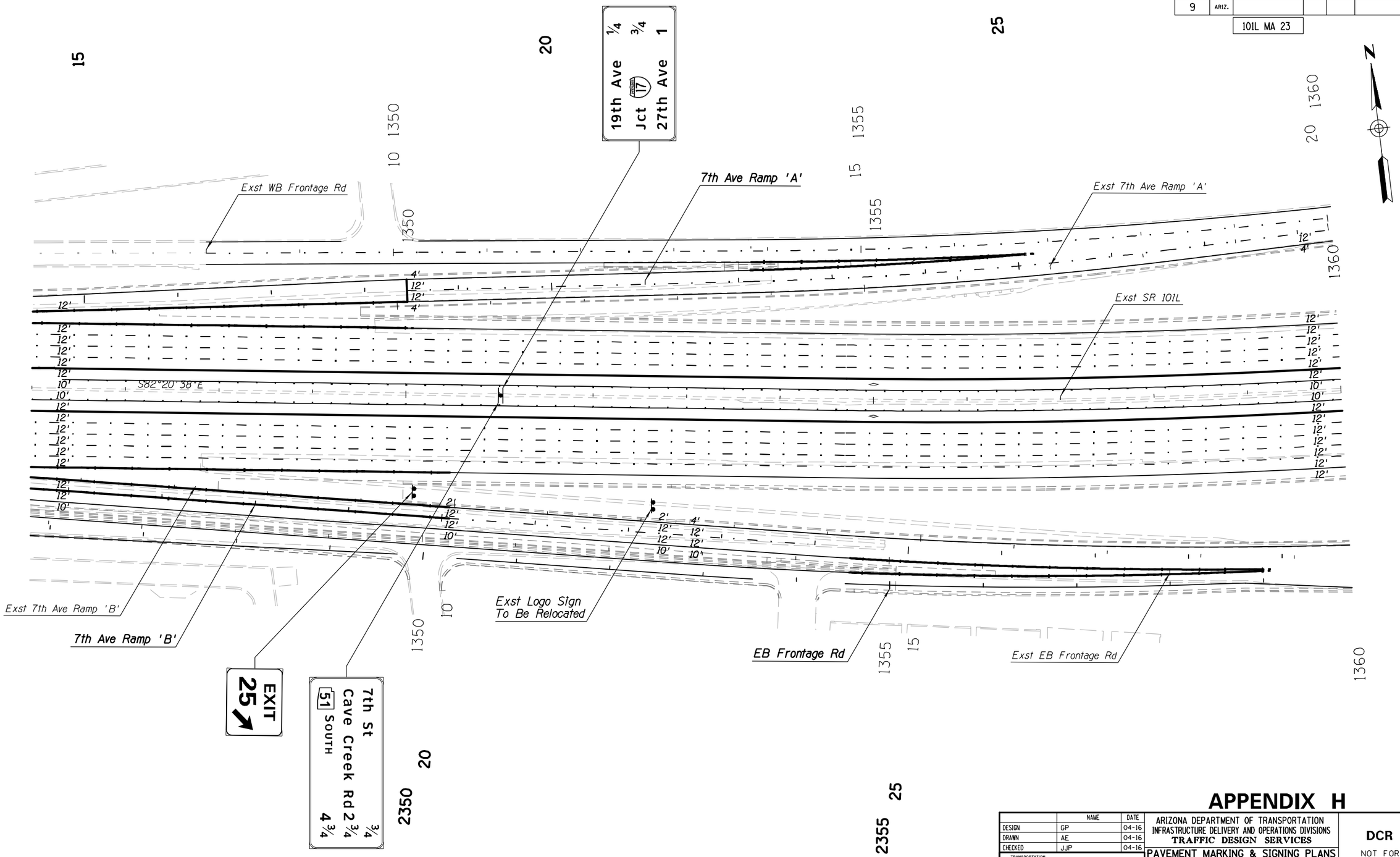
___ OF ___

NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\tra\t8297p04.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1346+00 to Sta 1360+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-1.05

TRACS NO. H8297 01L

___ OF ___

NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\tra\t8297p05.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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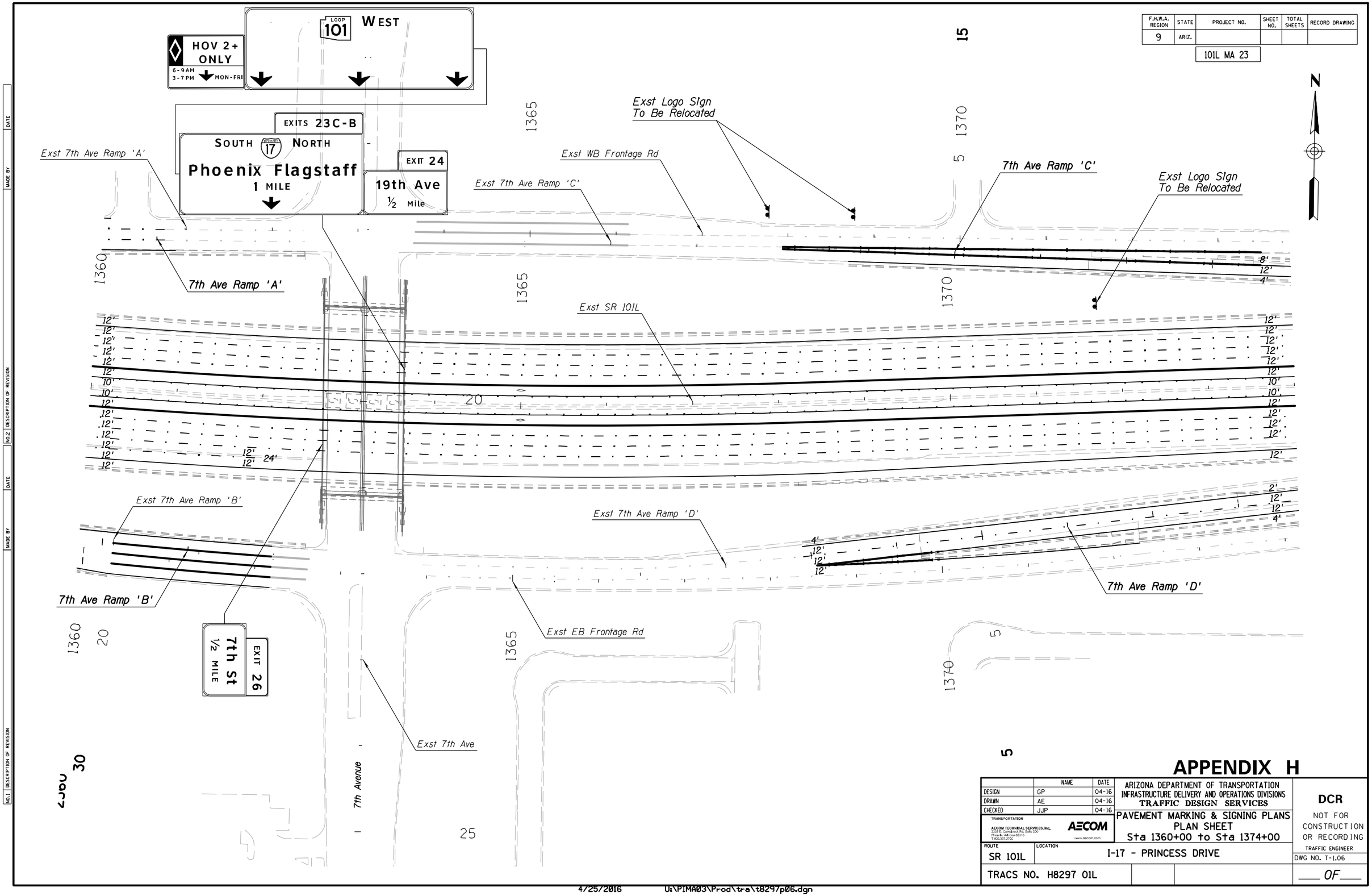
101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION
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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1360+00 to Sta 1374+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-1.06

TRACS NO. H8297 01L

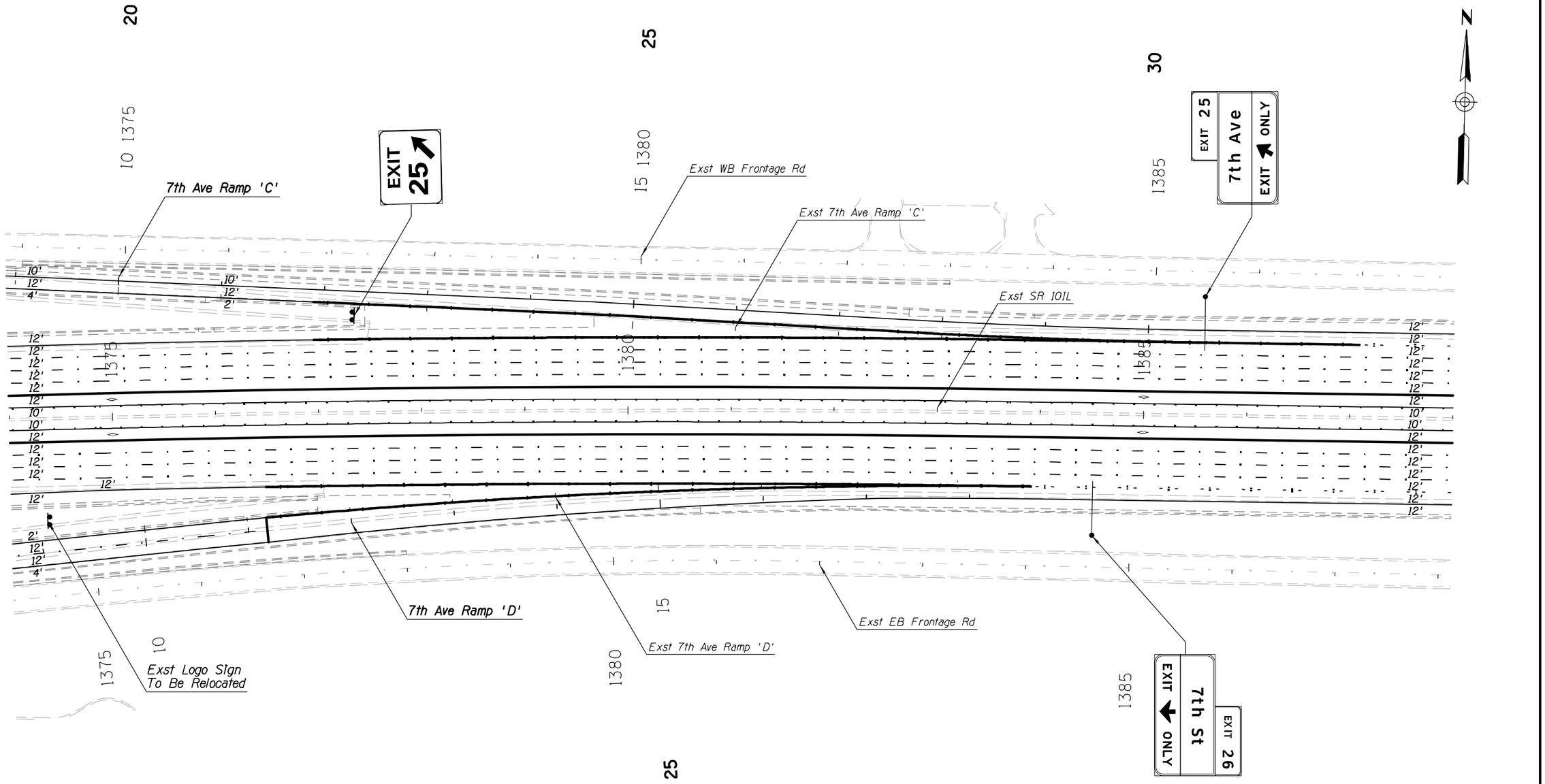
___ OF ___

NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\tra\t8297p06.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION

AECOM TECHNICAL SERVICES, Inc.
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1374+00 to Sta 1388+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

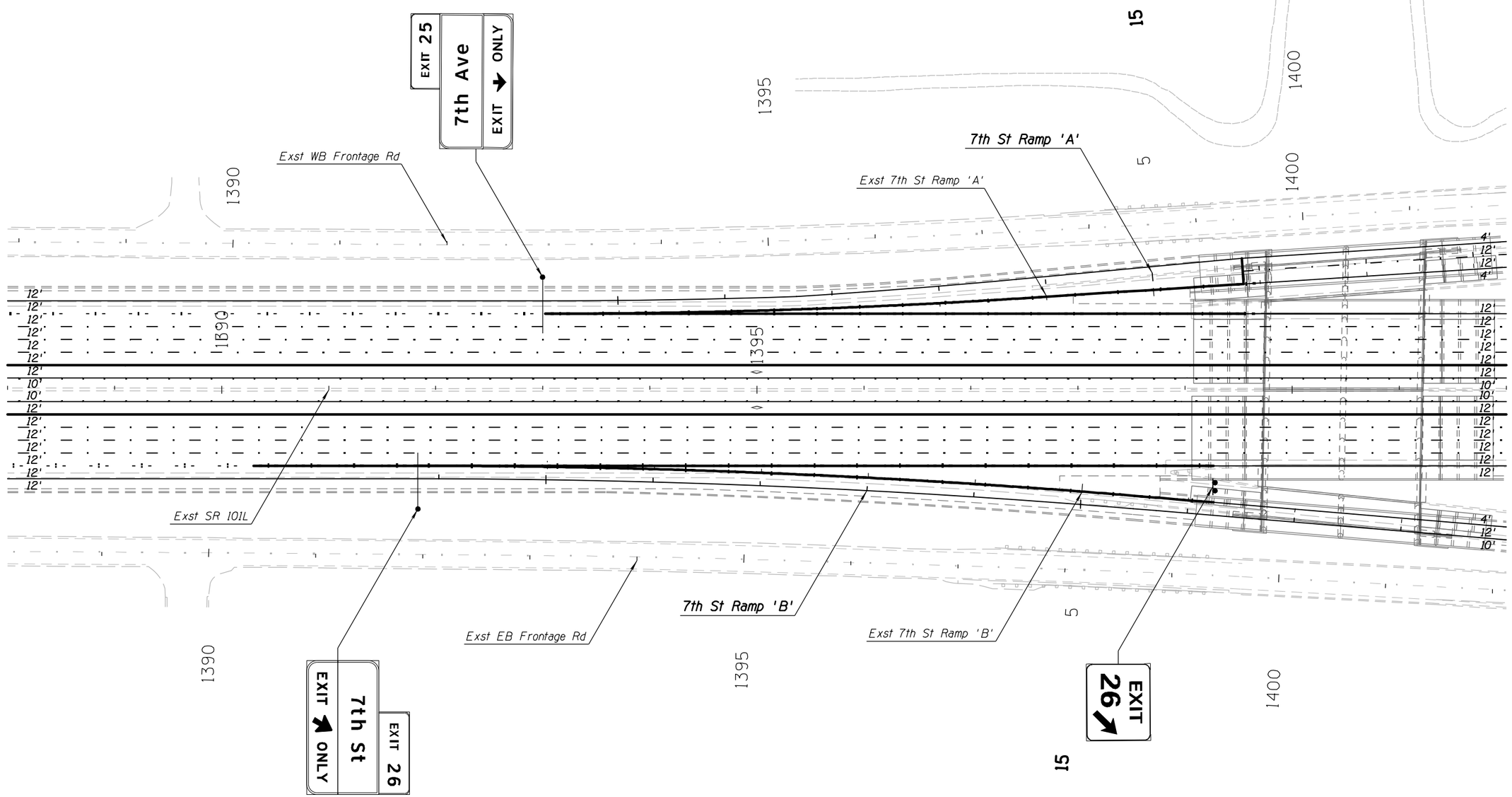
DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.07
___ OF ___

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
NO.1			
NO.2			

4/25/2016 U:\PIMA03\Prod\t-a\t8297p07.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1388+00 to Sta 1402+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.08
___ OF ___

4/25/2016 U:\PIMA03\Prod\t-a\t8297p08.dgn

NO. | DESCRIPTION OF REVISION | MADE BY | DATE

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

N

7th Ave 1/2
19th Ave 1 1/2
Jct 17 1 3/4

Exst 7th St

7th St Ramp 'A'

Exst Logo Sign
To Be Relocated

Exst 7th St Ramp 'A'

Exst WB Frontage Rd

Exst Logo Sign
To Be Relocated

Exst SR 101L

Exst Logo Sign
To Be Relocated

7th Street

7th St Ramp 'B'

Exst 7th St Ramp 'B'

Exst EB Frontage Rd

Cave Creek Rd 1 3/4
51 SOUTH
Tatum Blvd 3 3/4
5

1405 1410 1415

10 15 20

4' 12' 12' 4'

12' 10'

APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2520 E. Camelback Rd. Suite 700
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T 602.131.2100
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1402+00 to Sta 1416+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-1.09

TRACS NO. H8297 01L

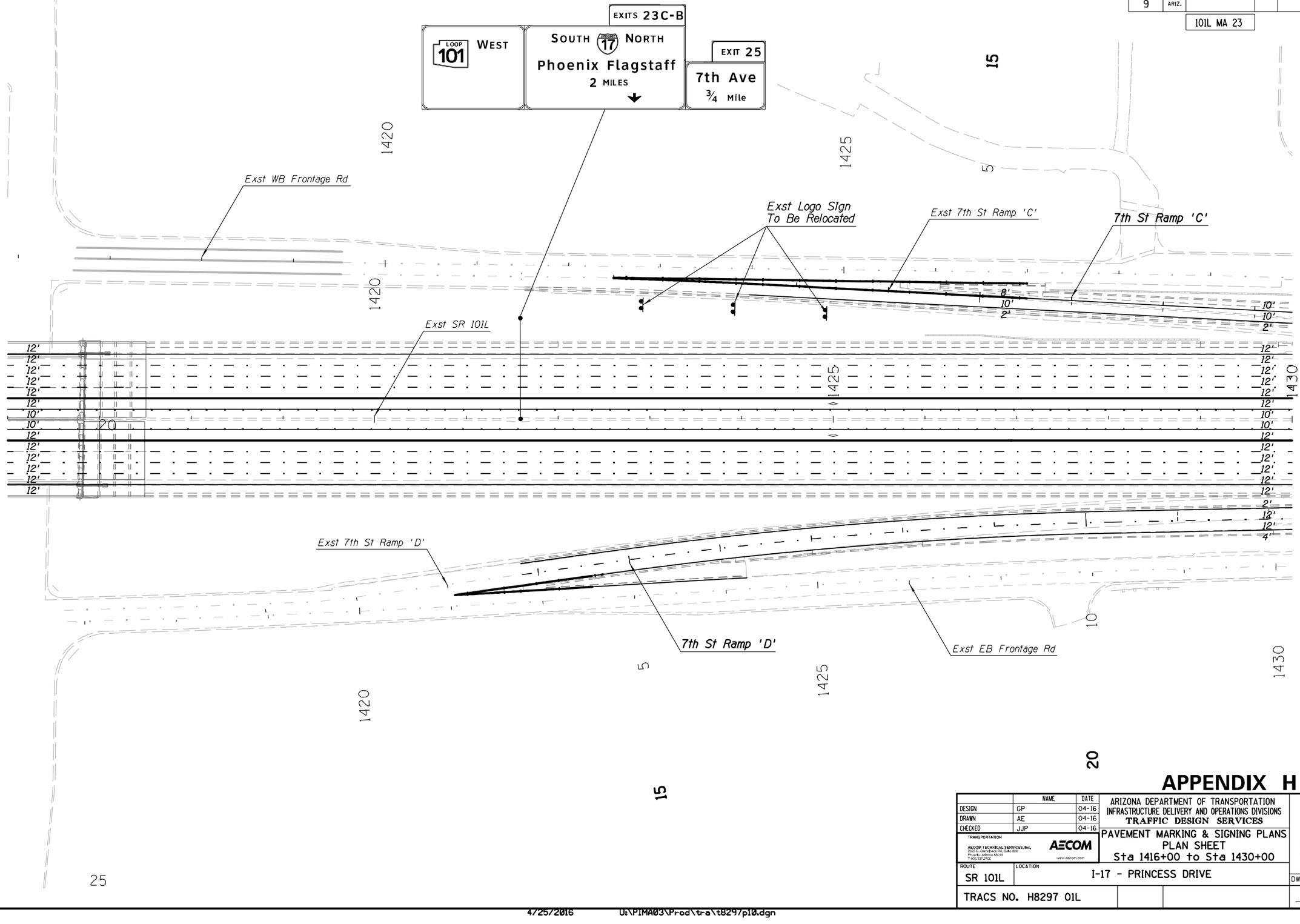
___ OF ___

NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\tra\t8297p09.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION
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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1416+00 to Sta 1430+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

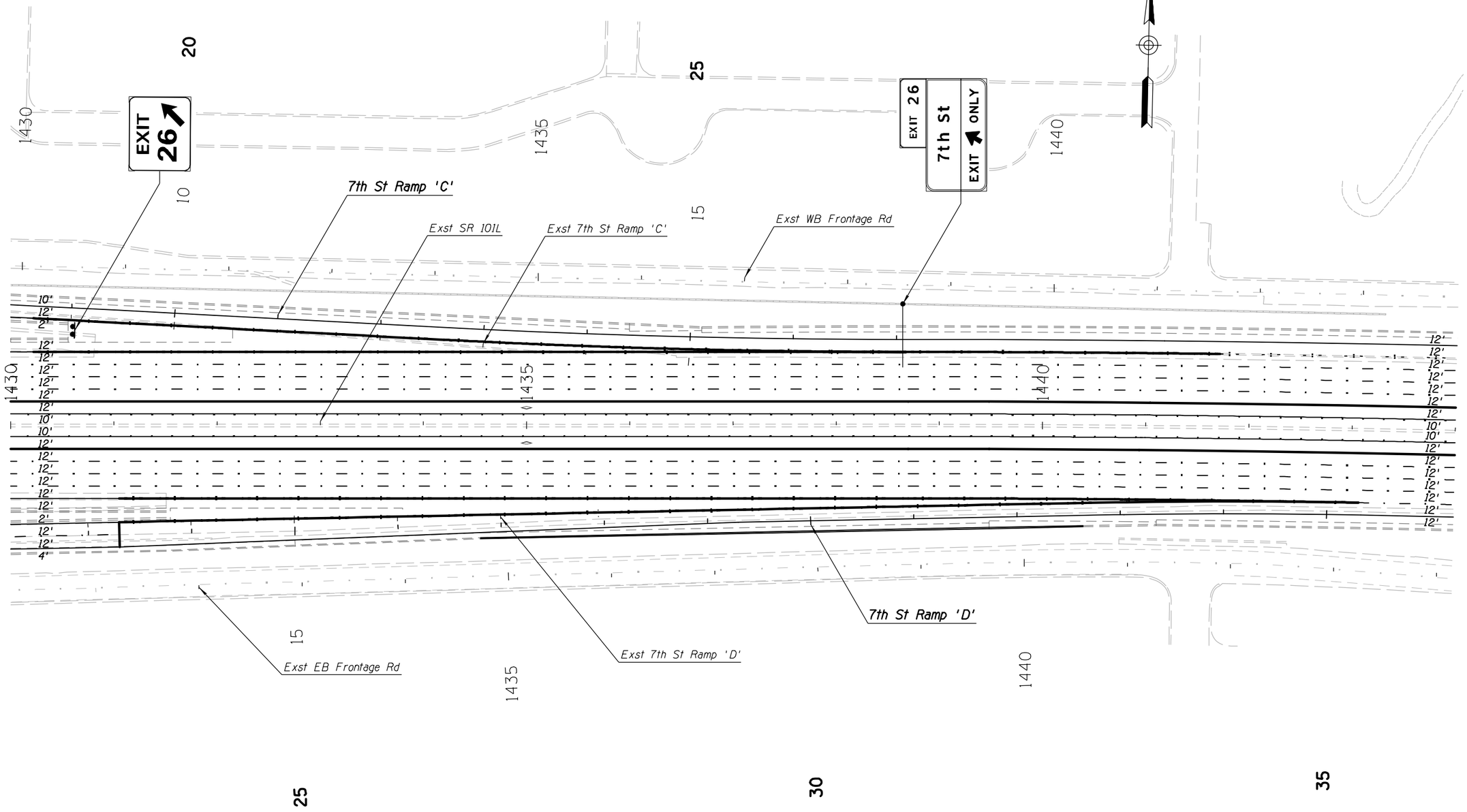
DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.10
___ OF ___

NO.2 DESCRIPTION OF REVISION | MADE BY | DATE
NO.1 DESCRIPTION OF REVISION | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\t-a\t8297p10.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION

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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1430+00 to Sta 1444+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.11
___ OF ___

NO.1 | DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 | DESCRIPTION OF REVISION | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\tra\t8297p11.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
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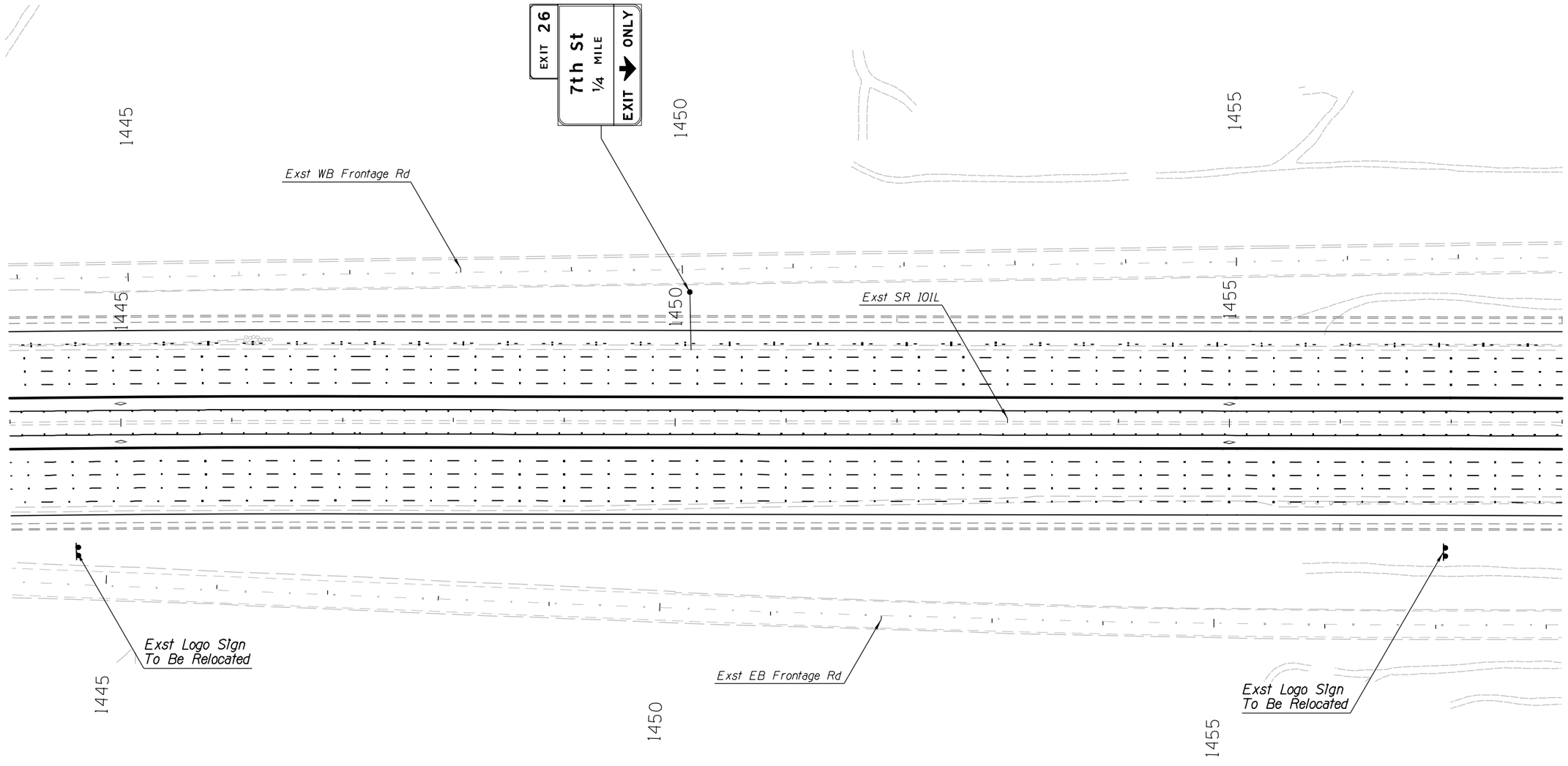

APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 300
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TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1444+00 to Sta 1458+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO. T-1.12
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p12.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	DATE	MADE BY
NO.1			
NO.2			

N

1460 1465 1470

16th Street

EXIT 26
7th St
3/4 Mile

Exst WB Frontage Rd

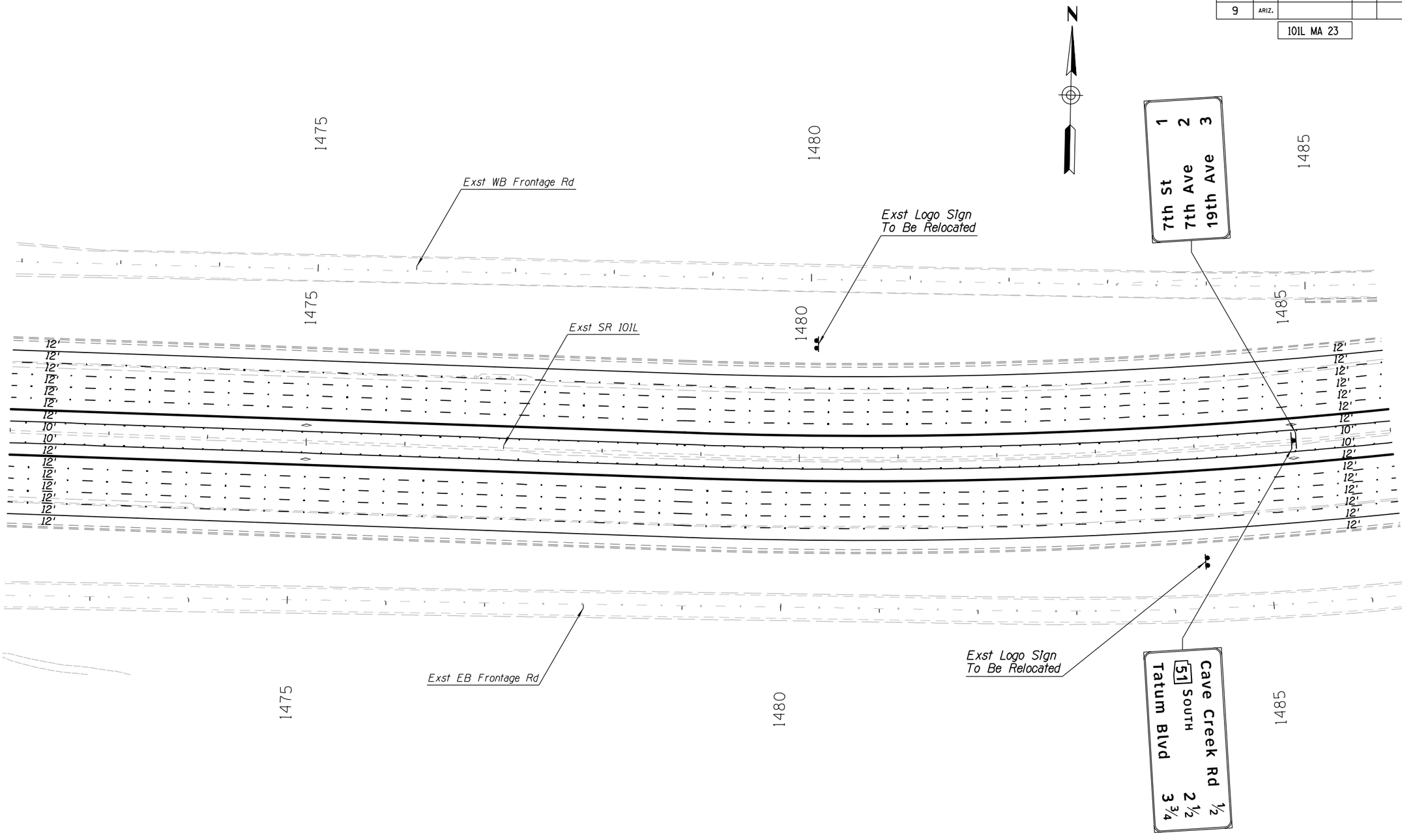
Exst SR 101L

12' 12' 12' 12' 12' 12' 12' 12' 10' 10' 12' 12' 12' 12' 12' 12' 12

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
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TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
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TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1472+00 to Sta 1486+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO. T-1.14
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p14.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
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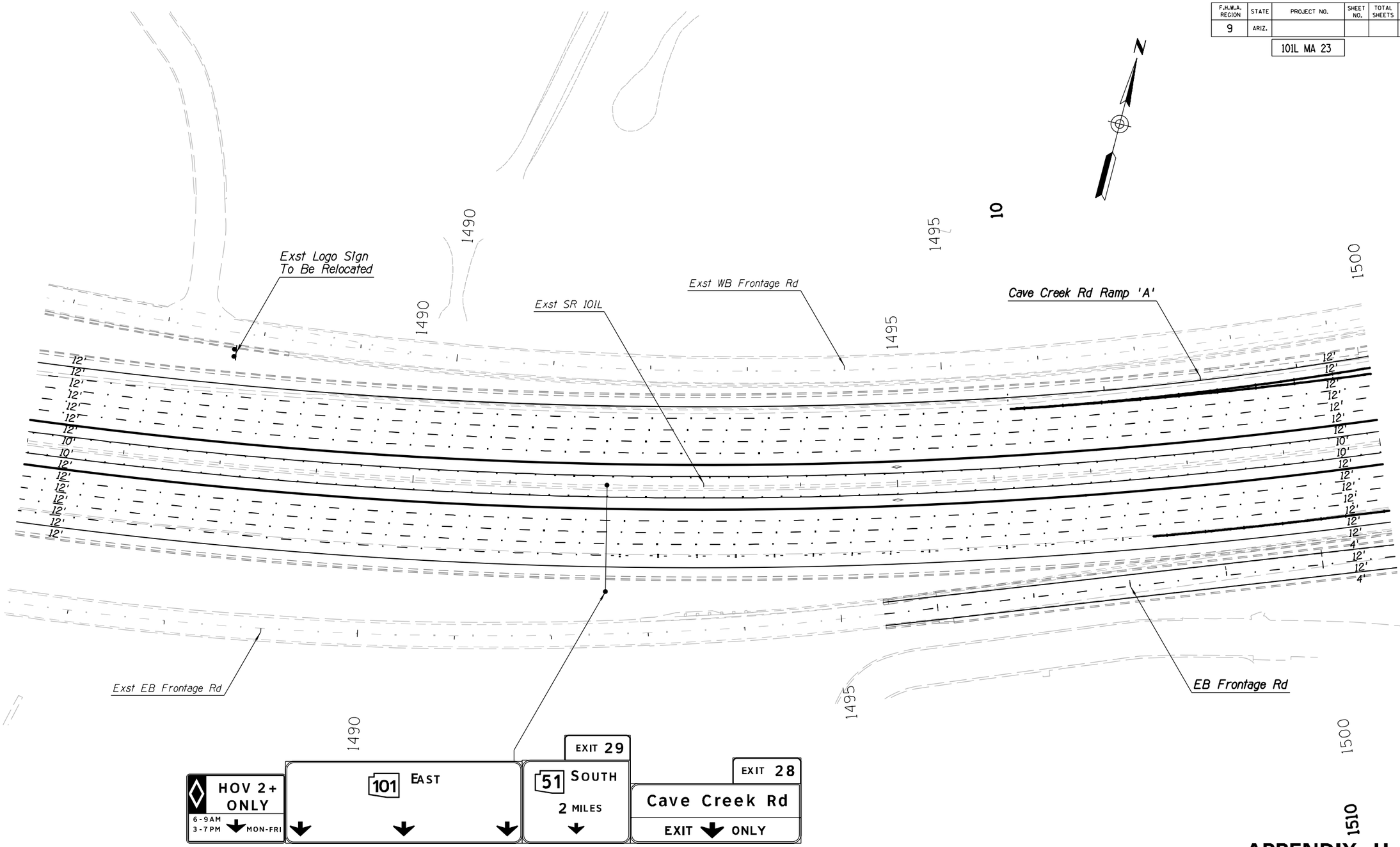
2			



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1486+00 to Sta 1500+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

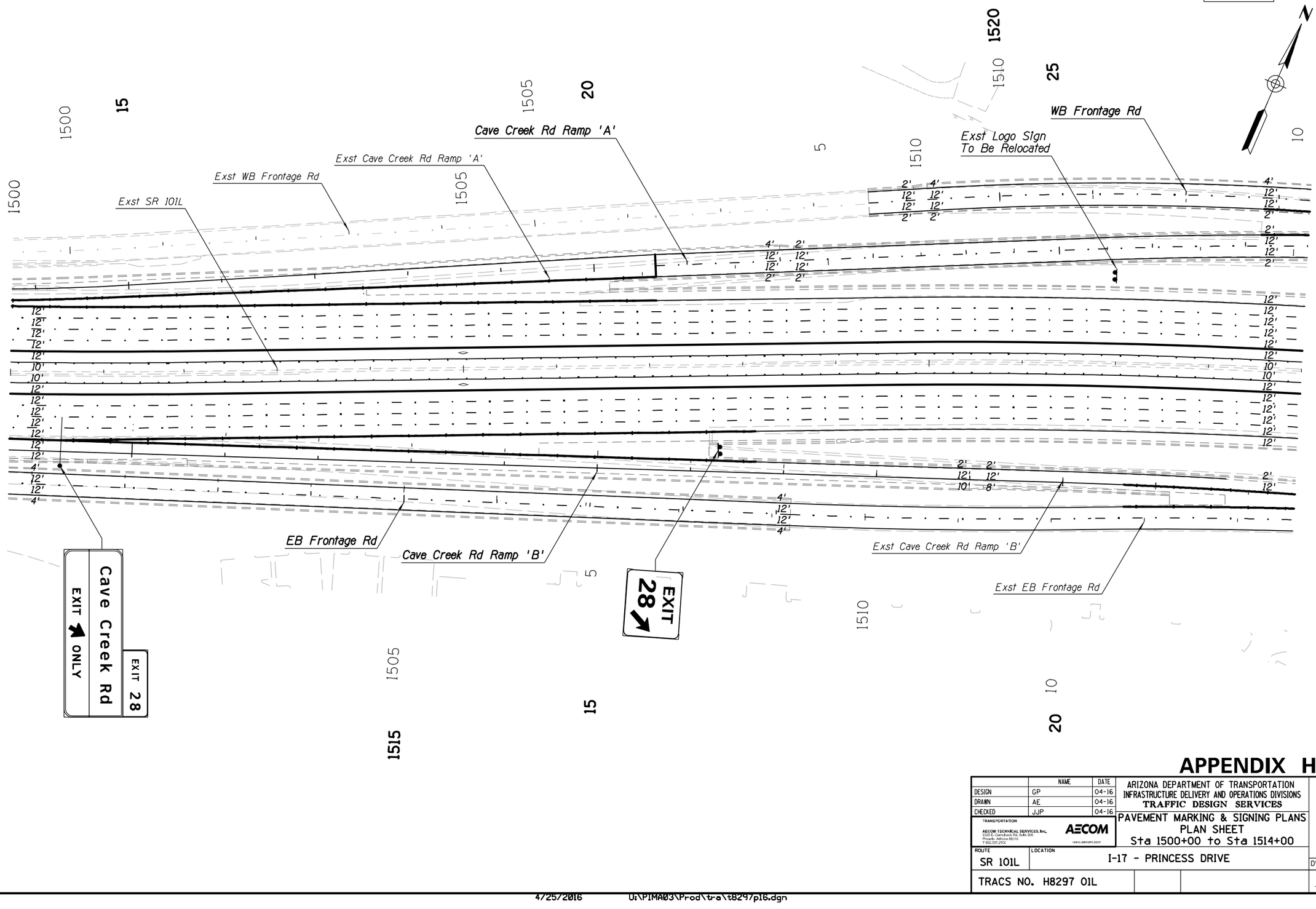
DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.15
___ OF ___

4/25/2016 U:\PIMA03\Prod\t-a\t8297p15.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION

AECOM TECHNICAL SERVICES, Inc.
2020 E. Camelback Rd, Suite 200
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1500+00 to Sta 1514+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-1.16

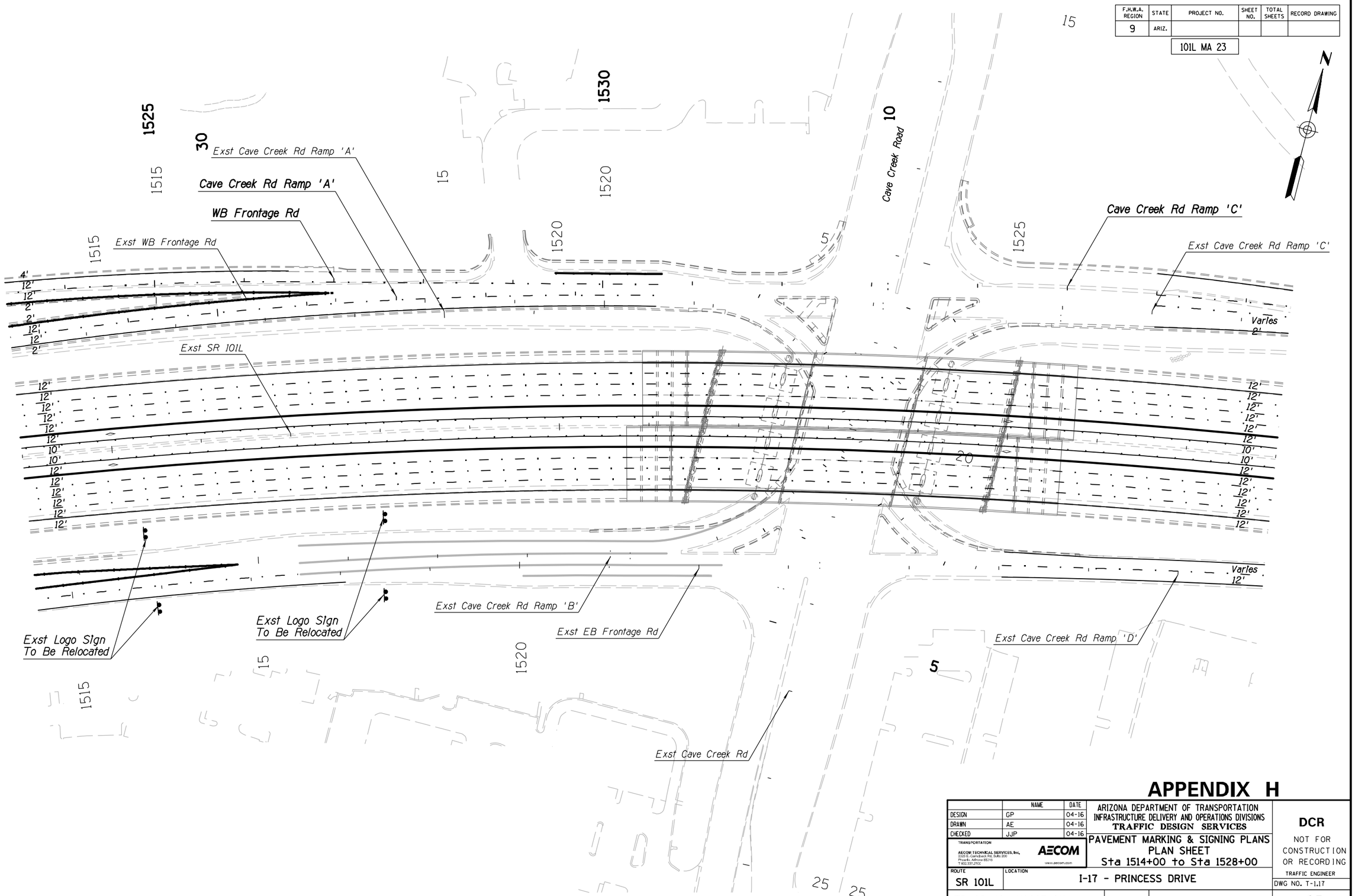
TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p16.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

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DRAWN	AE	04-16
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TRANSPORTATION
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2325 E. Camelback Rd, Suite 200
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T 602.337.2700
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1514+00 to Sta 1528+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-1.17

TRACS NO. H8297 01L

___ OF ___

NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\tra\t8297p17.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

N

EXIT 28

Exst Logo Sign To Be Relocated

Cave Creek Rd Ramp 'C'

Exst Logo Sign To Be Relocated

Exst Logo Sign To Be Relocated

Exst Cave Creek Rd Ramp 'C'

Exst SR 101L

Exst Cave Creek Rd Ramp 'D'

Cave Creek Rd Ramp 'D'

APPENDIX H

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TRANSPORTATION

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AECOM
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1528+00 to Sta 1542+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. T-1.18

TRACS NO. H8297 01L

___ OF ___

NO. | DESCRIPTION OF REVISION | DATE | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\tra\t8297p18.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
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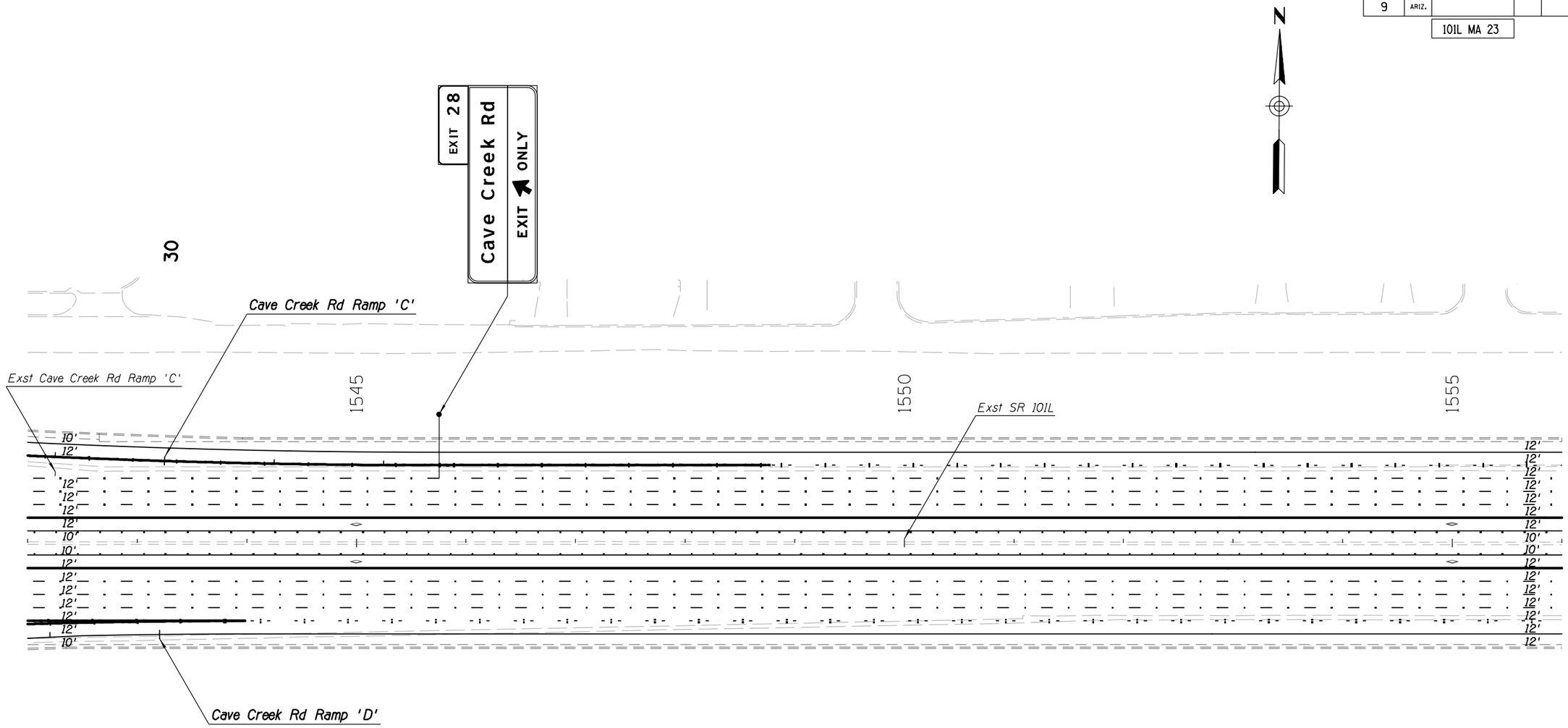
2			



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TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1542+00 to Sta 1556+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

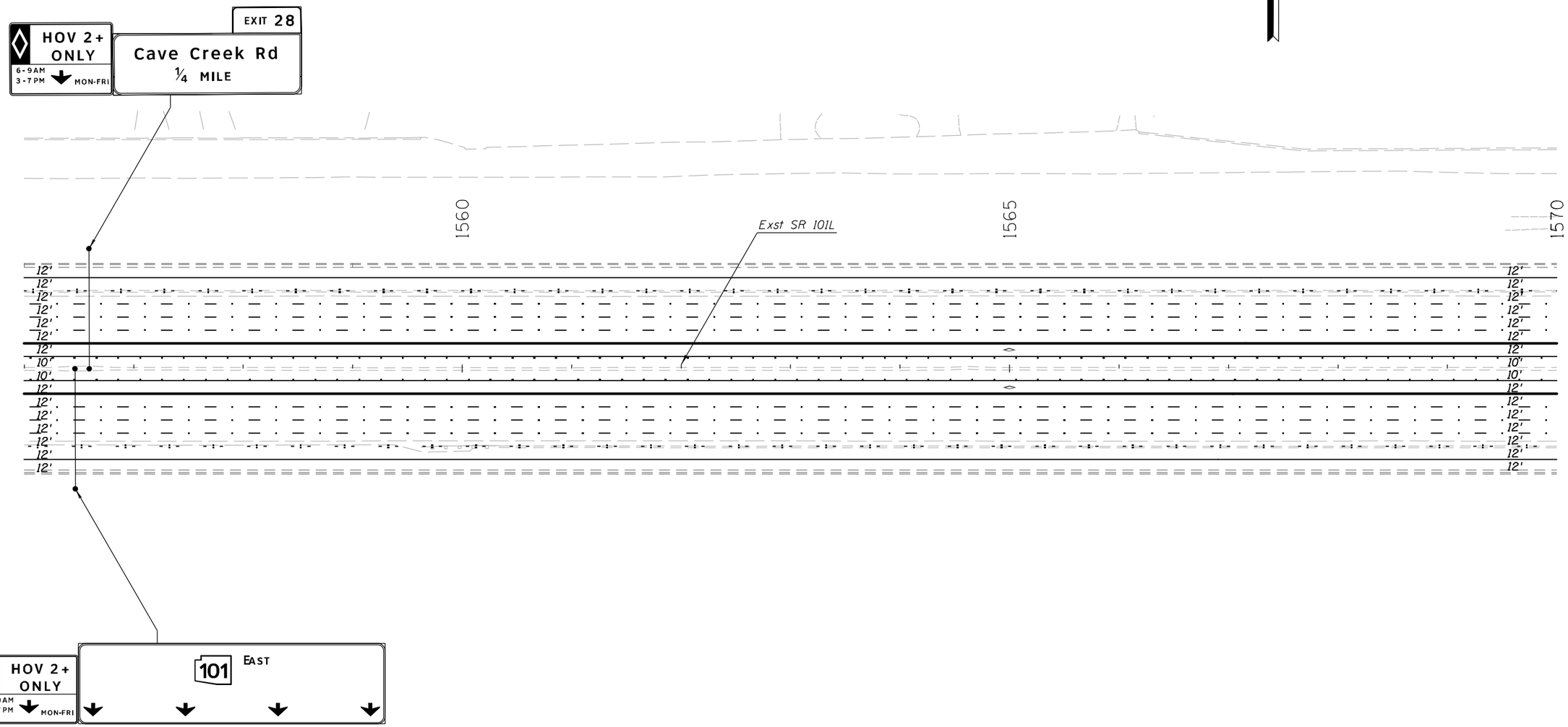
DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.19
___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p19.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2200 E. Camelback Rd. Suite 300
Phoenix, Arizona 85016
T 602.337.2700
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1556+00 to Sta 1570+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-1.20

TRACS NO. H8297 01L

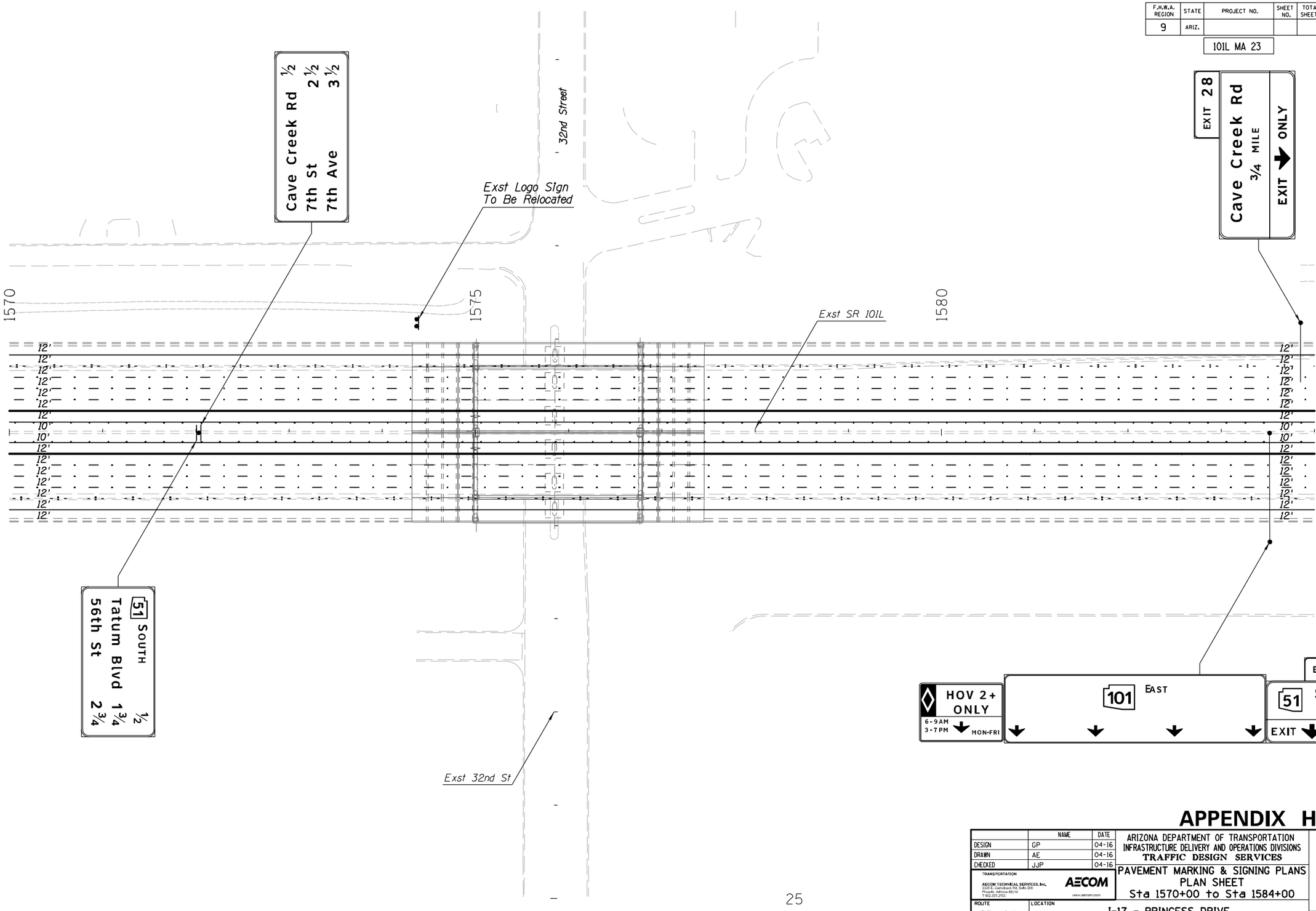
___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p20.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
3200 E. Camelback Rd, Suite 300
Phoenix, Arizona 85018
T 602.371.2700
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1570+00 to Sta 1584+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

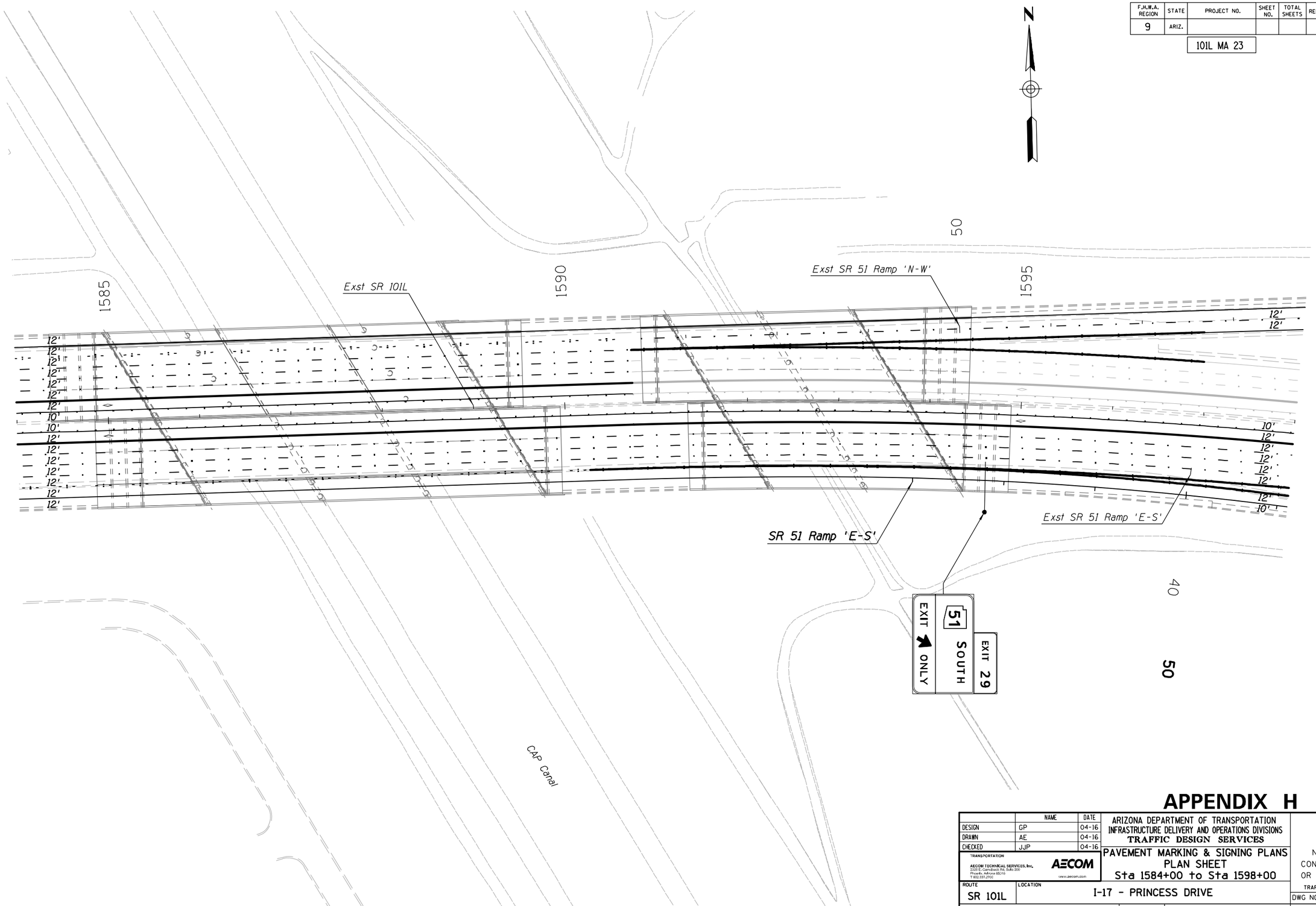
TRACS NO. H8297 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.21
___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p21.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION

AECOM TECHNICAL SERVICES, Inc.
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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1584+00 to Sta 1598+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.22
___ OF ___

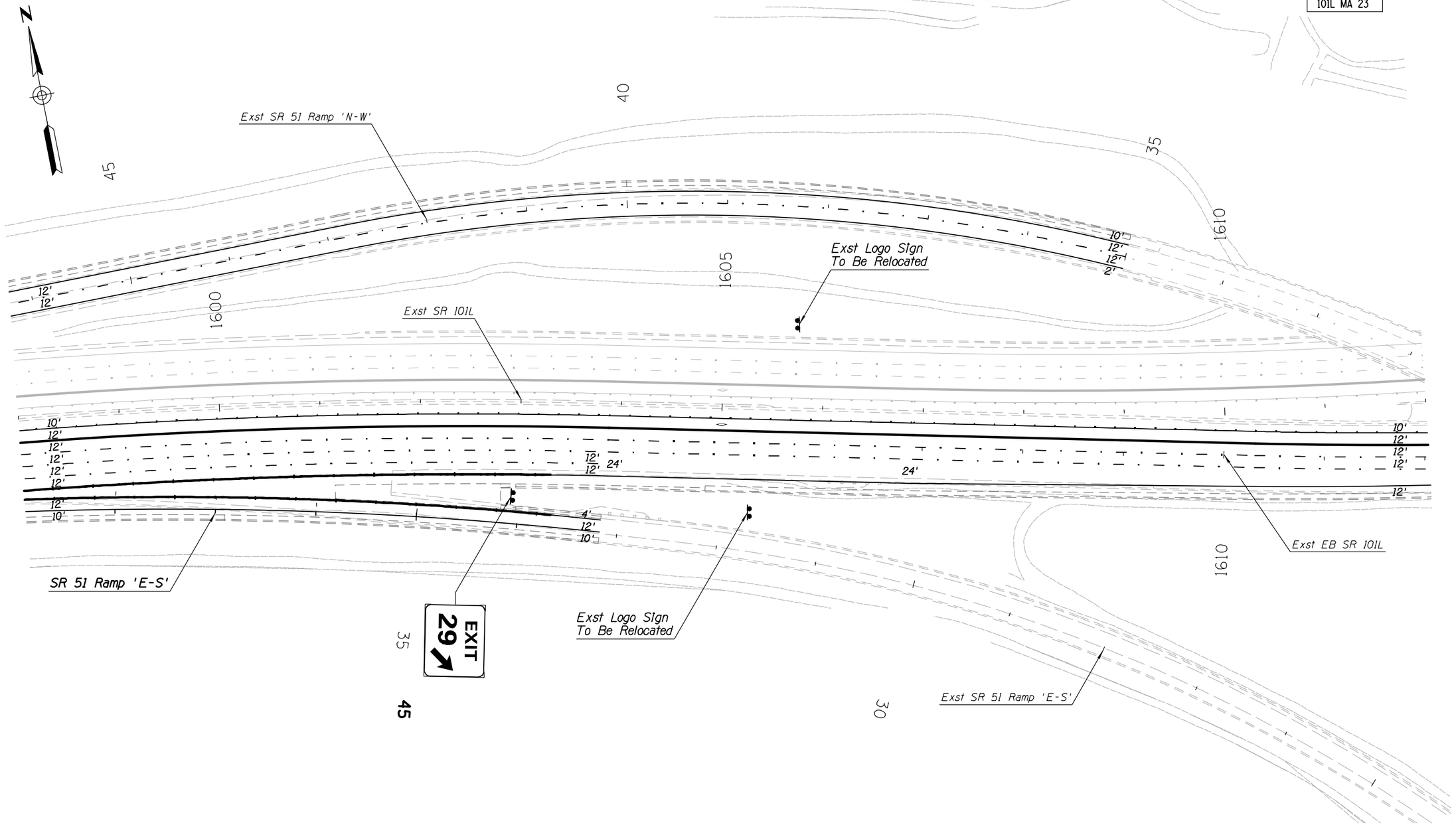
NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\tra\t8297p22.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
NO.1			
NO.2			



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION

AECOM TECHNICAL SERVICES, Inc.
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1598+00 to Sta 1612+00

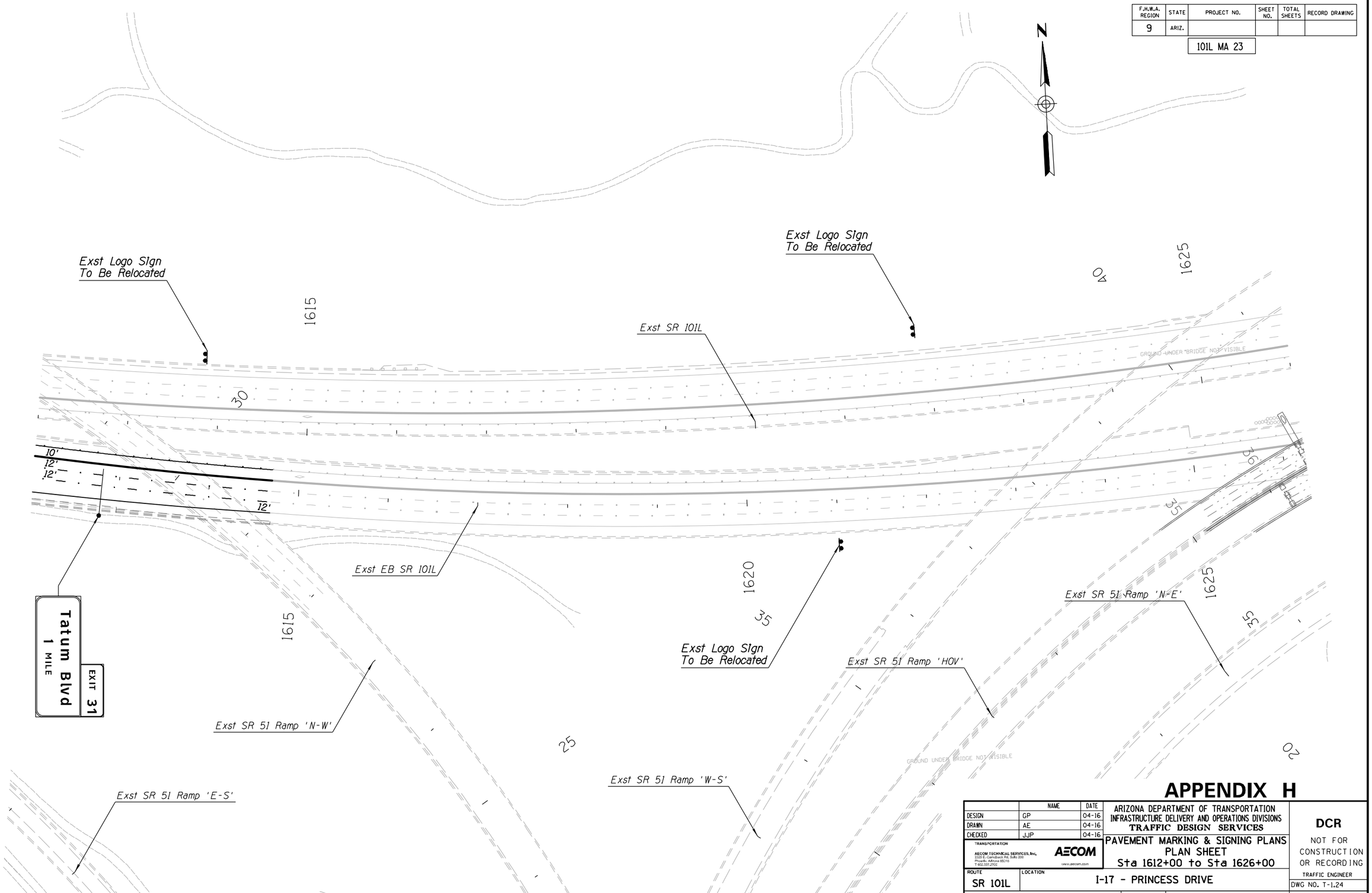
DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO. T-1.23
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p23.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2325 E. Camelback Rd, Suite 200
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1612+00 to Sta 1626+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. T-1.24

TRACS NO. H8297 01L

___ OF ___

NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\tra\t8297p24.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
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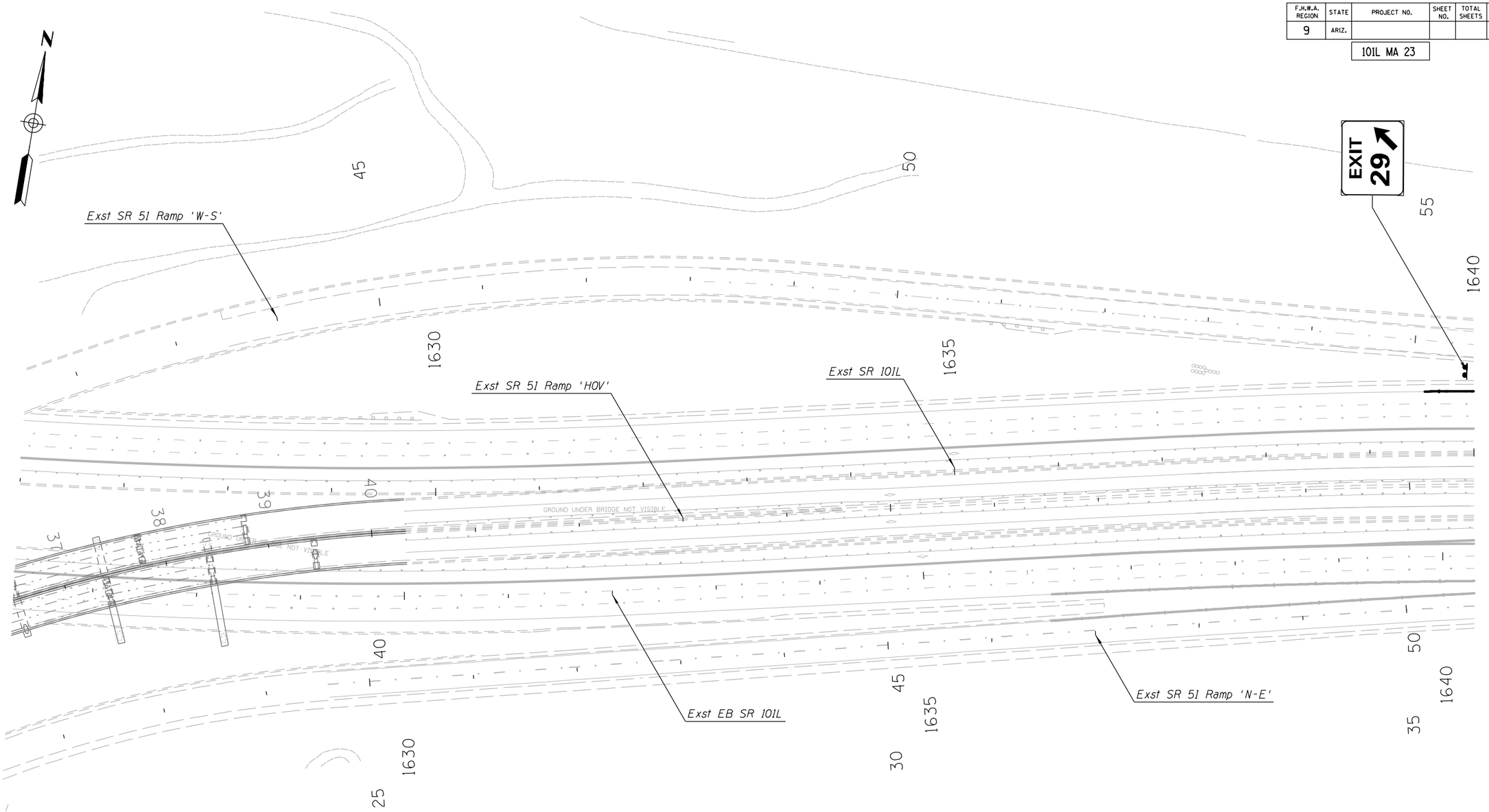
2			



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION

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TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1626+00 to Sta 1640+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	T-1.25

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p25.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
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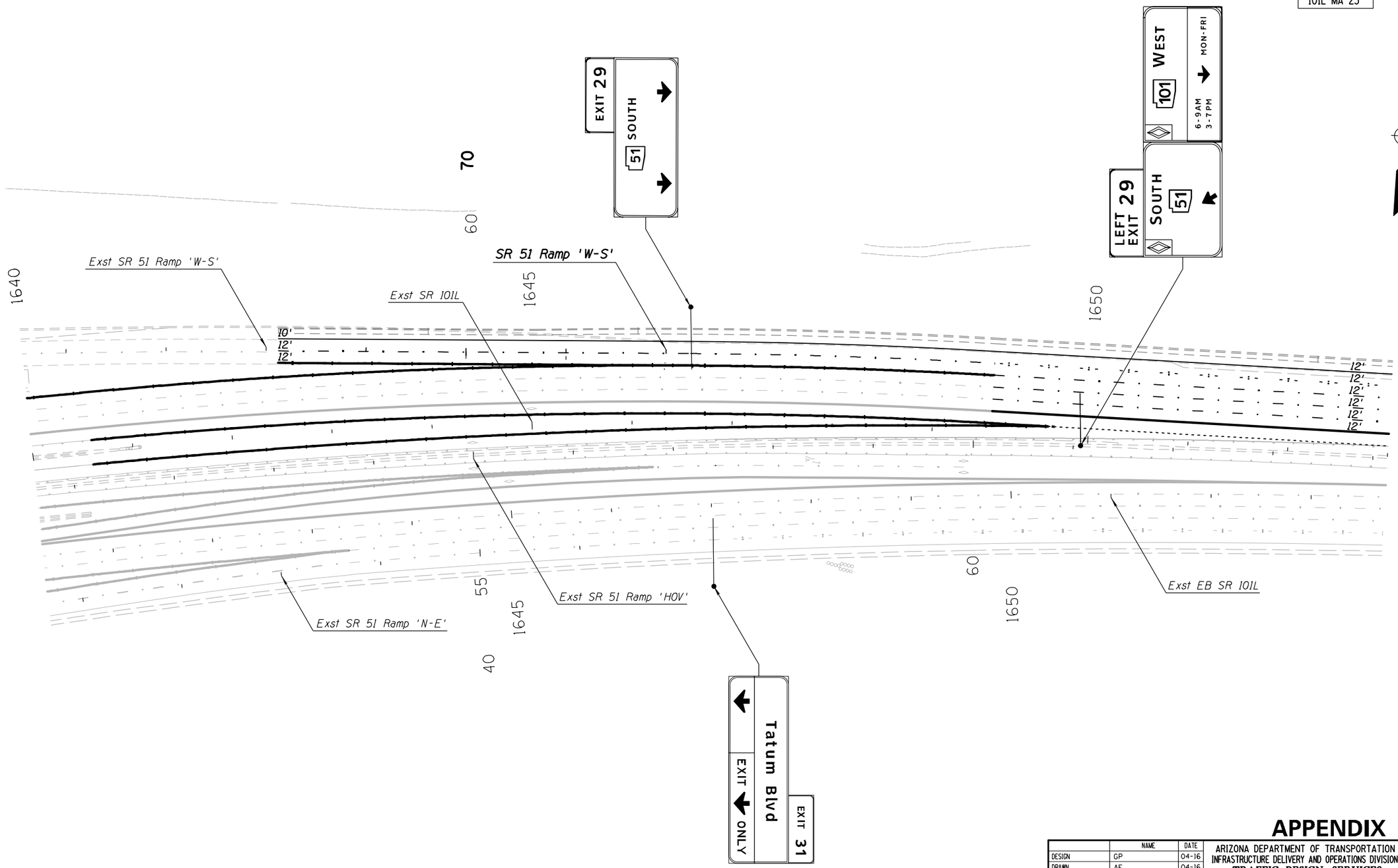
2			



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1640+00 to Sta 1653+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

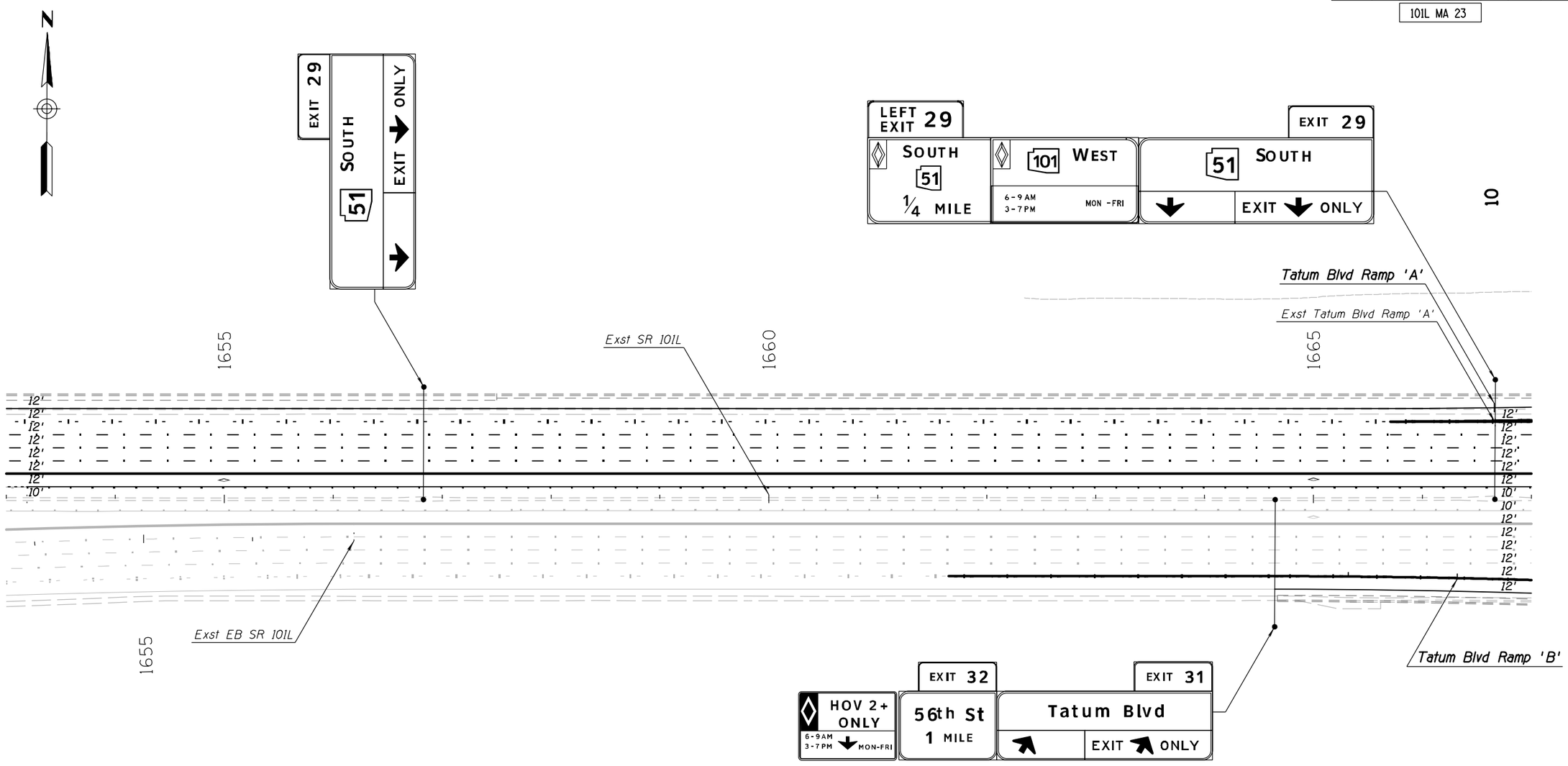
DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.26
___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p26.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
NO.2			
NO.1			



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1653+00 to Sta 1667+00

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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Phoenix, Arizona 85016
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AECOM
www.aecom.com

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	T-1.27

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p27.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
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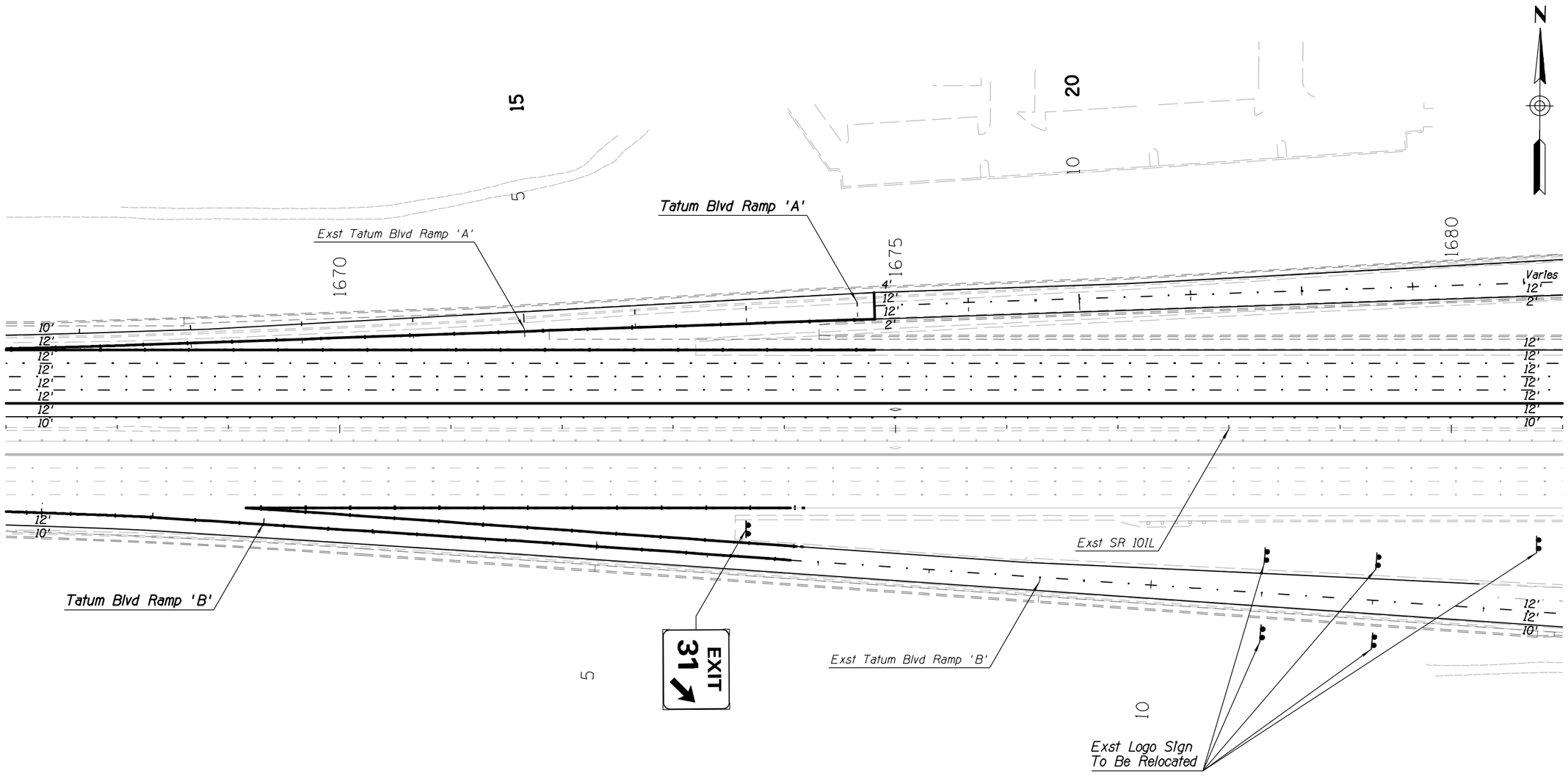
1			



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION

AECOM TECHNICAL SERVICES, Inc.
2020 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.337.2500

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1667+00 to Sta 1681+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-1.28

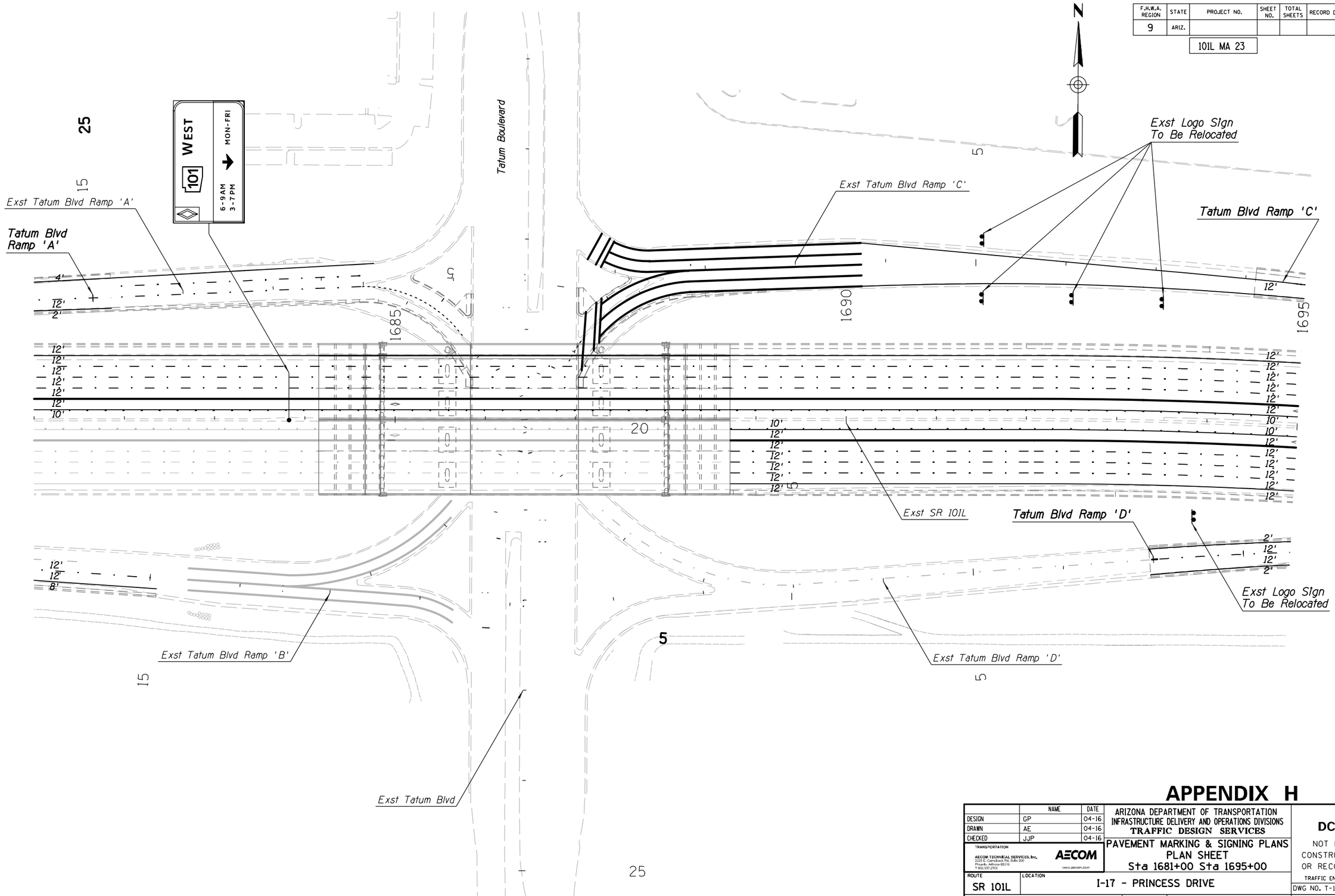
TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p28.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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Phoenix, Arizona 85016
T 602.337.2700
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1681+00 Sta 1695+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-1.29

TRACS NO. H8297 01L

___ OF ___

NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\tra\t8297p29.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
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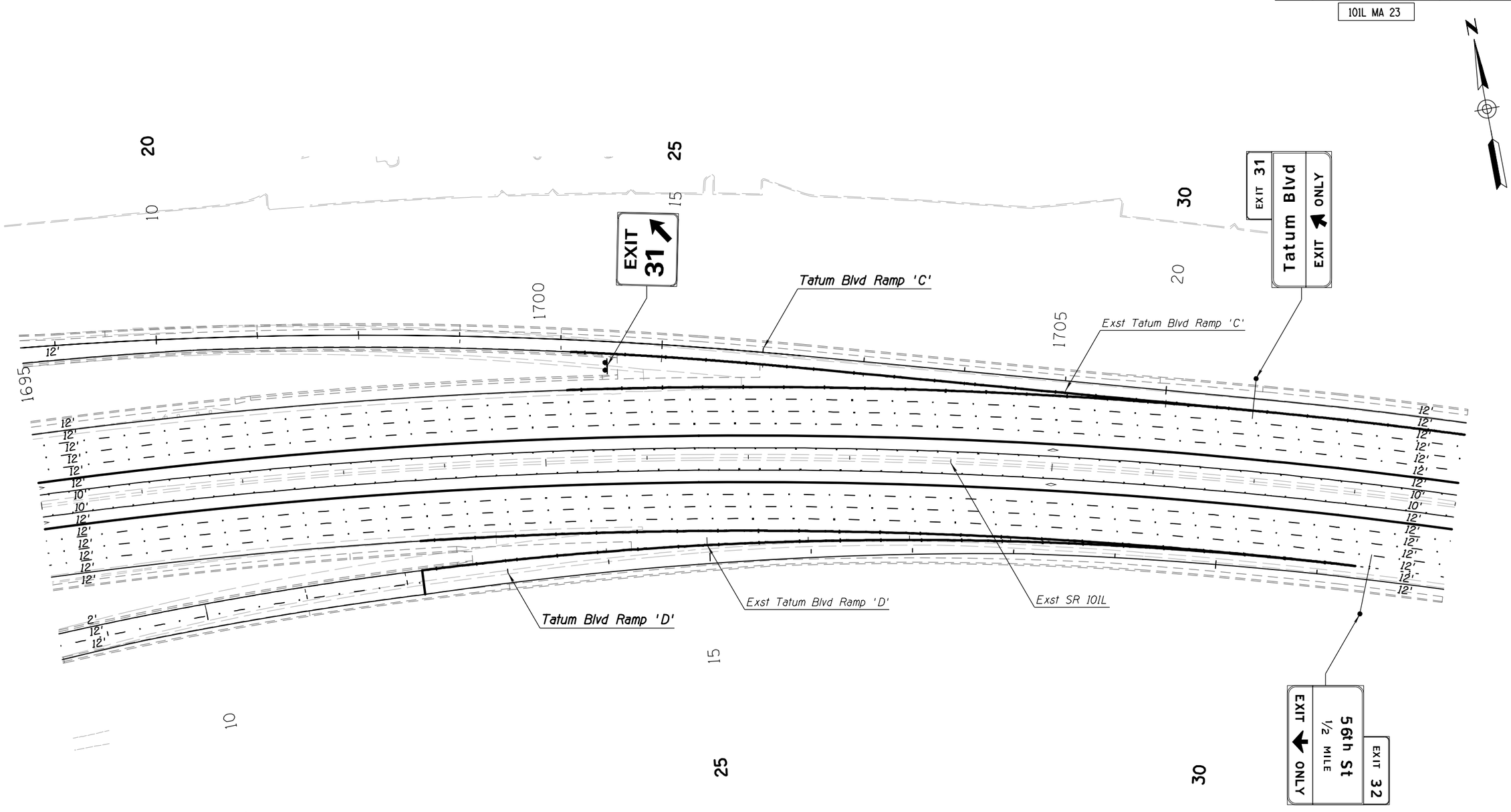

APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
2120 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
T 602.337.2700
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1695+00 to 1709+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.30
___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p30.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
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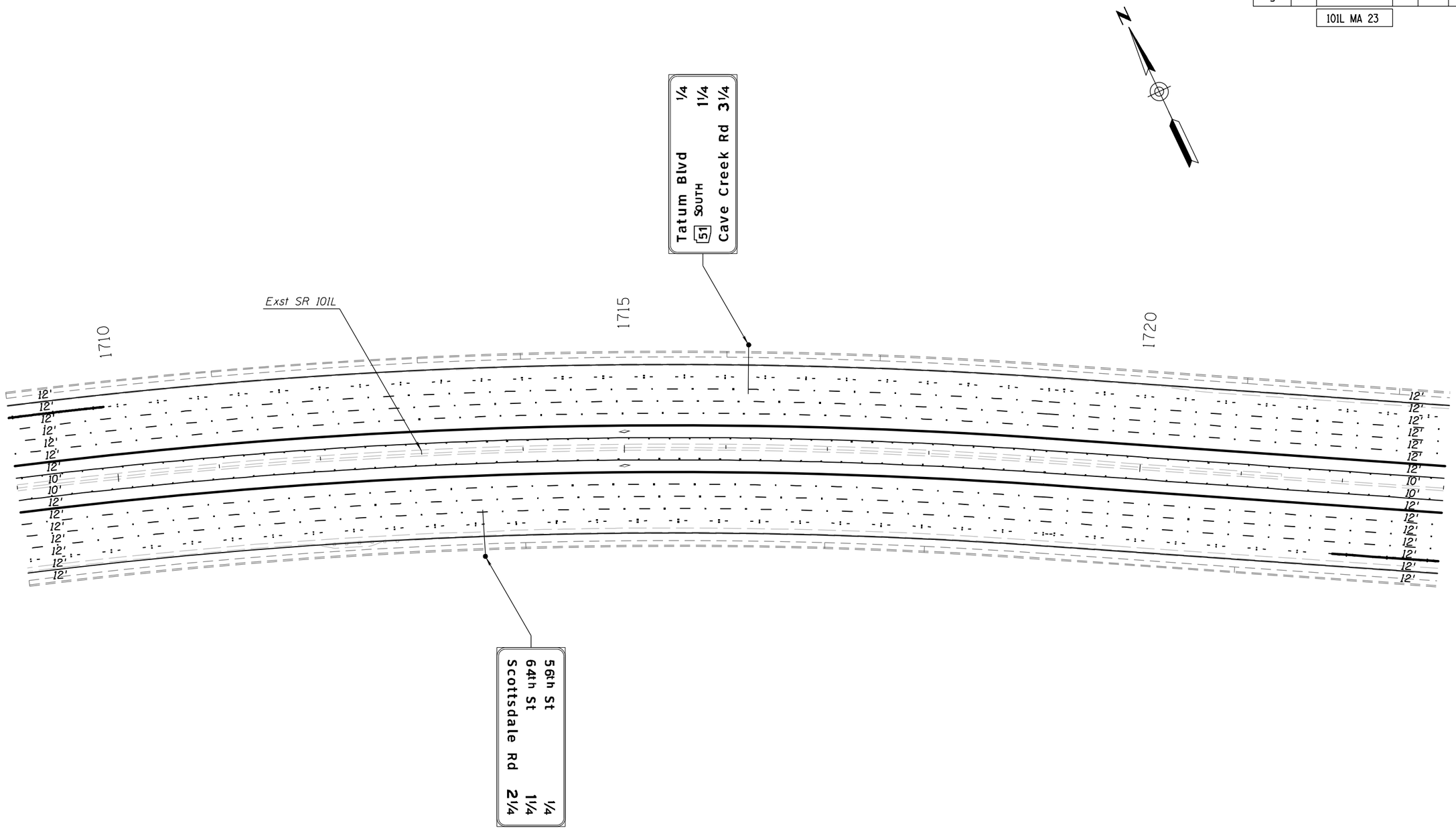
NO.2			



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1709+00 to Sta 1723+00

DCR
NOT FOR CONSTRUCTION OR RECORDING

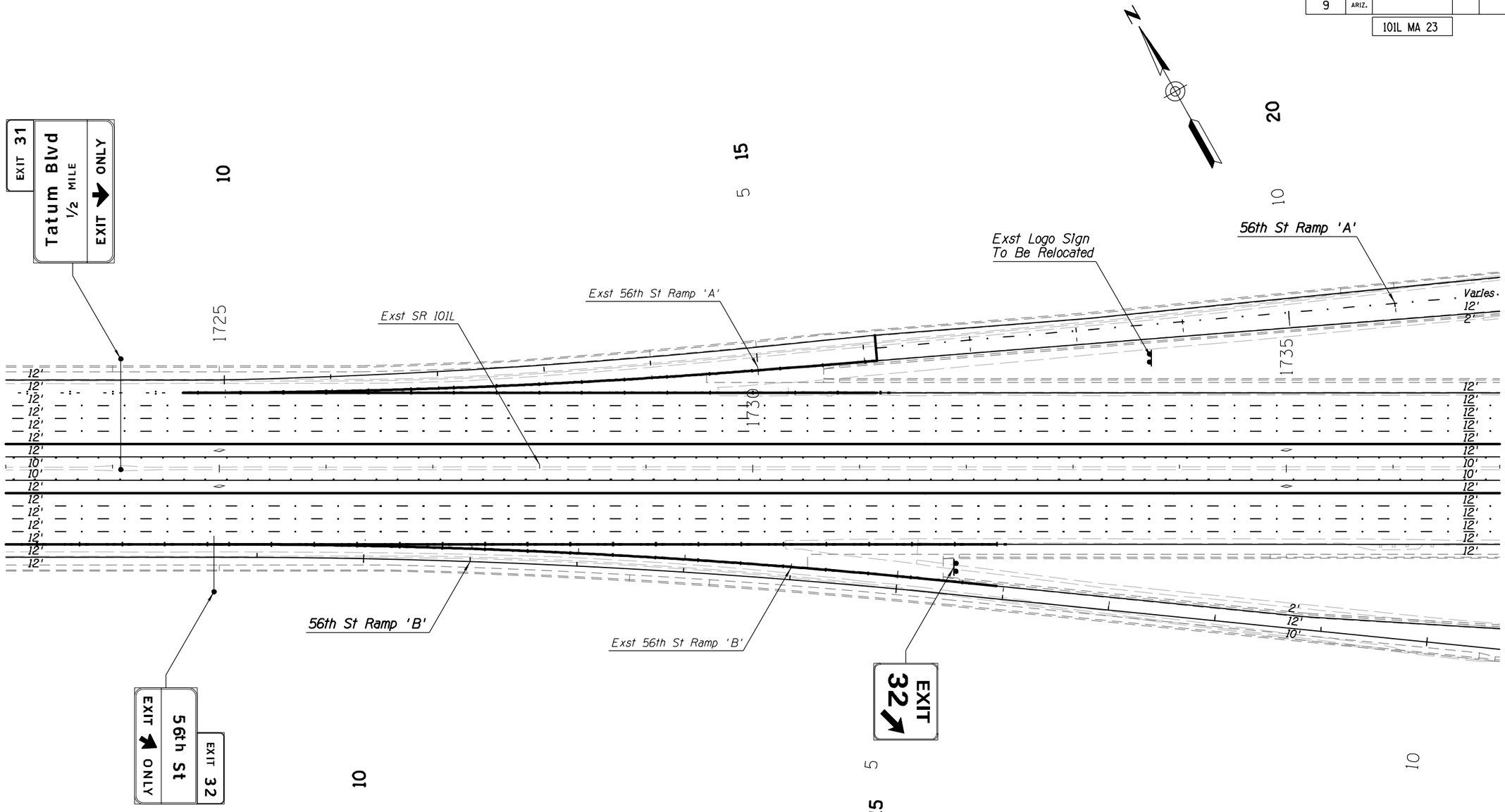
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO. T-1.31
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p31.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION
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2320 E. Camelback Rd, Suite 200
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T 602.337.2700
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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1723+00 to Sta 1737+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

DWG NO. T-1.32

___ OF ___

NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\t-a\t8297p32.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	DATE	MADE BY
1			
2			

N

56th Street

15

5

Exst 56th St Ramp 'A'

56th St Ramp 'A'

Exst 56th St Ramp 'C'

Exst Logo SIgn
To Be Relocated

56th St Ramp 'C'

1740

1745

1750

Exst SR 101L

20

12'
12'
12'
12'
12'
12'
10'
10'
12'
12'
12'
12'
12'
12'

10'
12'
2'

56th St Ramp 'B'

Exst Logo Sign
To Be Relocated

Exst 56th St Ramp 'B'

15

Exst 56th St

25

Exst 56th St Ramp 'D'

56th St Ramp 'D'

5

15

2'
12'
12'
12'
2'

2'
12'
12'
12'
4'

APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION

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TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1737+00 to Sta 1751+00

ROUTE: SR 101L

LOCATION: I-17 - PRINCESS DRIVE

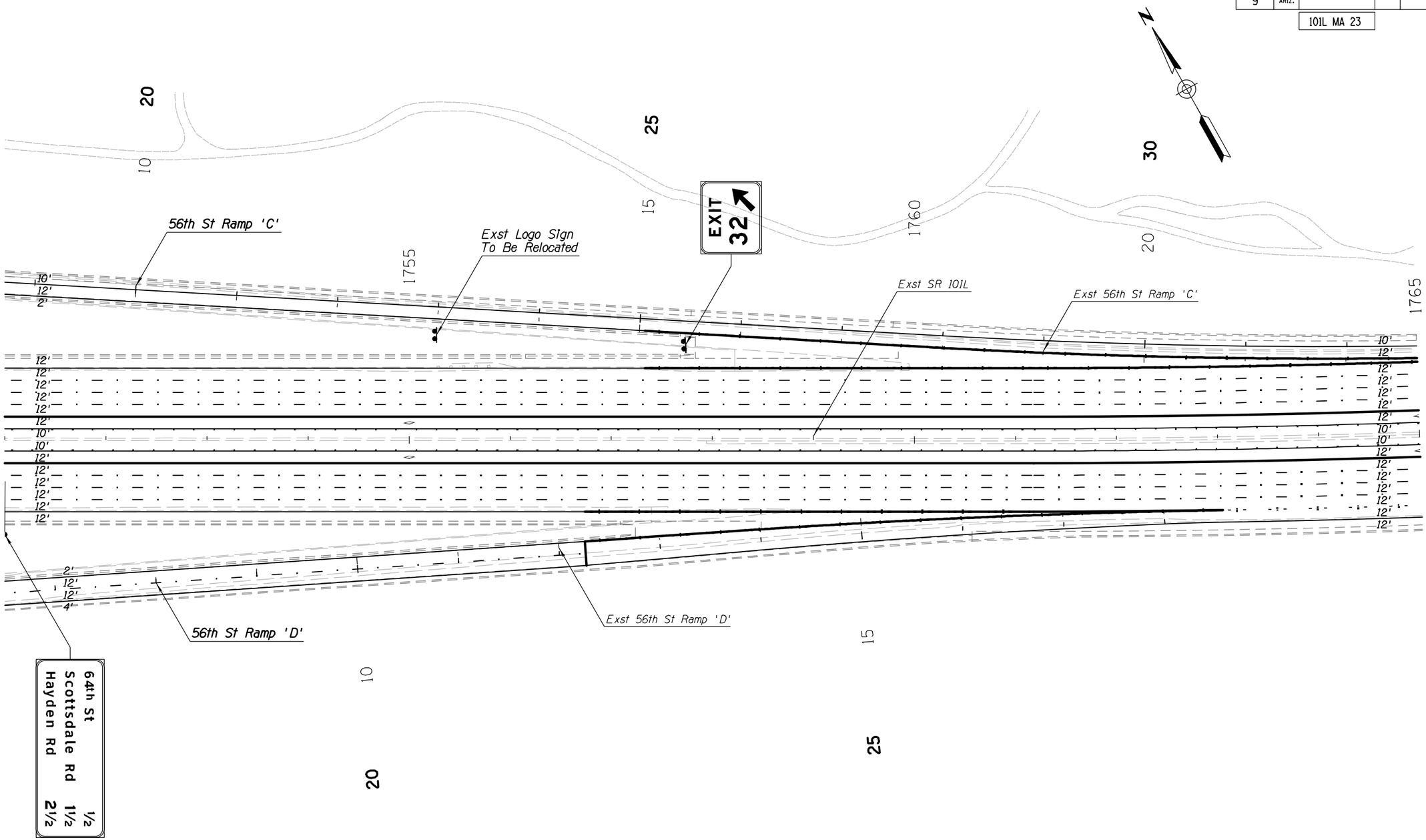
TRACS NO. H8297 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.33
___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p33.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
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TRANSPORTATION

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TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1751+00 to Sta 1765+00

ROUTE: SR 101L

LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

DWG NO. T-1.34

___ OF ___

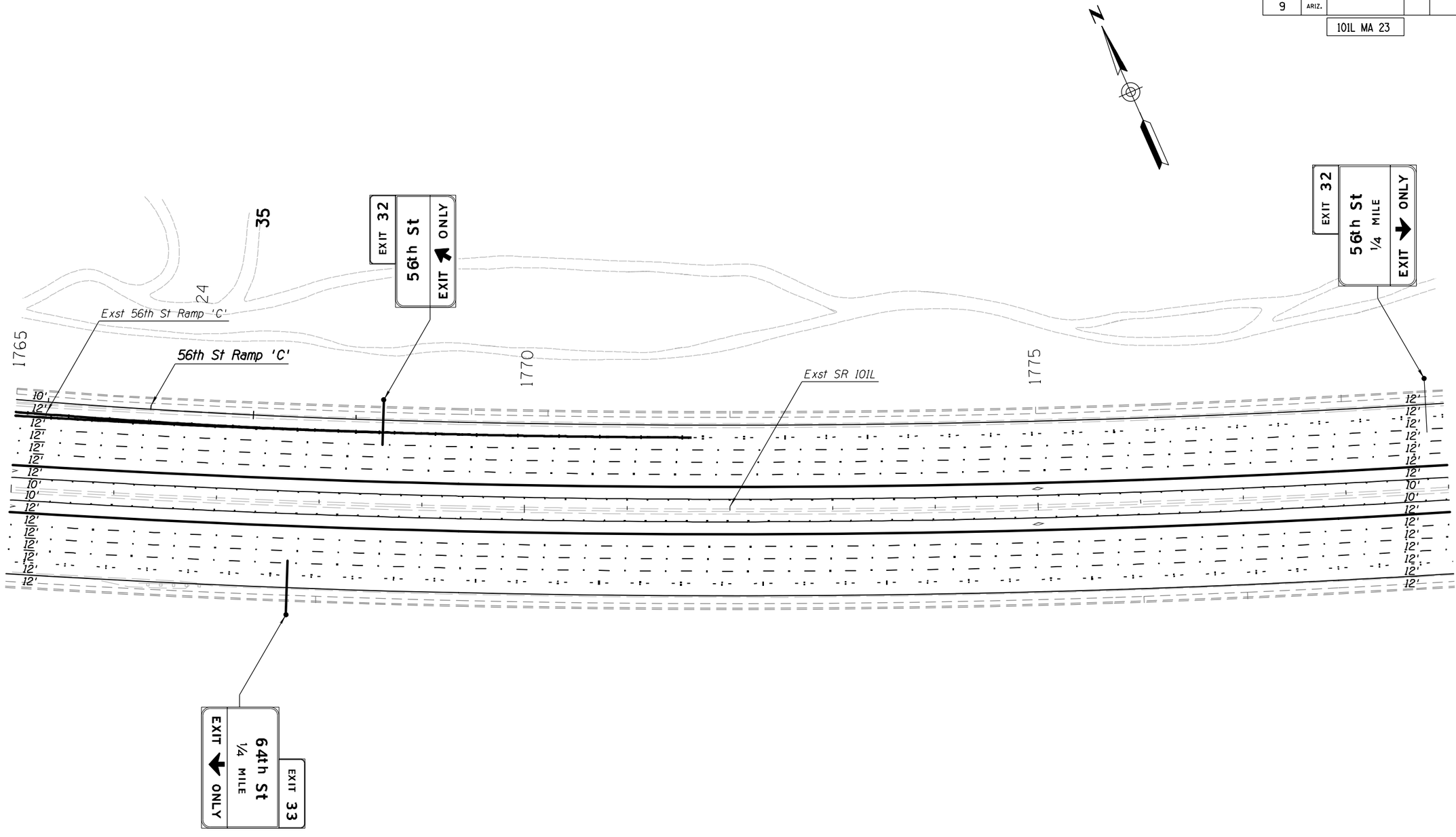
NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			

4/25/2016 U:\PIMA03\Prod\tra\t8297p34.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
NO.1			
NO.2			



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
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TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1765+00 to Sta 1779+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO. T-1.35
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p35.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
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TRANSPORTATION
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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1779+00 to Sta 1793+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

DWG NO. T-1.36

___ OF ___

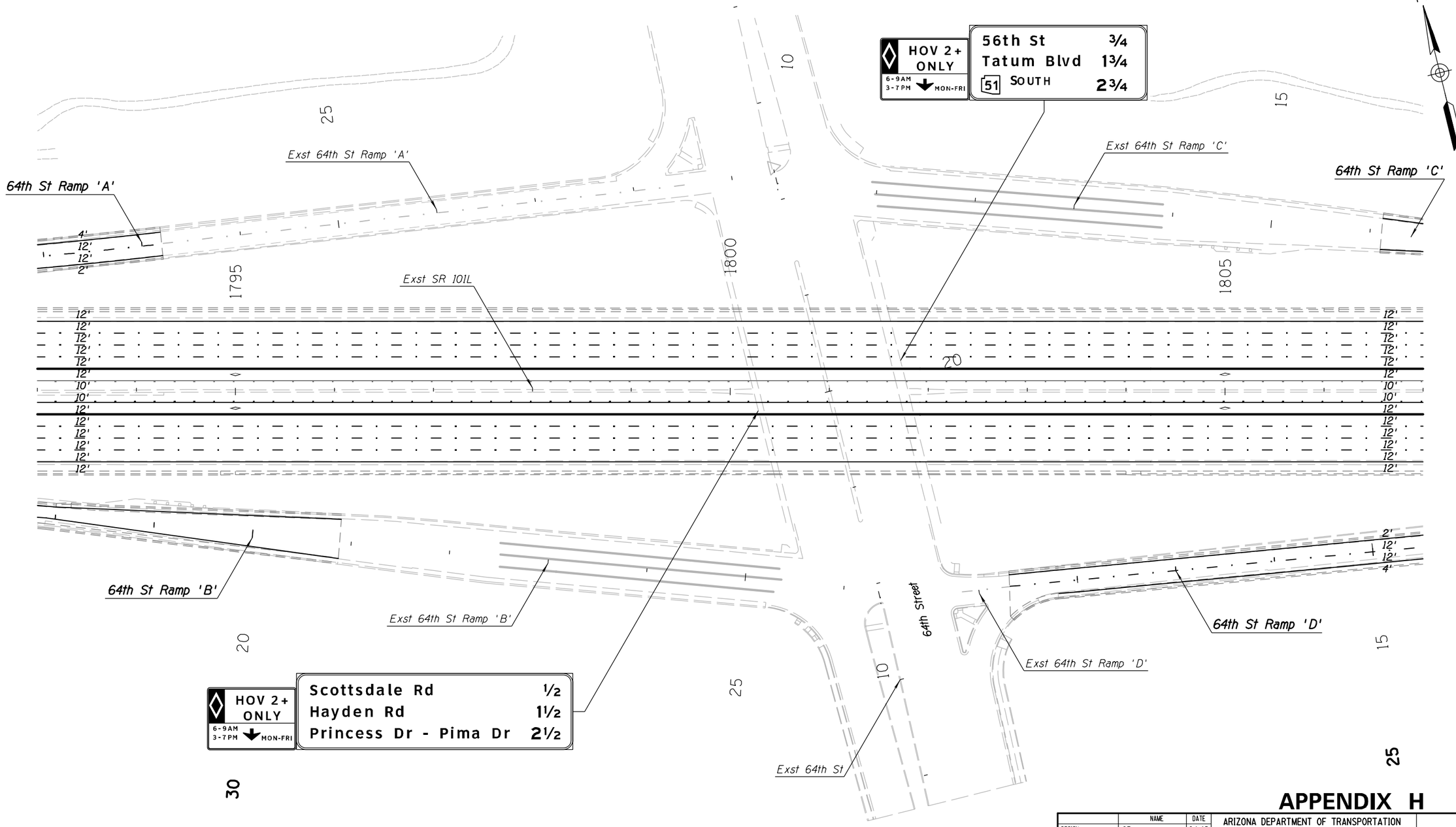
NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\t-a\t8297p36.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
NO.1			
NO.2			



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION

AECOM TECHNICAL SERVICES, Inc.
2555 E. Camelback Rd, Suite 200
Phoenix, Arizona 85016
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1793+00 to Sta 1807+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.37

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

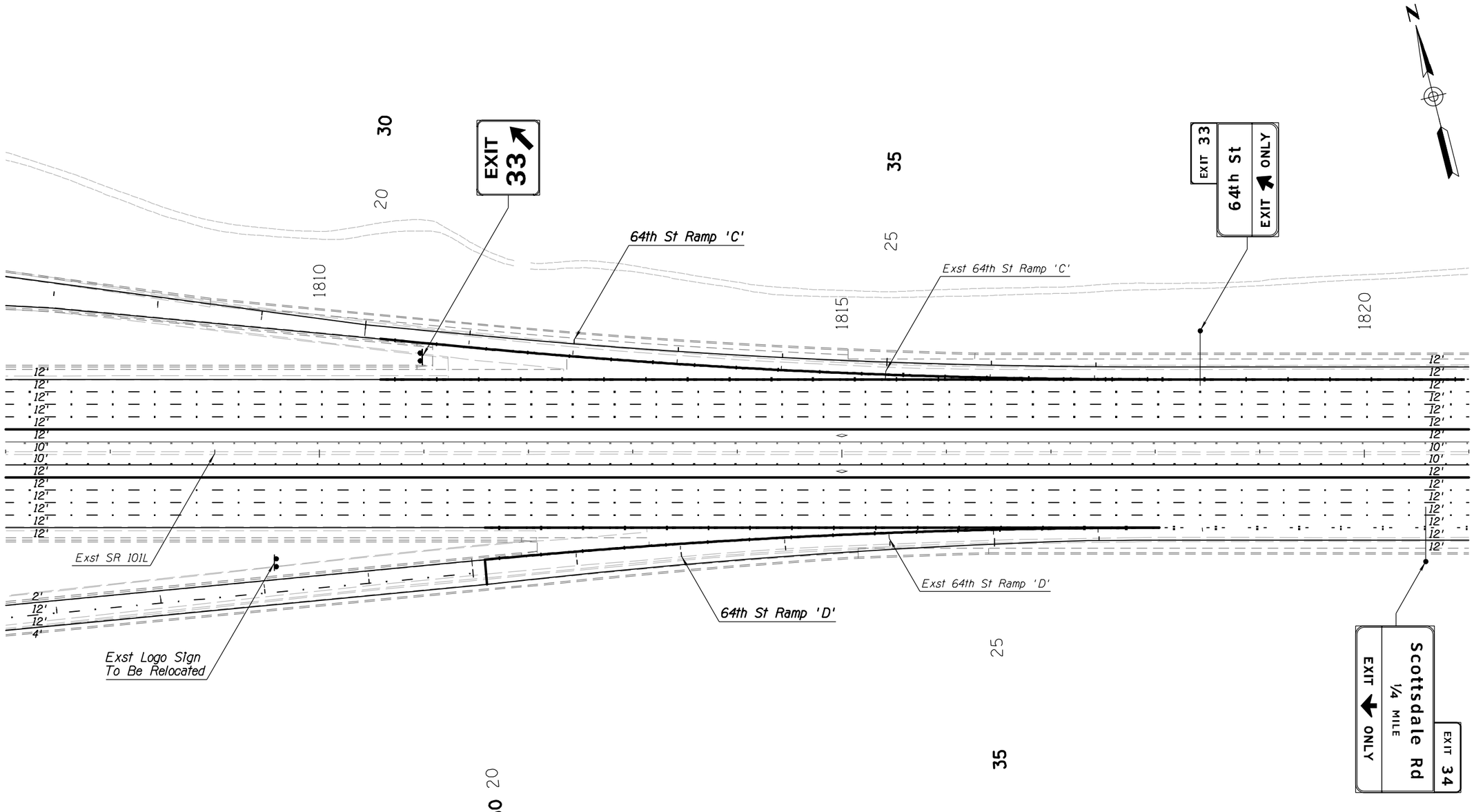
___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p37.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
NO.1			
NO.2			



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION
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TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1807+00 to Sta 1821+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.38
___ OF ___

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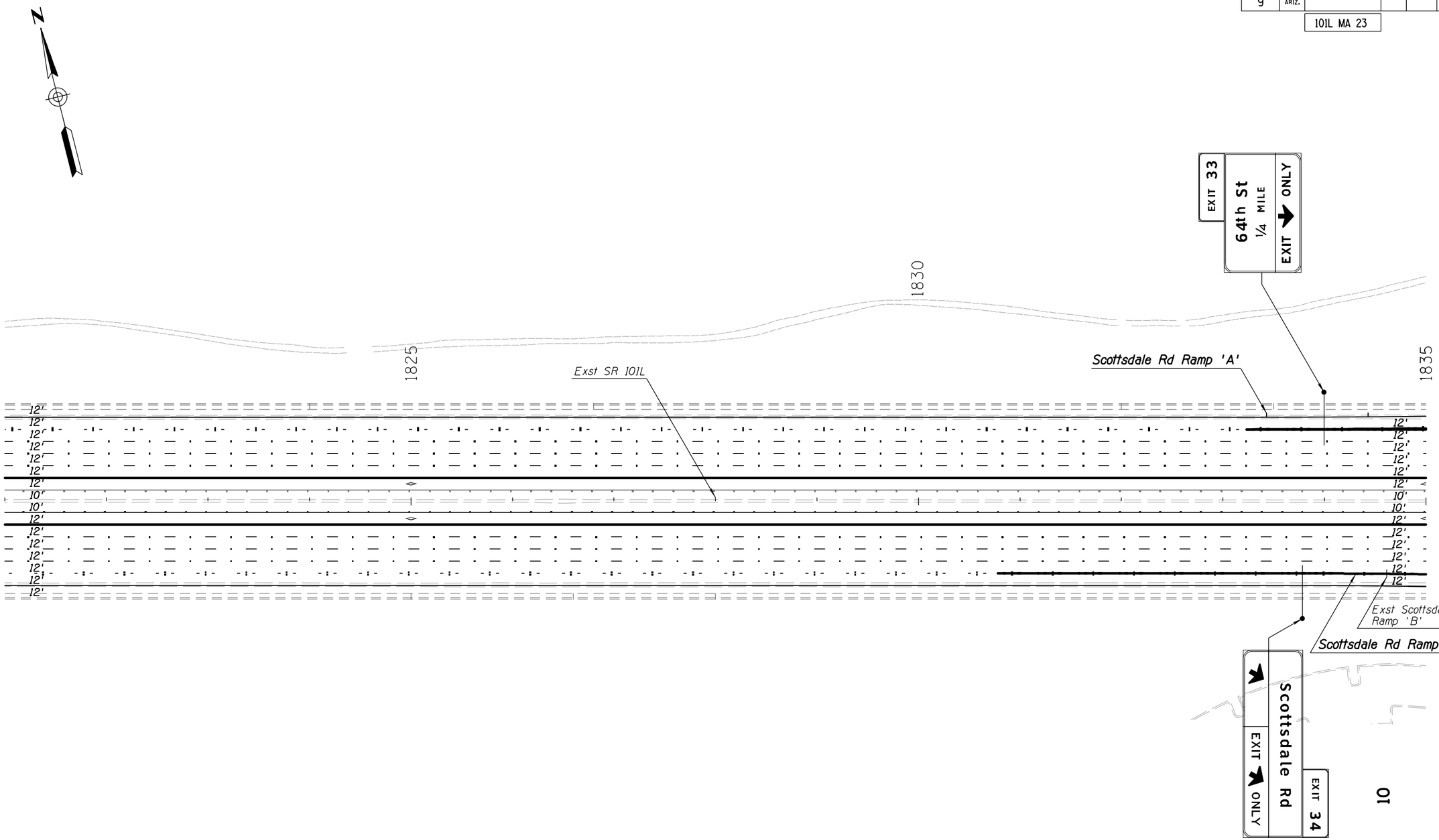
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
NO.2			
NO.1			



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1821+00 to Sta 1835+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-1.39

TRACS NO. H8297 01L

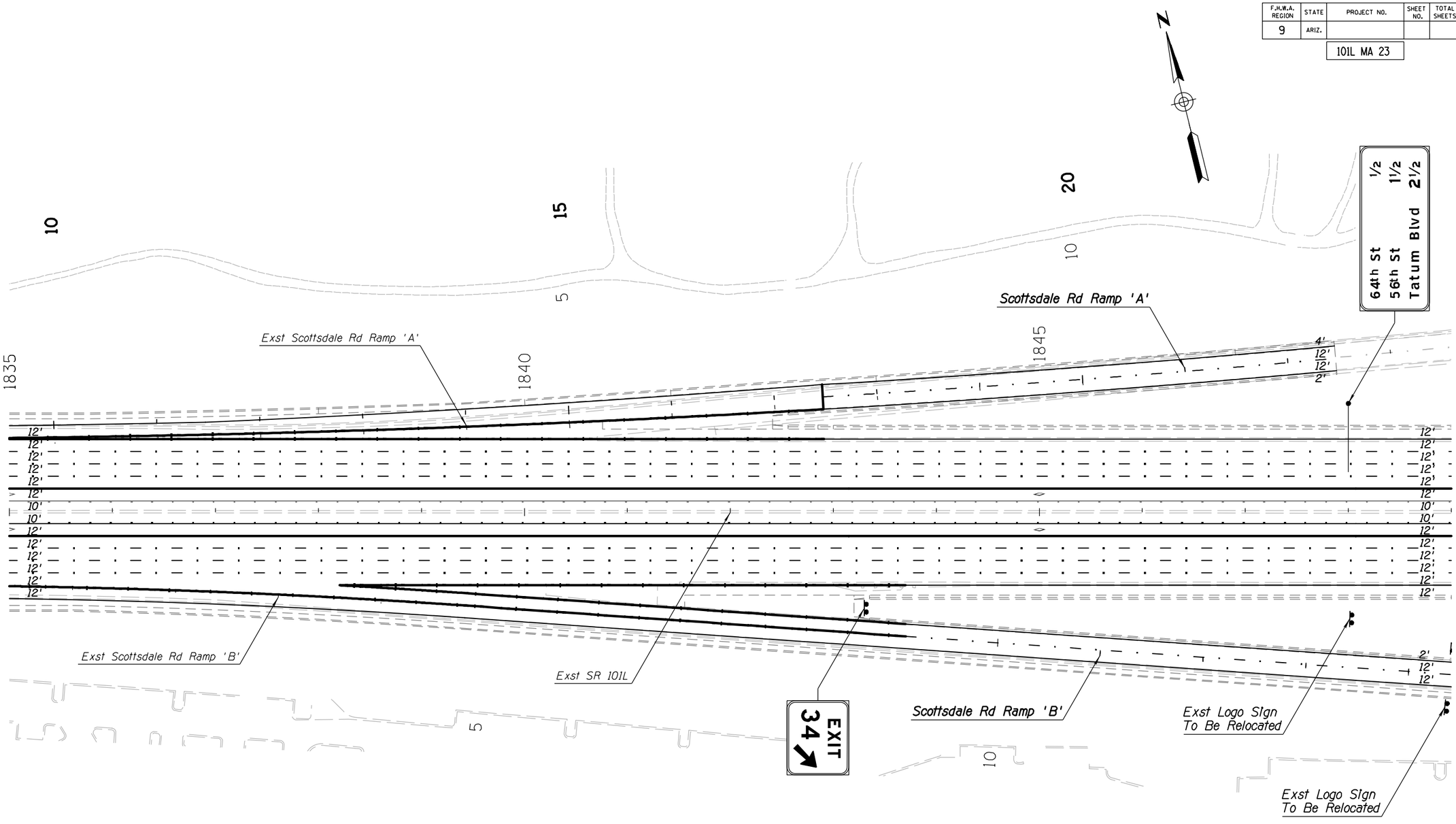
___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p39.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	DATE	MADE BY
NO.1			
NO.2			



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION

AECOM TECHNICAL SERVICES, Inc.
2020 E. Camelback Rd, Suite 200
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T 602.957.2900

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1835+00 to Sta 1849+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO. T-1.40
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p40.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

N

Scottsdale Road

Exst Scottsdale Rd Ramp 'A'

Exst Scottsdale Rd Ramp 'C'

Exst WB Frontage Rd

Scottsdale Rd Ramp 'C'

Exst SR 101L

Scottsdale Rd Ramp 'B'

Exst Scottsdale Rd Ramp 'B'

Exst Logo Sign To Be Relocated

Exst Logo Sign To Be Relocated

Exst Scottsdale Rd

Exst Scottsdale Rd Ramp 'D'

Scottsdale Rd Ramp 'D'

1850 1855 1860

15 20 25 5

APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1849+00 to Sta 1863+00

ROUTE: SR 101L

LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

TRAFFIC ENGINEER

DWG NO. T-1.41

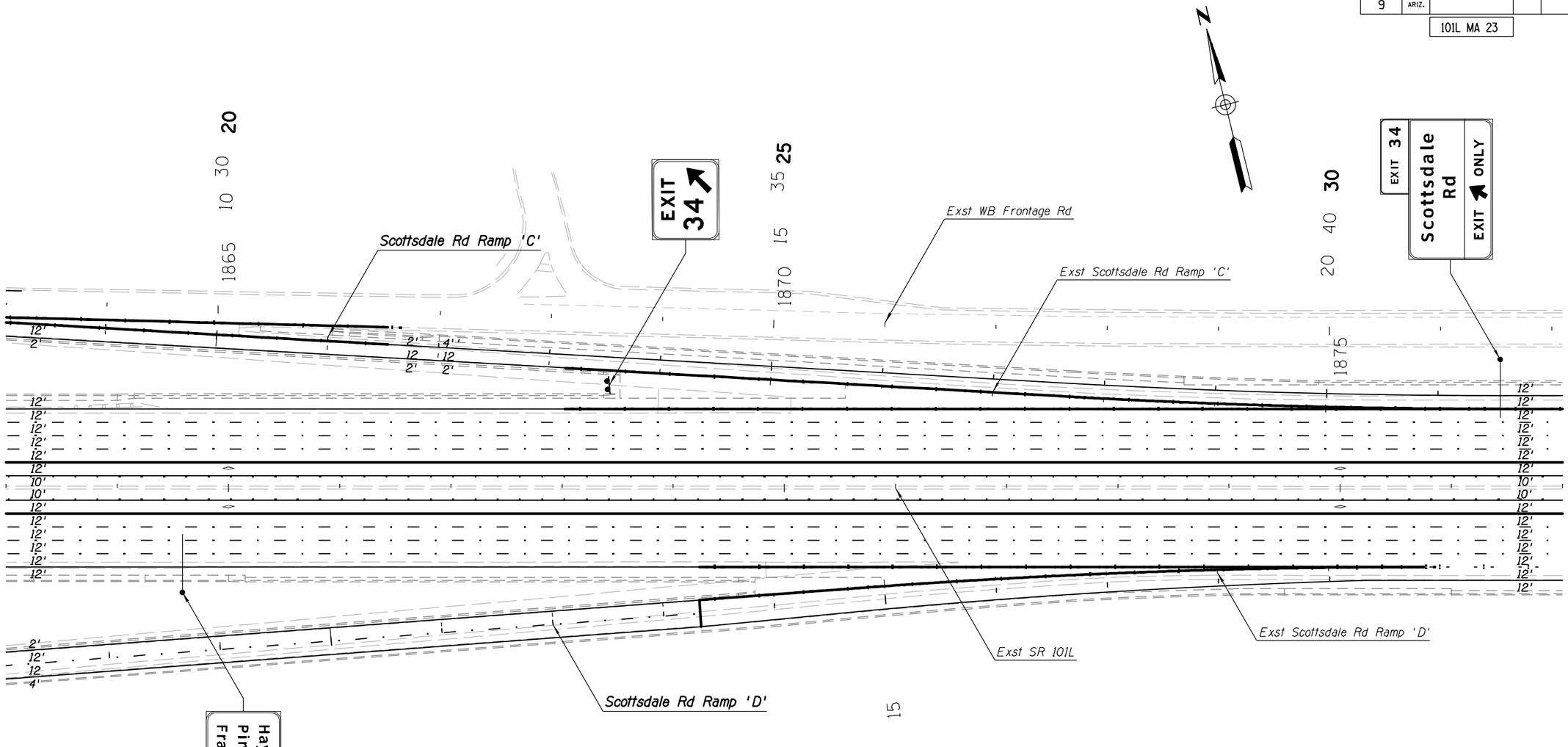
___ OF ___

NO. | DESCRIPTION OF REVISION | DATE | MADE BY

4/25/2016 U:\PIMA03\Prod\tra\t8297p41.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



Hayden Rd 1/2
Pima Rd - Princess Dr 1 1/2
Frank Lloyd Wright Blvd 2 1/2

APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1863+00 to Sta 1877+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.42
___ OF ___

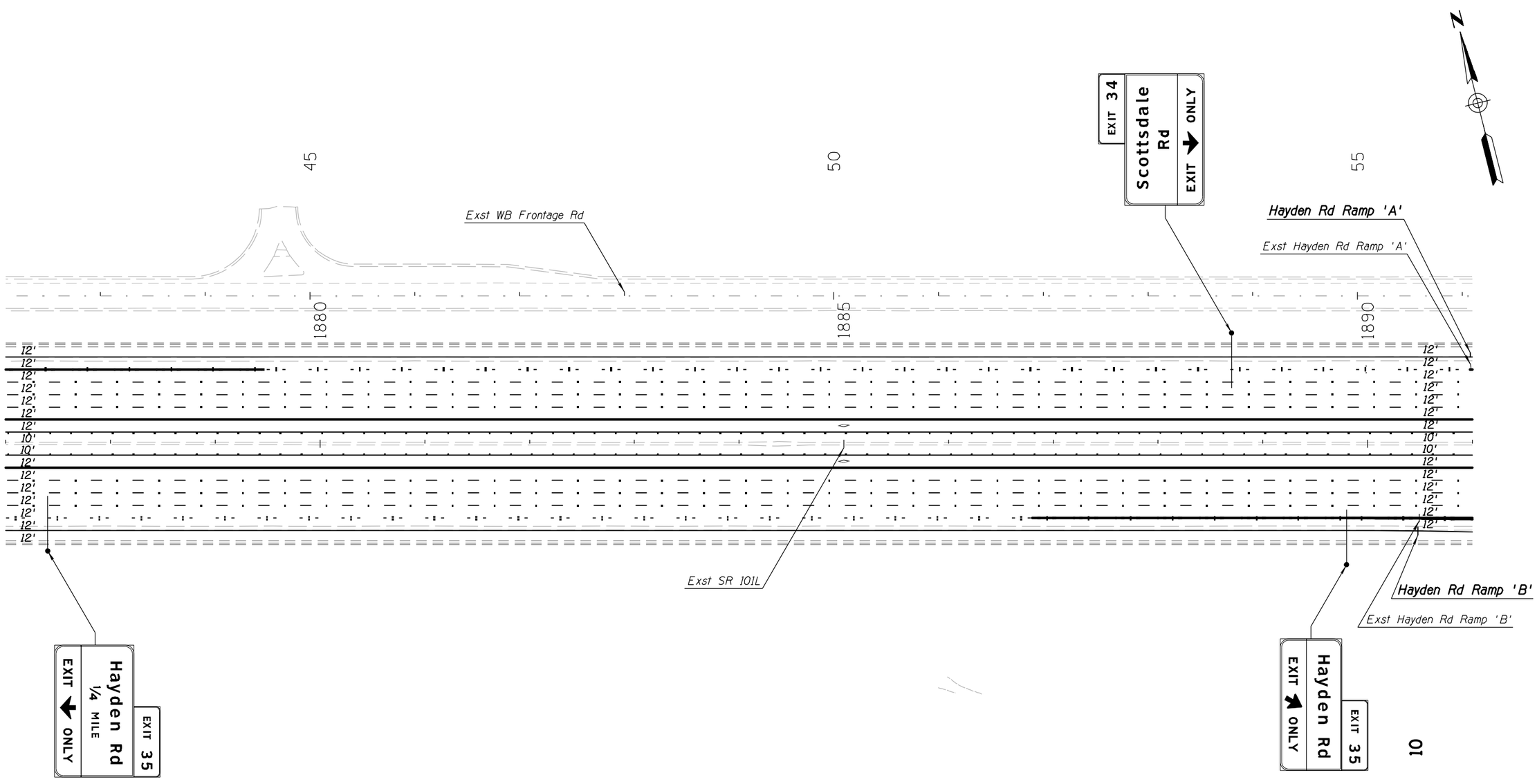
NO. | DESCRIPTION OF REVISION | DATE | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\tra\t8297p42.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

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Phoenix, Arizona 85016
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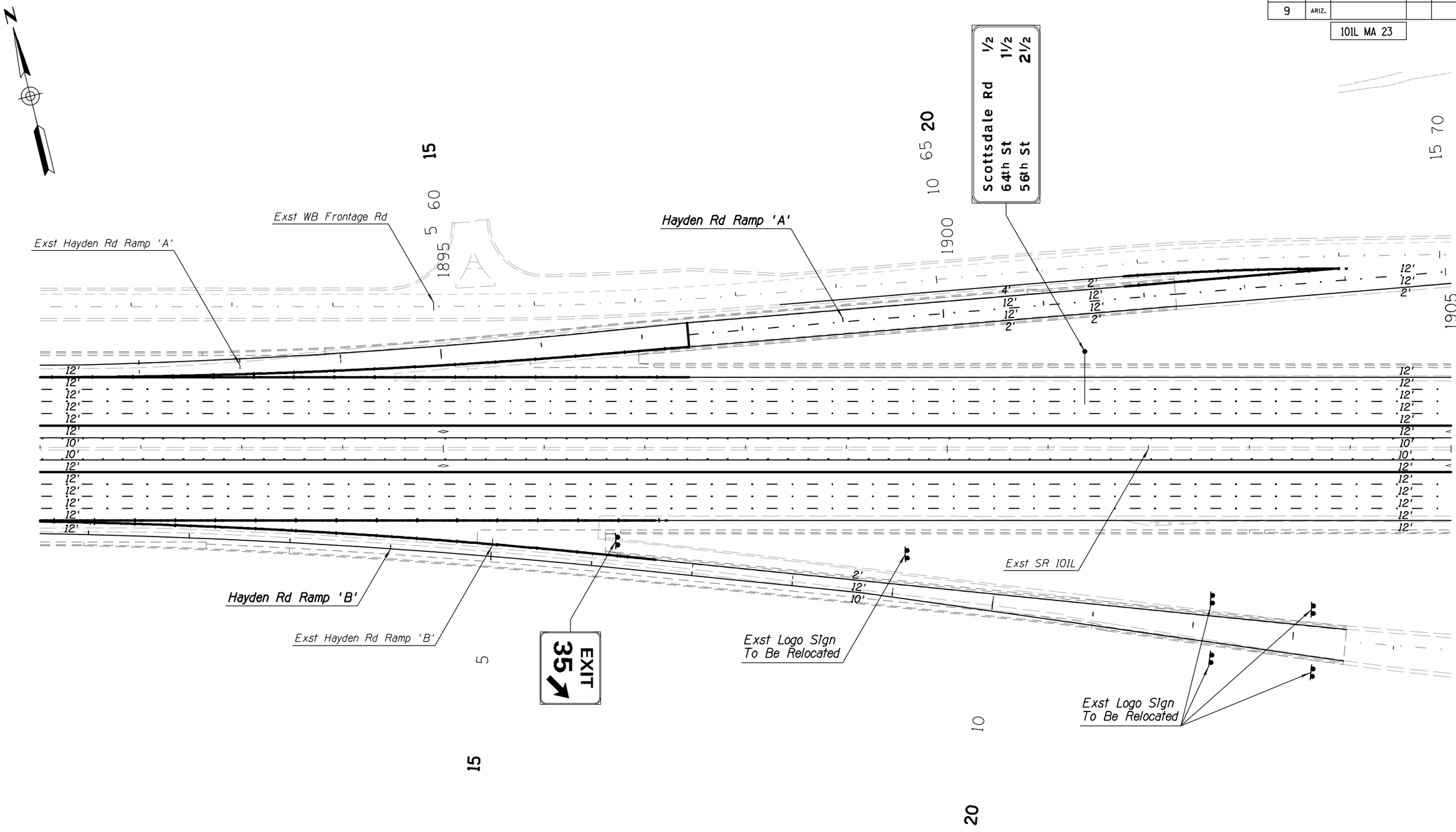
PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1877+00 to Sta 1891+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO. T-1.43
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1891+00 to Sta 1905+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

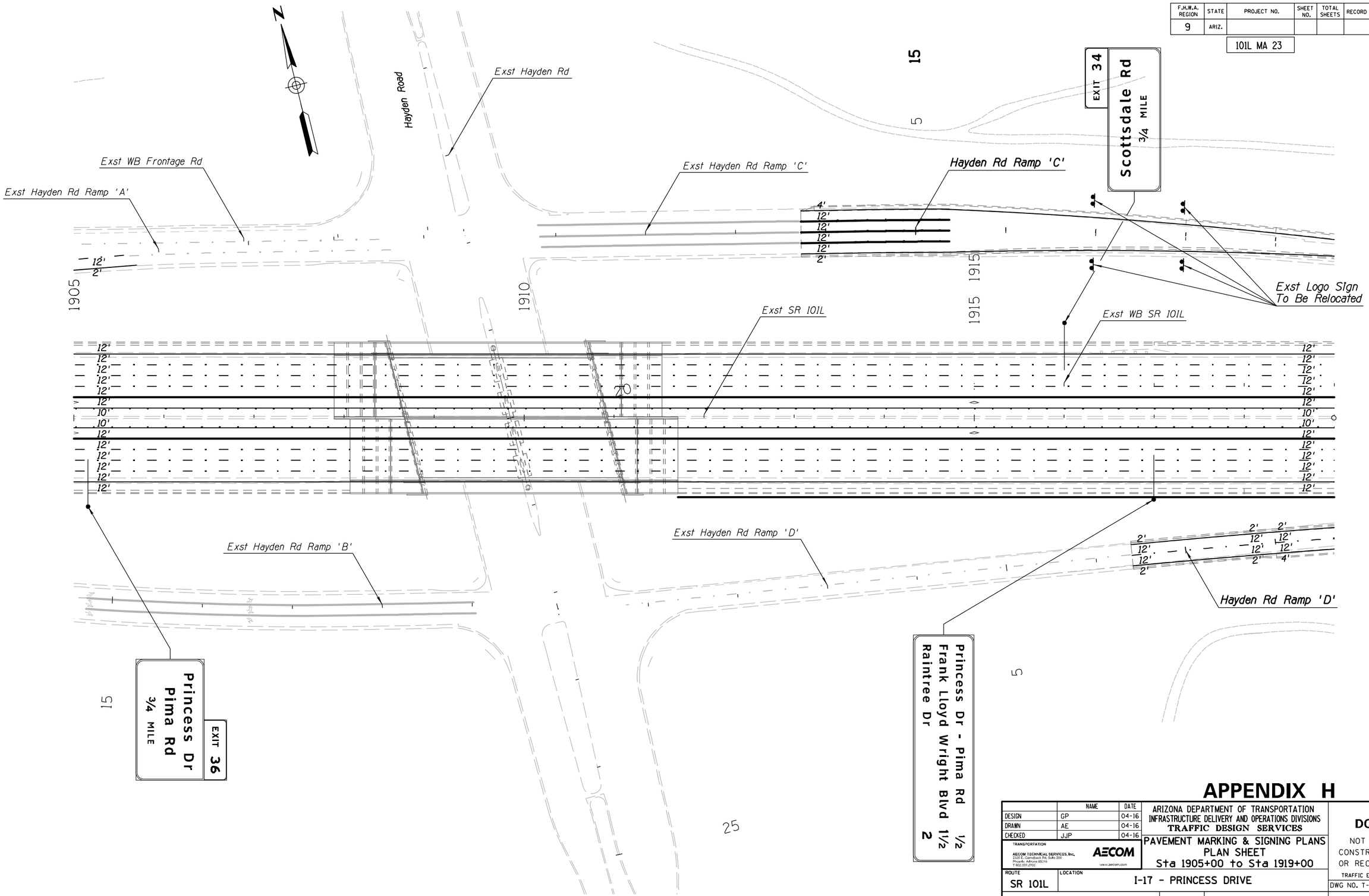
DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.44
___ OF ___

NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\tra\t8297p44.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1905+00 to Sta 1919+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-1.45

TRACS NO. H8297 01L

___ OF ___

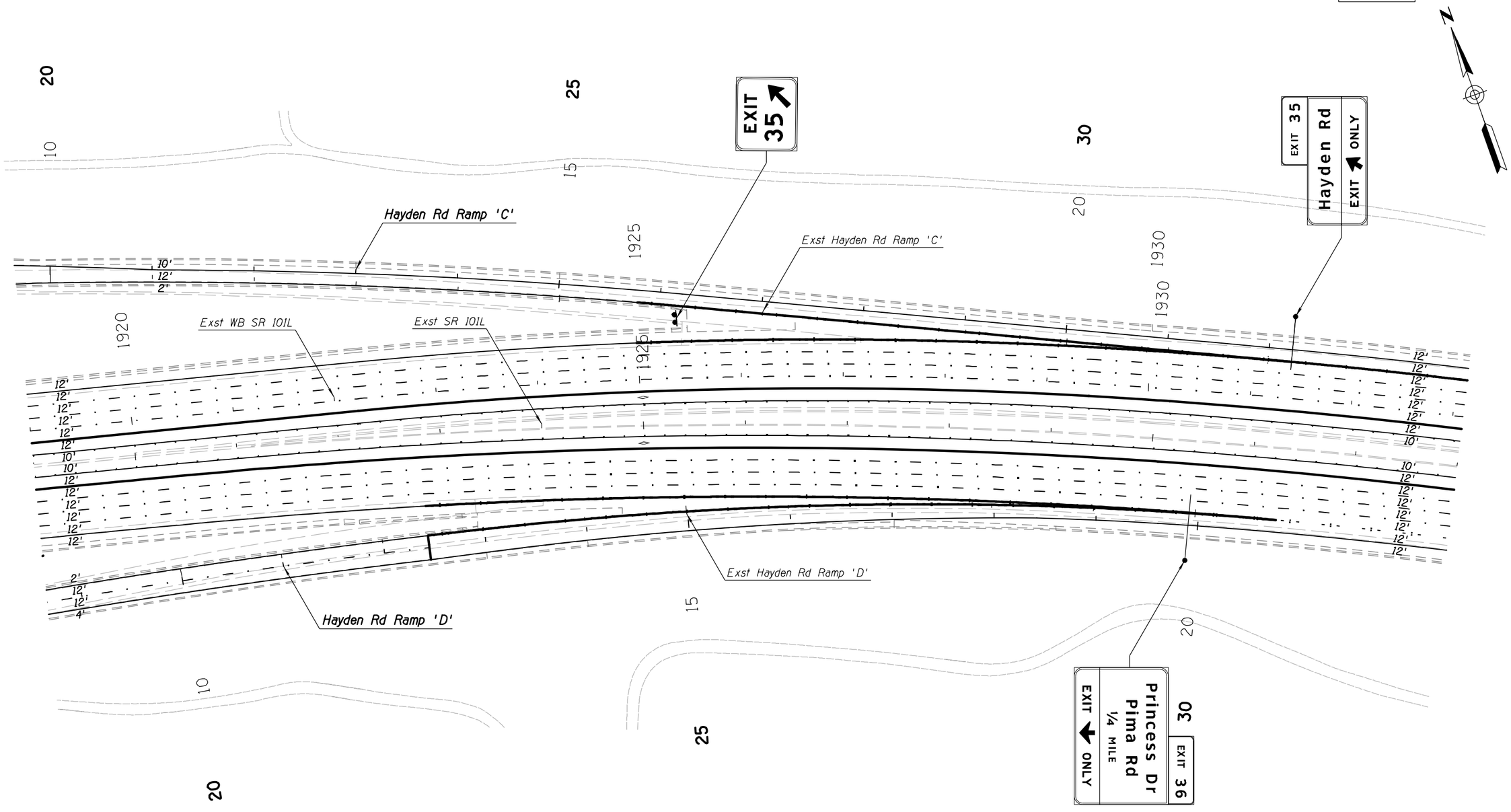
NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\tra\t8297p45.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION

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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1919+00 to Sta 1933+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO. T-1.46
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
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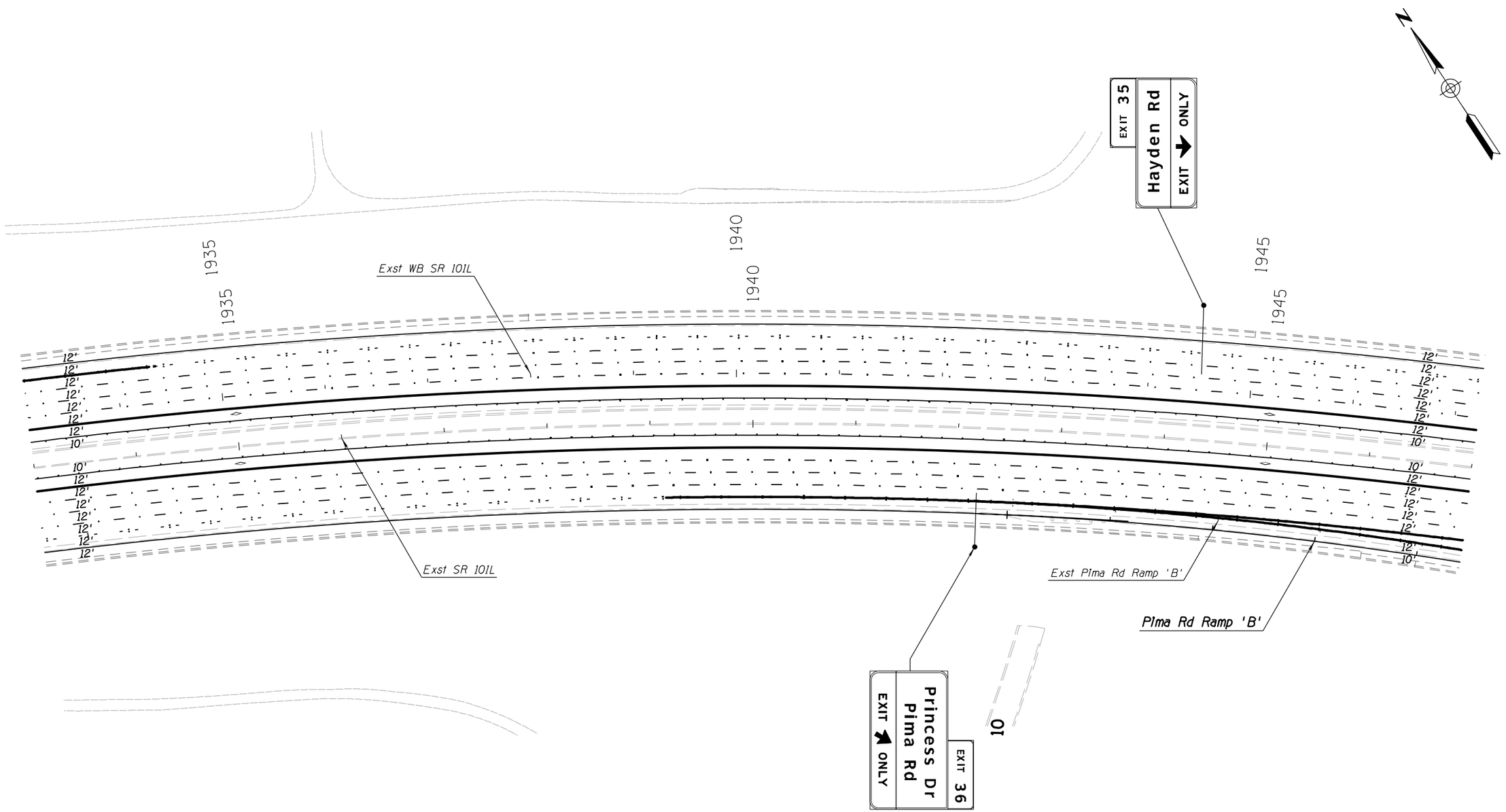
2			



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
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TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1933+00 to Sta 1947+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	T-1.47
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p47.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
NO.2			
NO.1			

Hayden Rd ½
Scottsdale Rd 1½
64th St 2½

Pima Rd Ramp 'A'

Exst Pima Rd Ramp 'A'

Exst WB SR 101L

Exst SR 101L

Exst Pima Rd Ramp 'B'

EXIT 36

Pima Rd Ramp 'B'

Exst Logo Sign To Be Relocated

Exst Logo Sign To Be Relocated

APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
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TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1947+00 to Sta 1961+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	T-1.48
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p48.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	DATE	MADE BY
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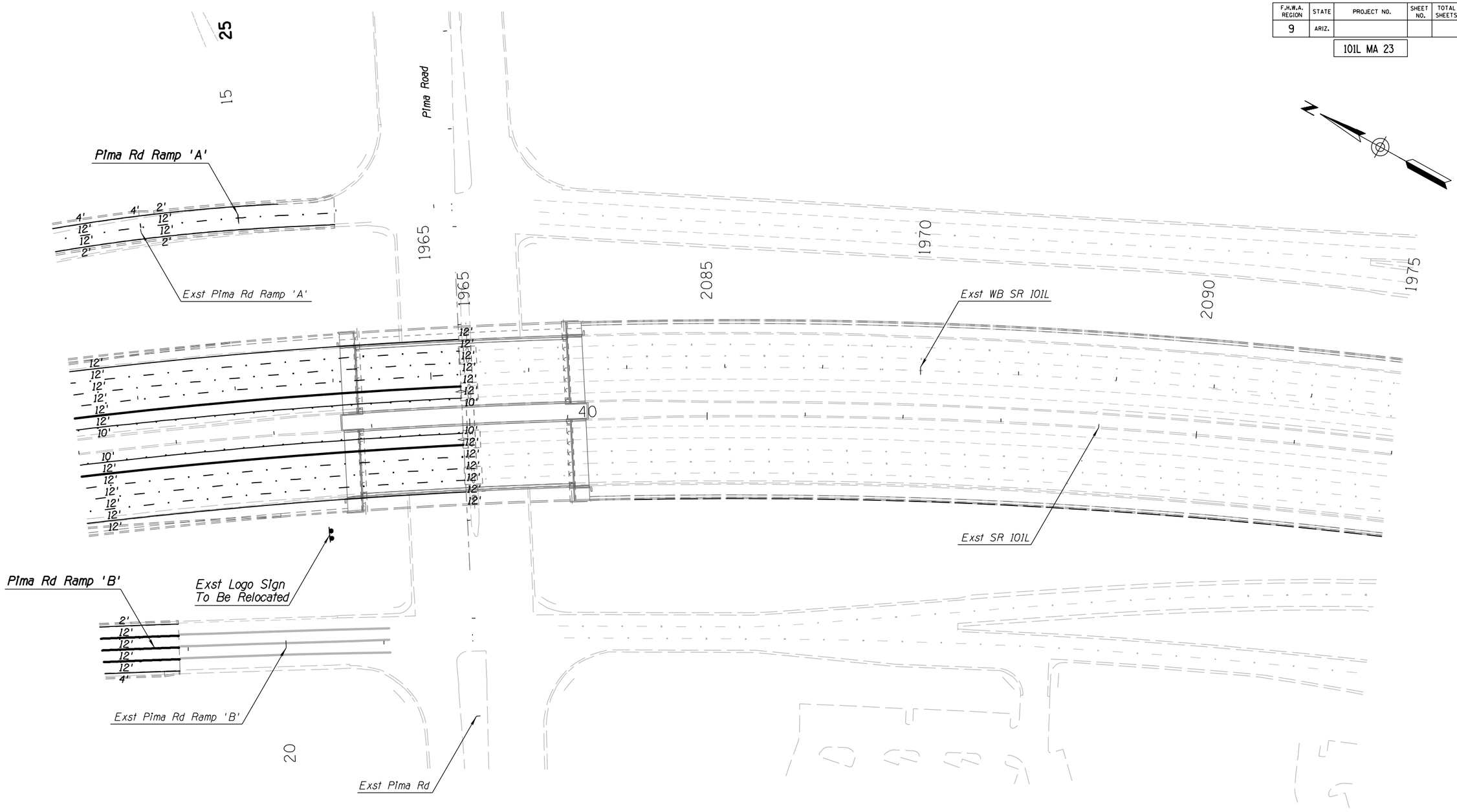
2			



APPENDIX H

	NAME	DATE
DESIGN	GP	04-16
DRAWN	AE	04-16
CHECKED	JJP	04-16

TRANSPORTATION

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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
PLAN SHEET
Sta 1961+00 to Sta 1975+00

ROUTE: SR 101L

LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

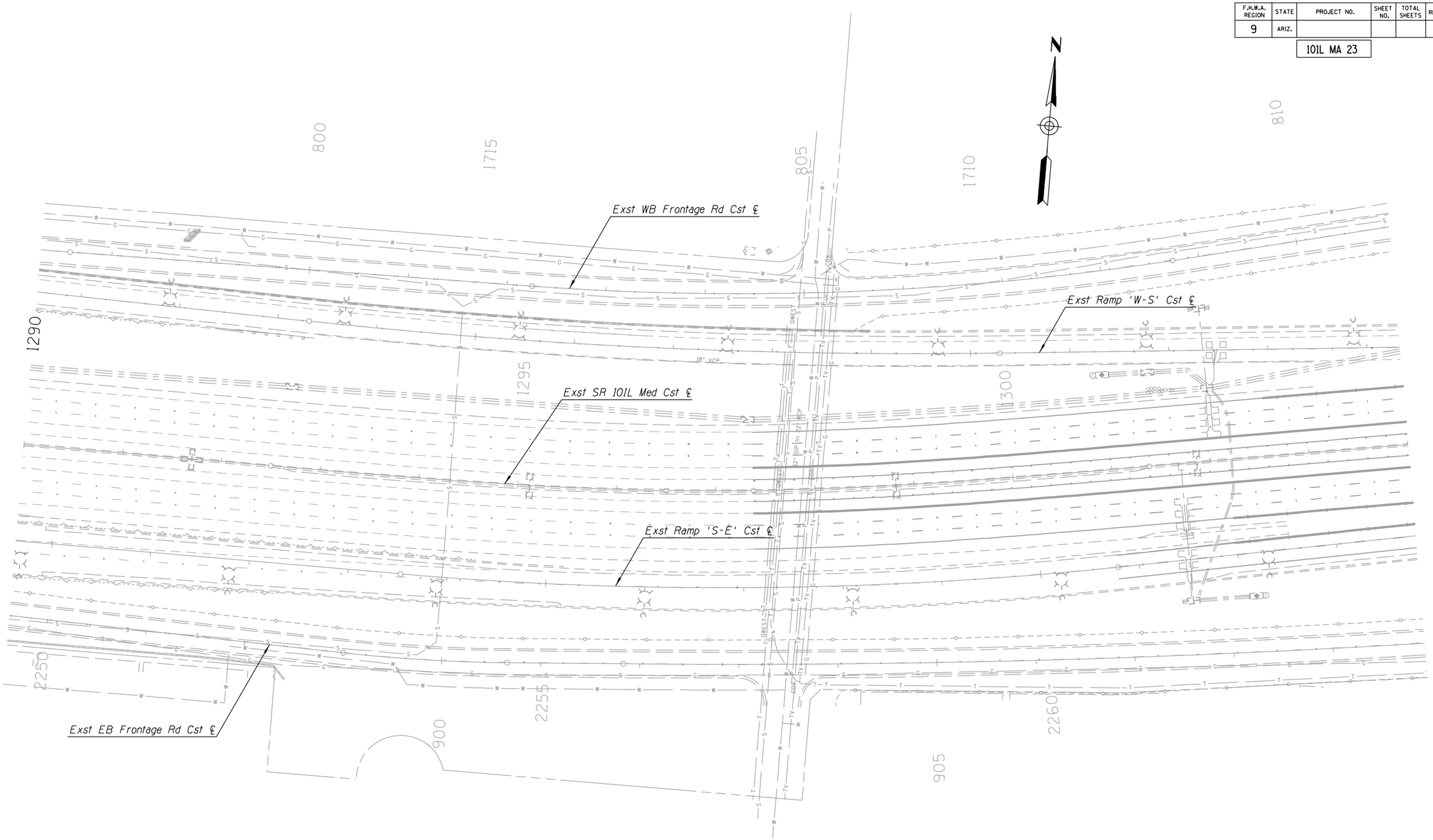
DWG NO. T-1.49

___ OF ___

4/25/2016 U:\PIMA03\Prod\tra\t8297p49.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC ELECTRICAL DESIGN

TRANSPORTATION
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Phoenix, Arizona 85016
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AECOM
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LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1290+00 to Sta 1304+00

DCR

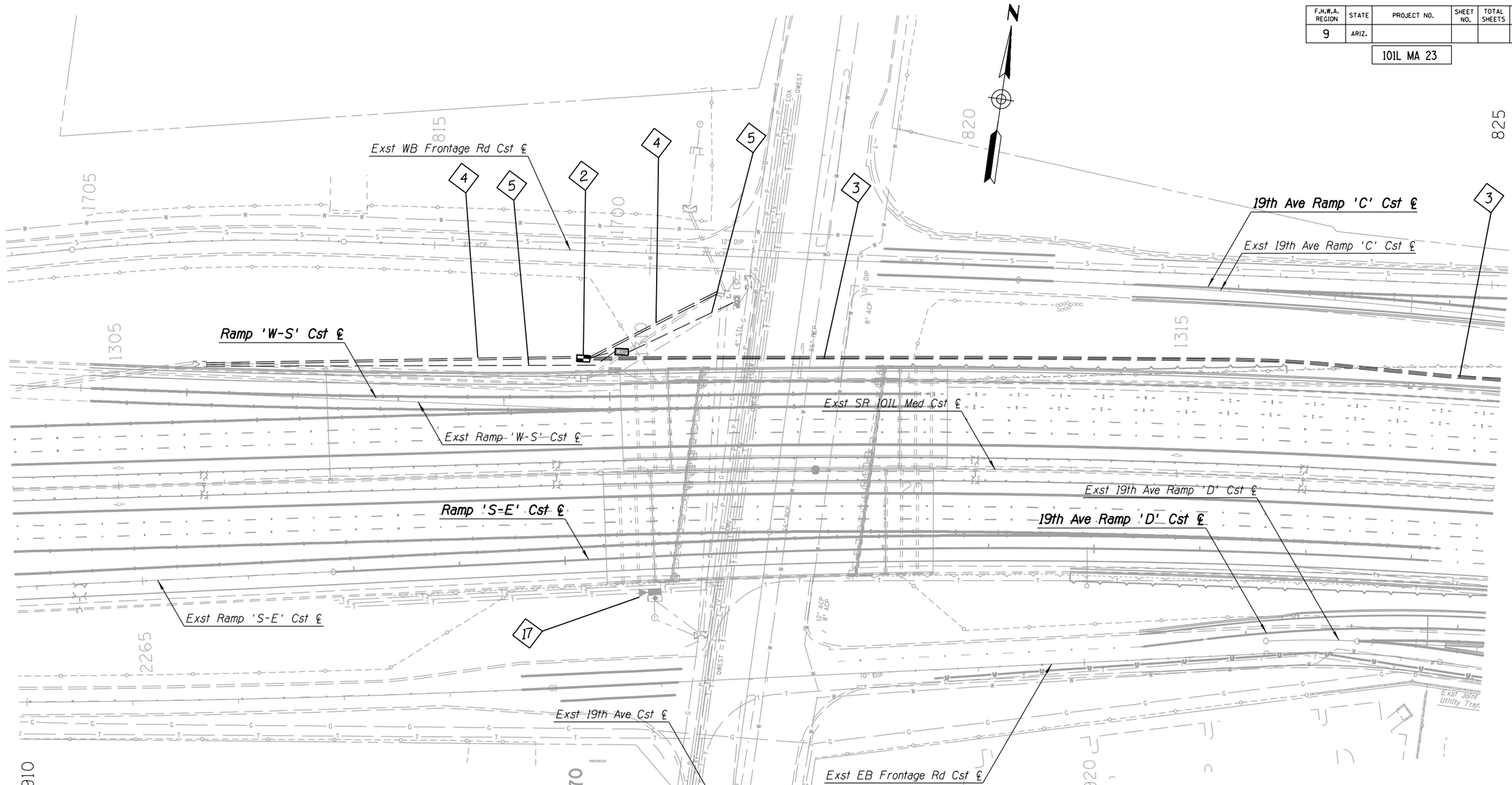
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO. T-2.01
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p01.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
4	Install 2-3" Conduits
5	Install 1-3" Conduit
17	Existing CCTV Camera, Install Lowering Device

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1304+00 to Sta 1318+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

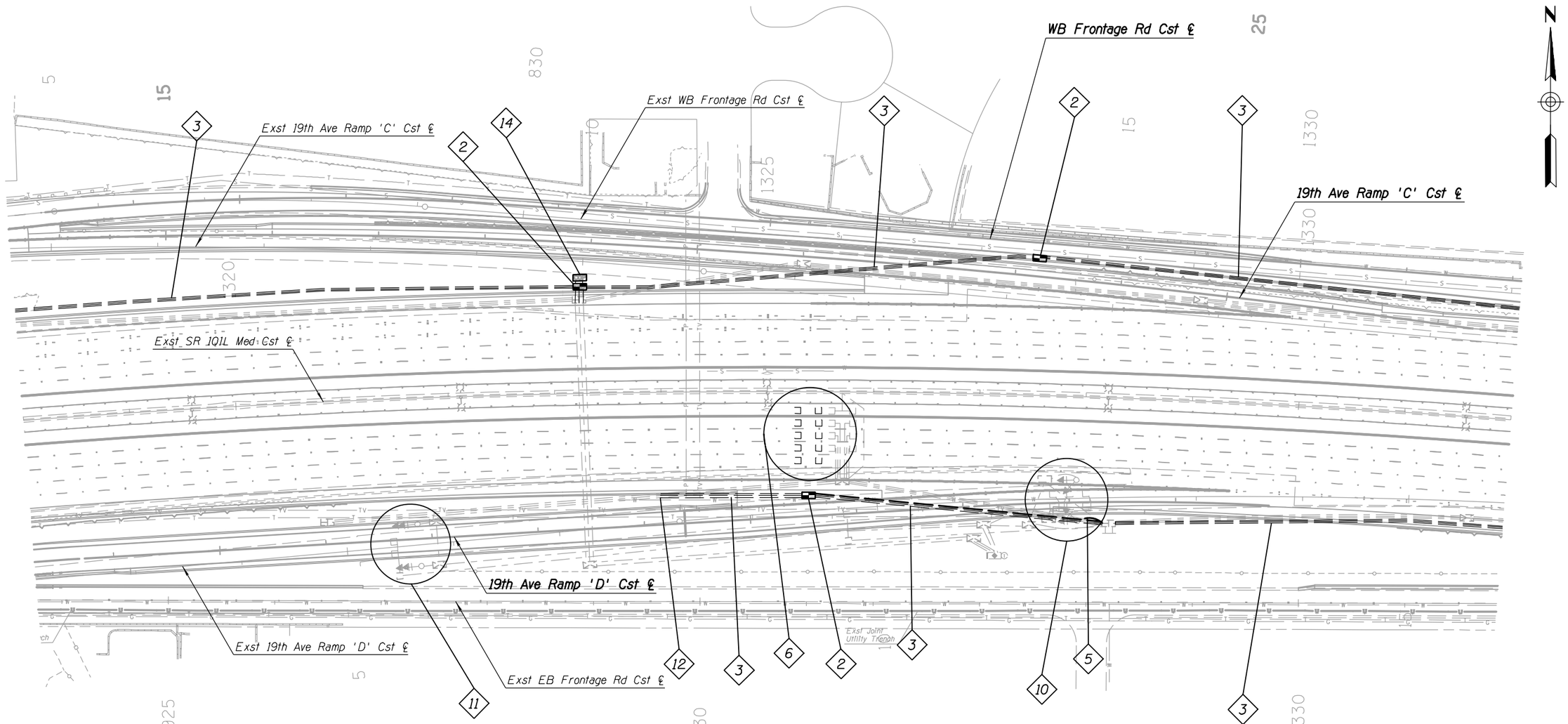
ROUTE	LOCATION	DWG NO. T-2.02
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

NO.1 DESCRIPTION OF REVISION | DATE | MADE BY
NO.2 DESCRIPTION OF REVISION | DATE | MADE BY

4/25/2016 U:\PIMA03\Prod\ele\o8297p02.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
5	Install 1-3" Conduit
6	Install Twelve 6'x 6' Detector Loops
10	Relocate Ramp Meters
11	Relocate Flashers
12	Intercept Existing Conduit
14	Relocate COP Pull Box

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1318+00 to Sta 1332+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

DWG NO. T-2.03

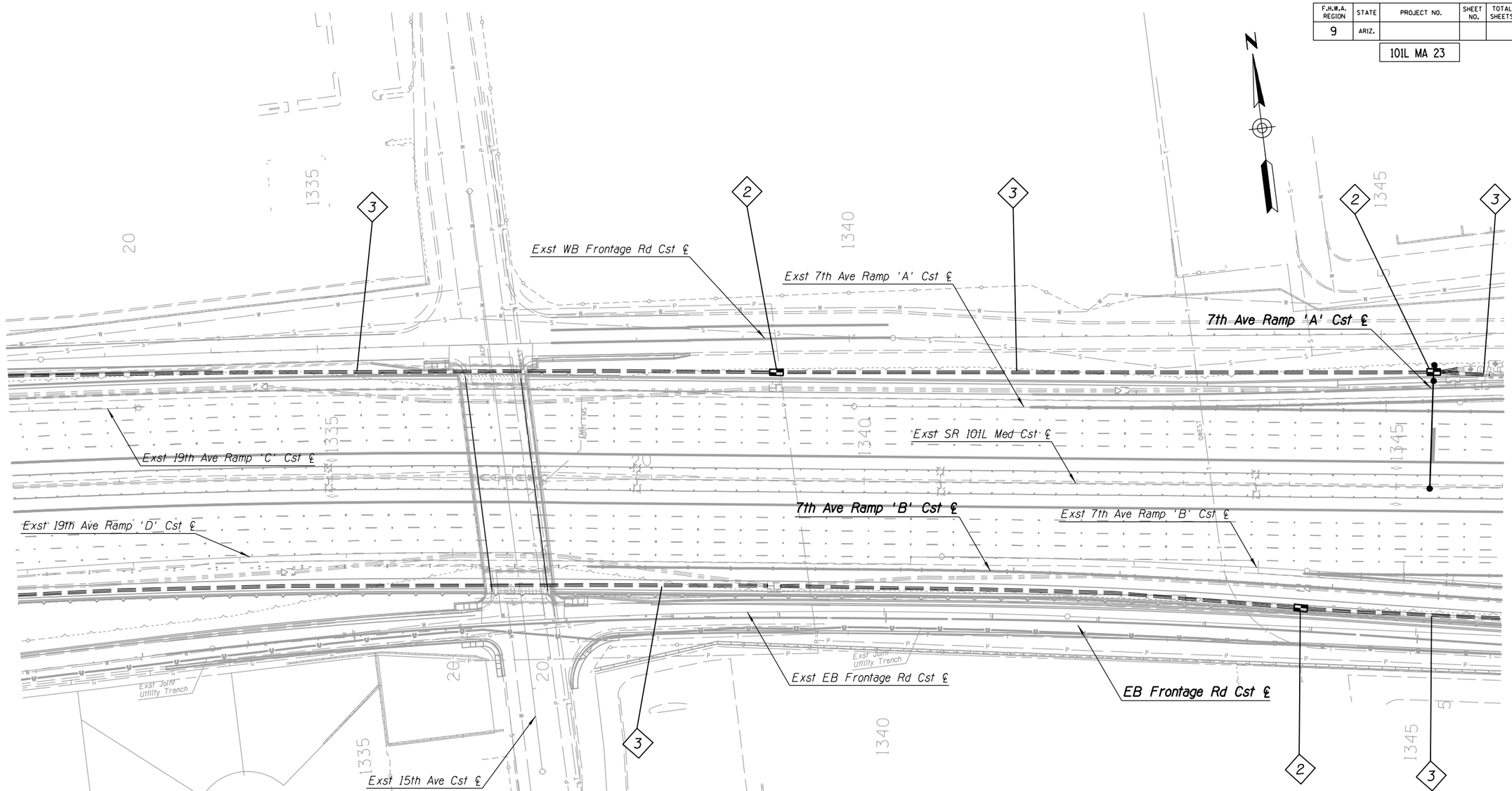
___ OF ___

NO. | DESCRIPTION OF REVISION | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\ele\o8297p03.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits

NO.	DESCRIPTION OF REVISION	DATE	MADE BY
1			
2			

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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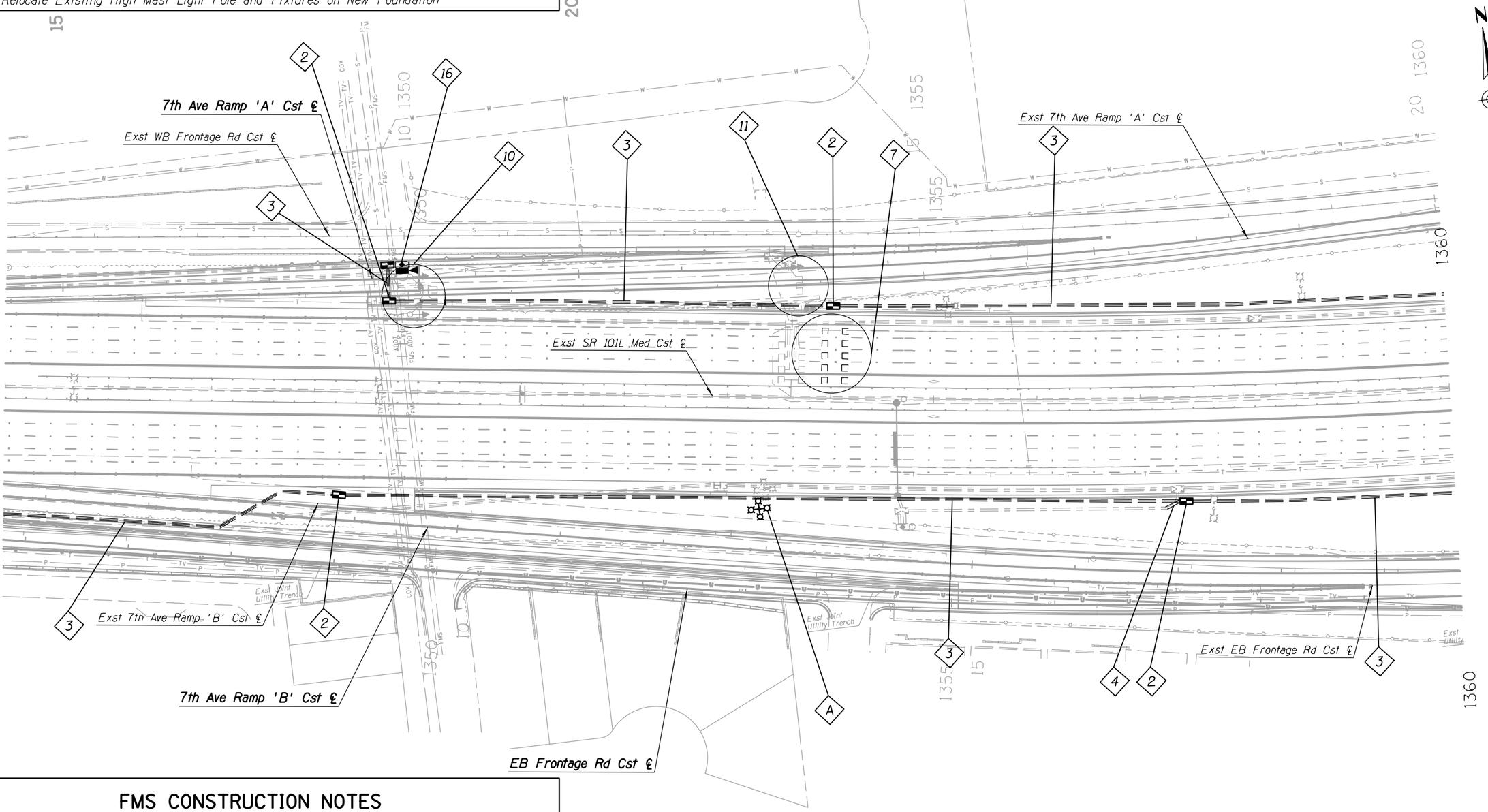
ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
TRACS NO. H8297 01L
DWG NO. T-2.04
___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p04.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

#	LIGHTING CONSTRUCTION NOTES
A	Relocate Existing High Mast Light Pole and Fixtures on New Foundation



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
4	Install 2-3" Conduits
7	Install Ten 6'x 6' Detector Loops
10	Relocate Ramp Meters
11	Relocate Flashers
16	Install CCTV Camera , Pole, Lowering Device, and Cabinet

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
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LIGHTING AND FMS PLANS
PLAN SHEET
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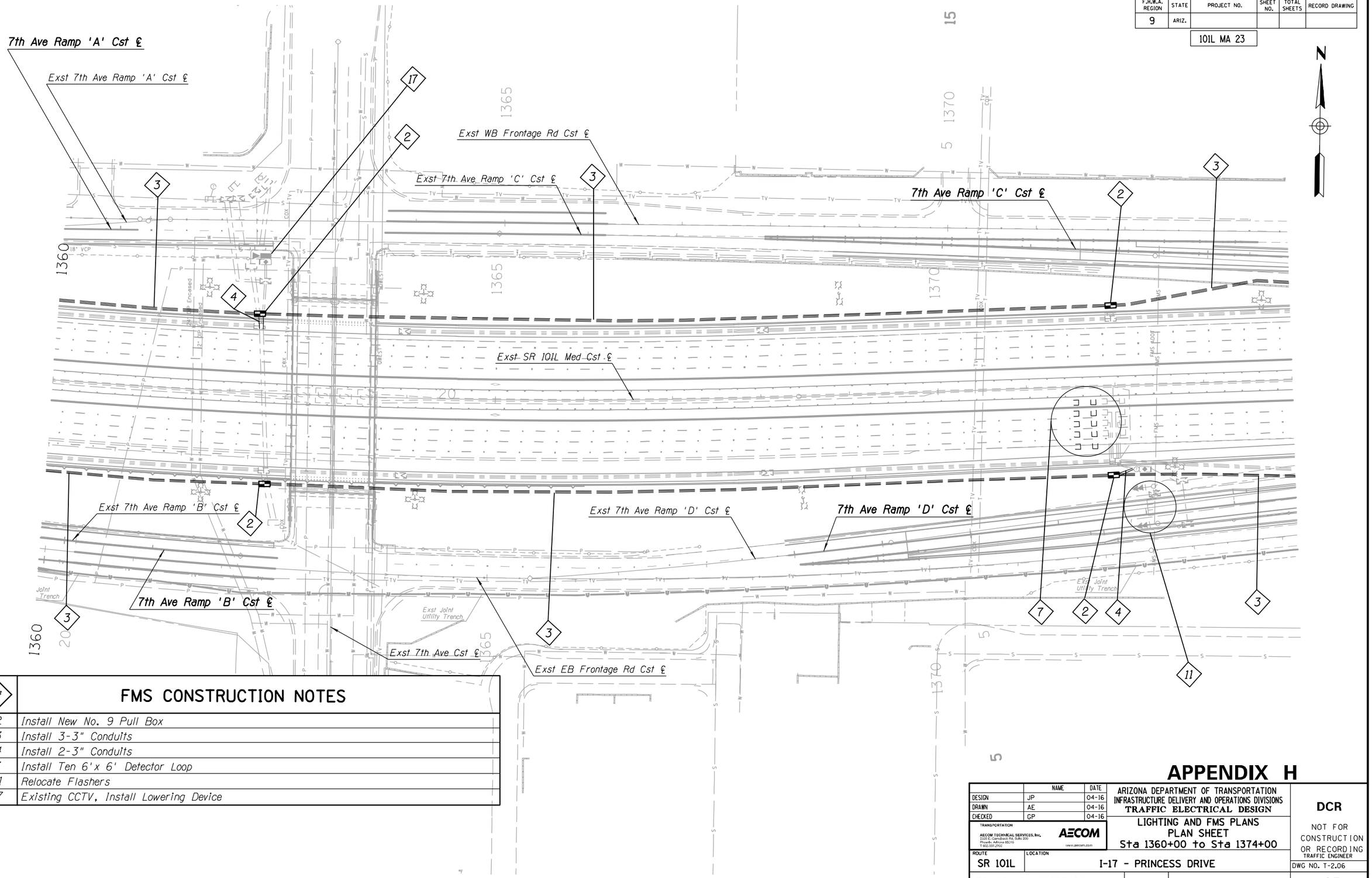
ROUTE	LOCATION	DWG NO. T-2.05
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p05.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
4	Install 2-3" Conduits
7	Install Ten 6'x 6' Detector Loop
11	Relocate Flashers
17	Existing CCTV, Install Lowering Device

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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PLAN SHEET
Sta 1360+00 to Sta 1374+00

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TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. T-2.06

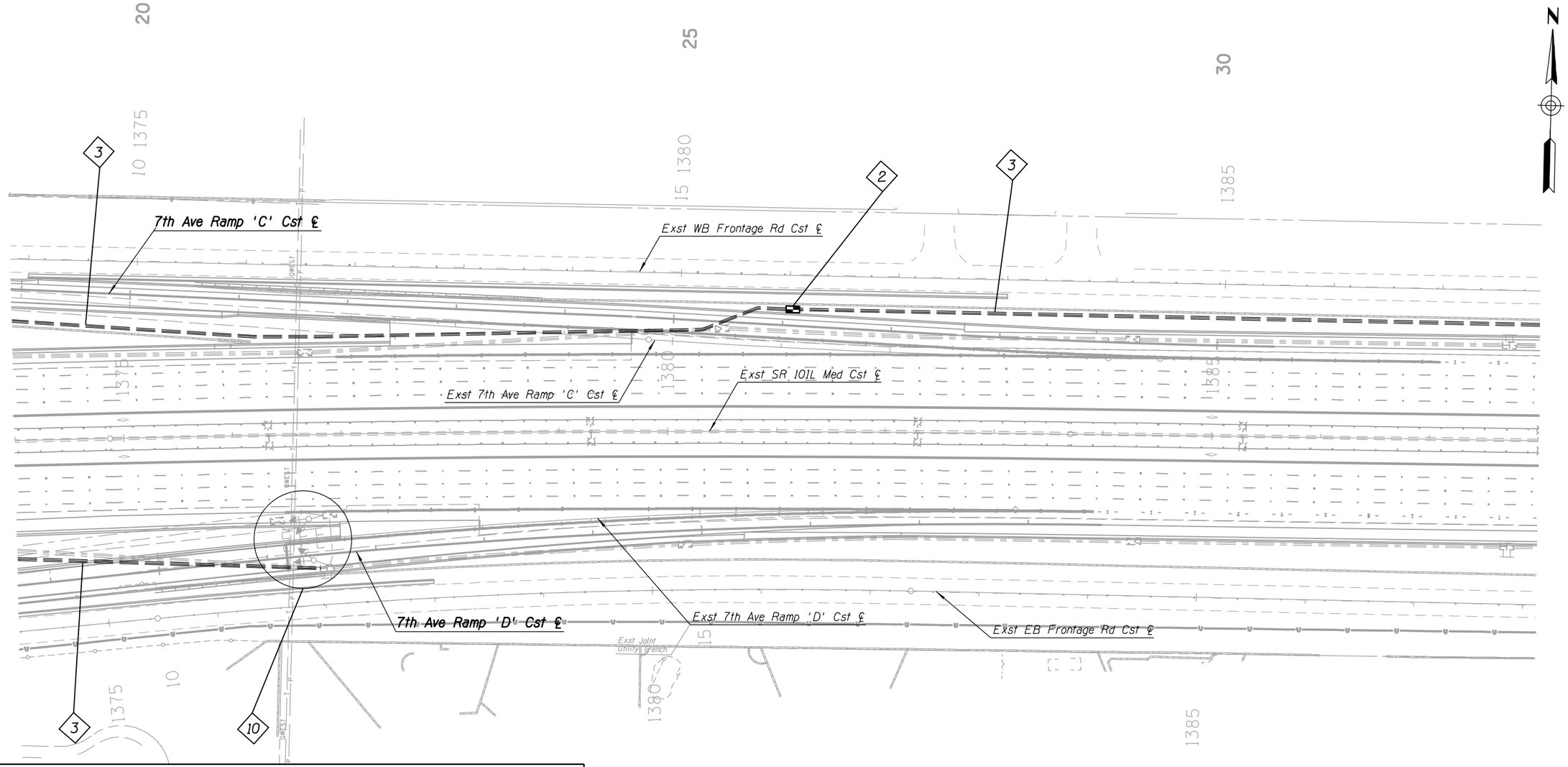
TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p06.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
10	Relocate Ramp Meters

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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PLAN SHEET
Sta 1374+00 to Sta 1388+00

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TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-2.07
TRACS NO. H8297 01L
___ OF ___

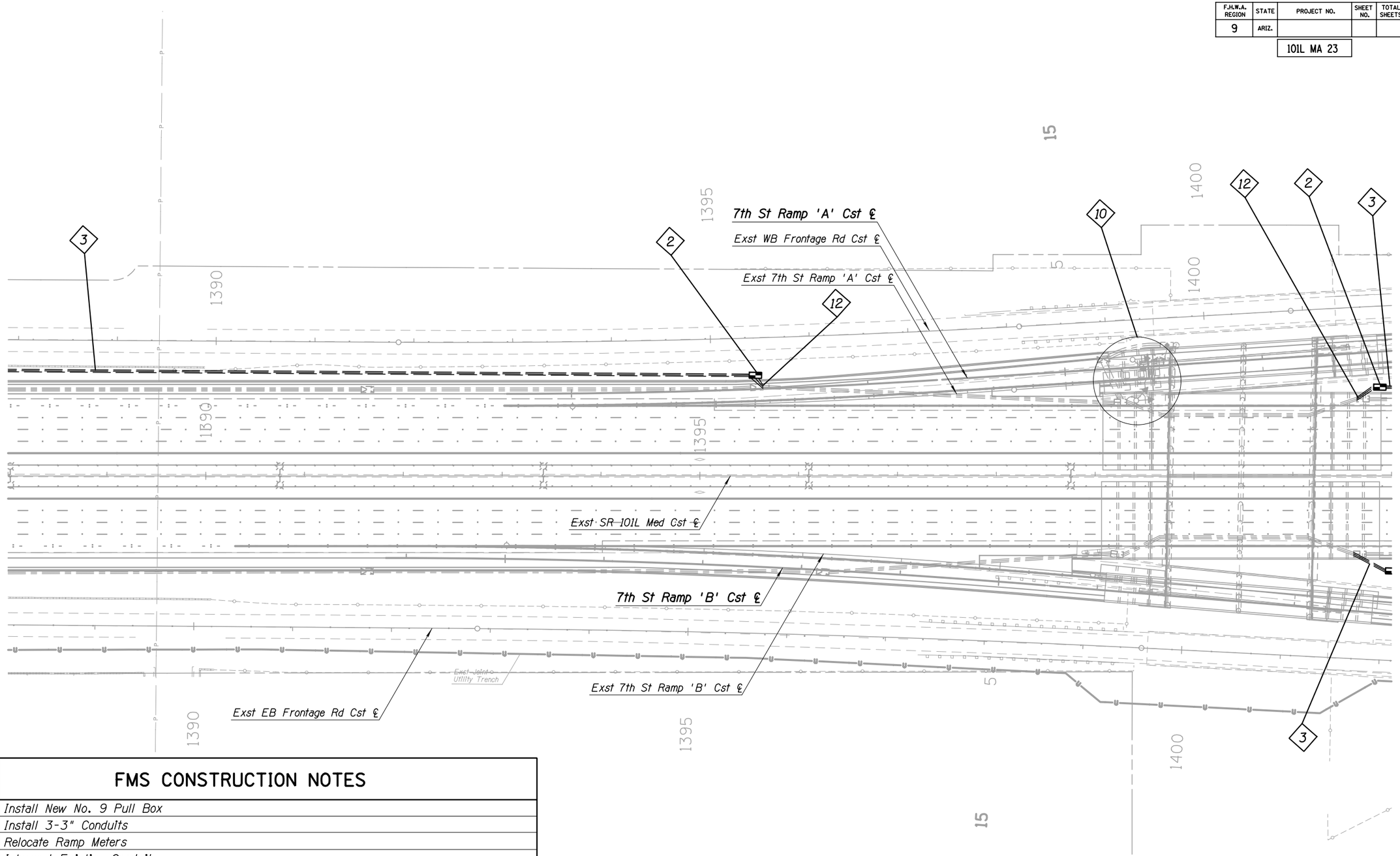
NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\ele\o8297p07.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	DATE	MADE BY
NO.1			
NO.2			



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
10	Relocate Ramp Meters
12	Intercept Existing Conduit

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1388+00 to Sta 1402+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

DWG NO. T-2.08

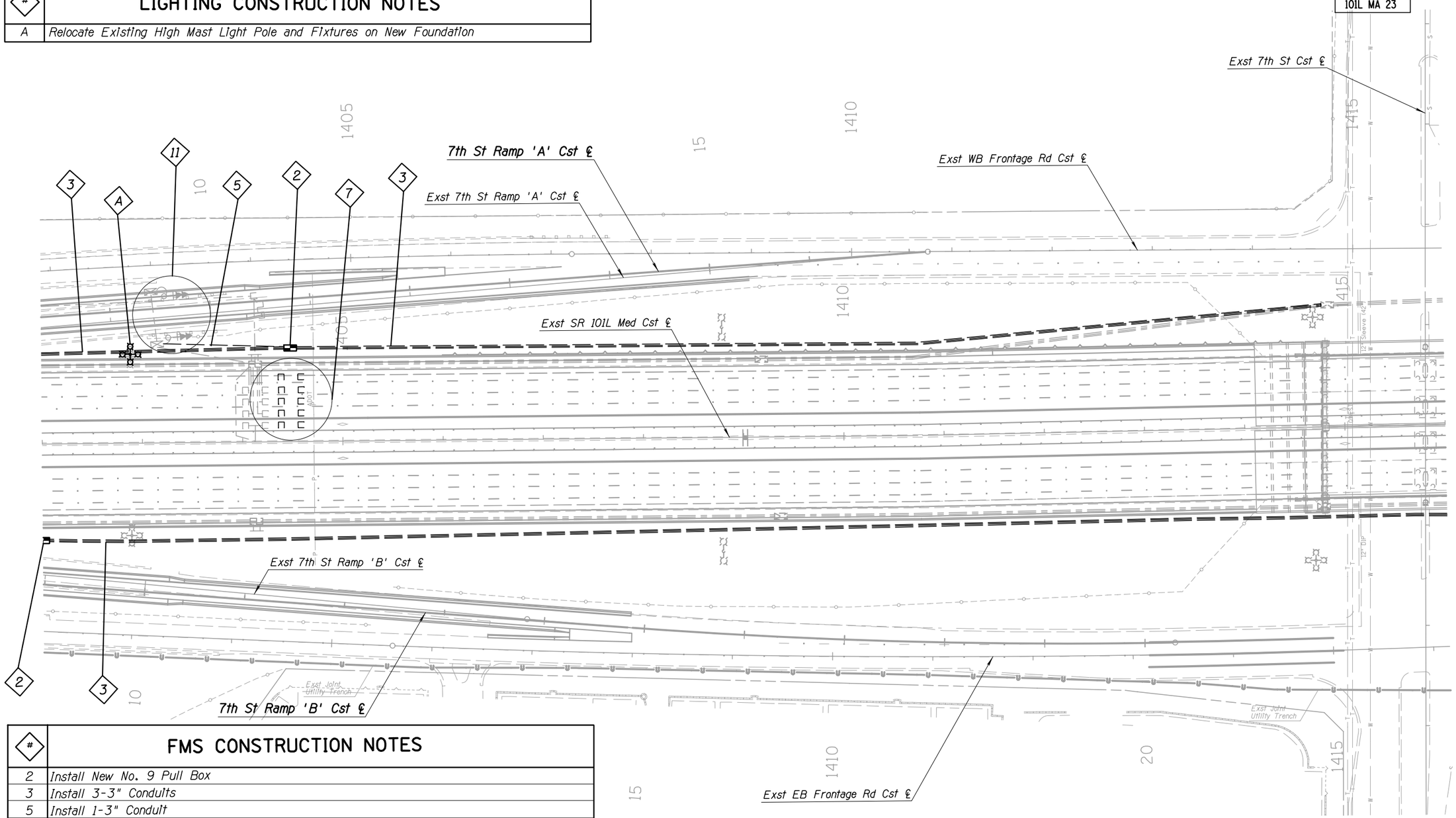
___ OF ___

4/26/2016 U:\PIMA03\Prod\ele\a8297p08.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

#	LIGHTING CONSTRUCTION NOTES
A	Relocate Existing High Mast Light Pole and Fixtures on New Foundation



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
5	Install 1-3" Conduit
7	Install Ten 6'x 6' Detector Loop
11	Relocate Flashers

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1402+00 to Sta 1416+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR
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TRAFFIC ENGINEER

DWG NO. T-2.09

___ OF ___

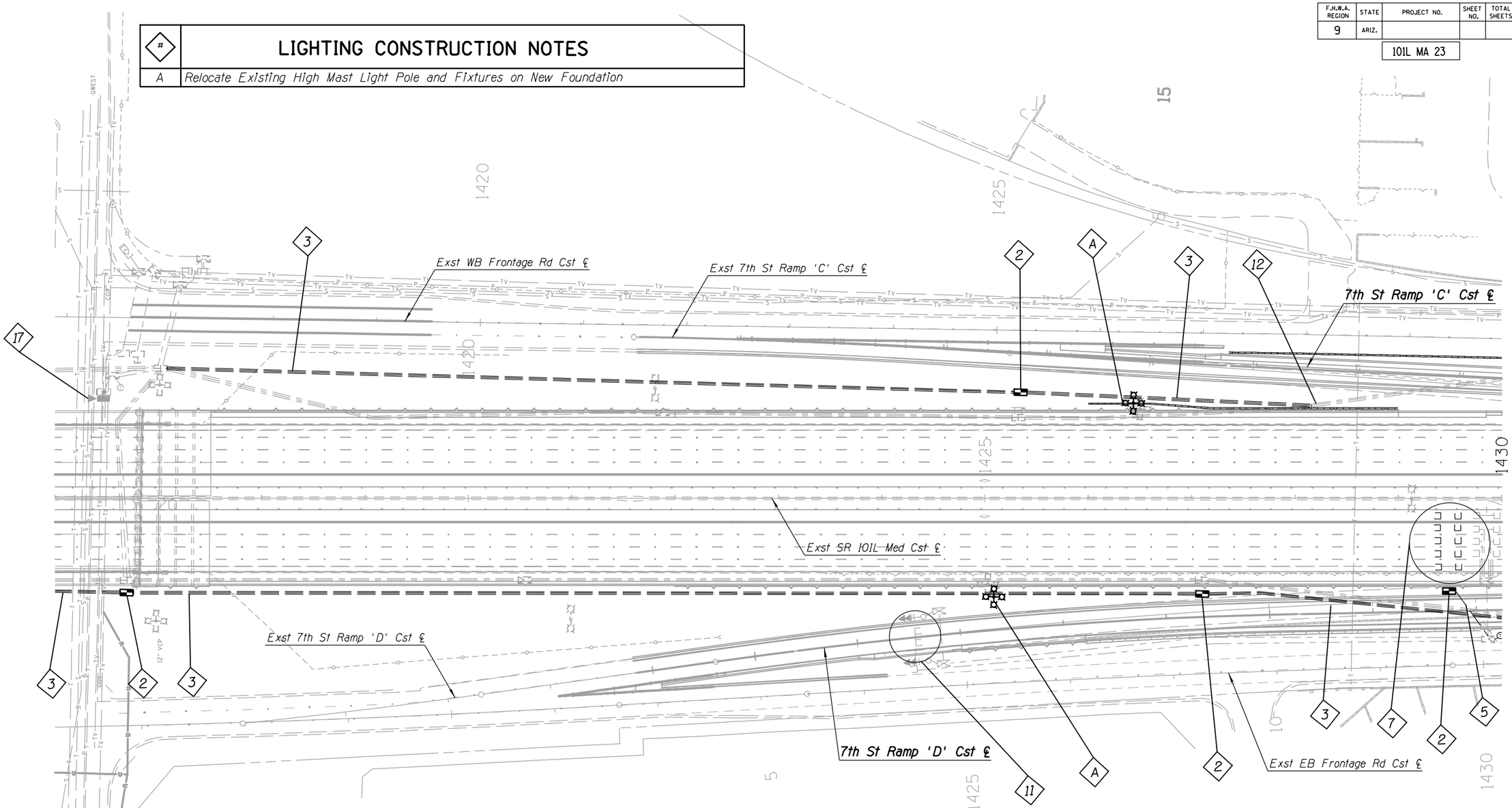
NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			

4/26/2016 U:\PIMA03\Prod\ele\o8297p09.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

#	LIGHTING CONSTRUCTION NOTES
A	Relocate Existing High Mast Light Pole and Fixtures on New Foundation



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
5	Install 1-3" Conduit
7	Install Ten 6'x 6' Detector Loops
11	Relocate Flashers
12	Intercept Existing Conduit
17	Existing CCTV Camera, Install Lowering Device

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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PLAN SHEET
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ROUTE	LOCATION	DWG NO. T-2.10
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

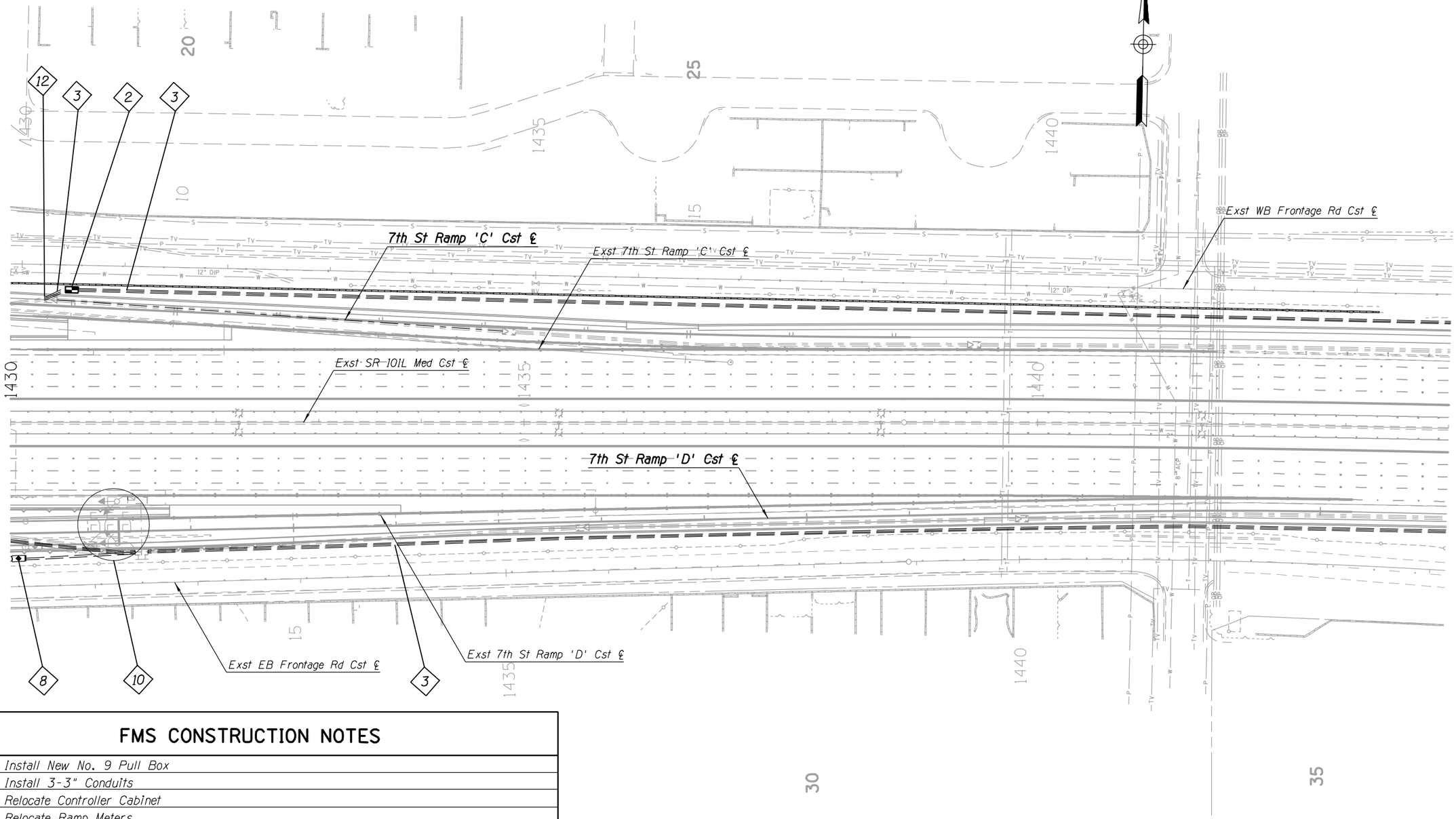
NO.	DESCRIPTION OF REVISION	DATE	MADE BY
1			
2			

4/25/2016 U:\PIMA03\Prod\ele\o8297p10.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
NO.2			
NO.1			



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
8	Relocate Controller Cabinet
10	Relocate Ramp Meters
12	Intercept Existing Conduit

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

DWG NO. T-2.11

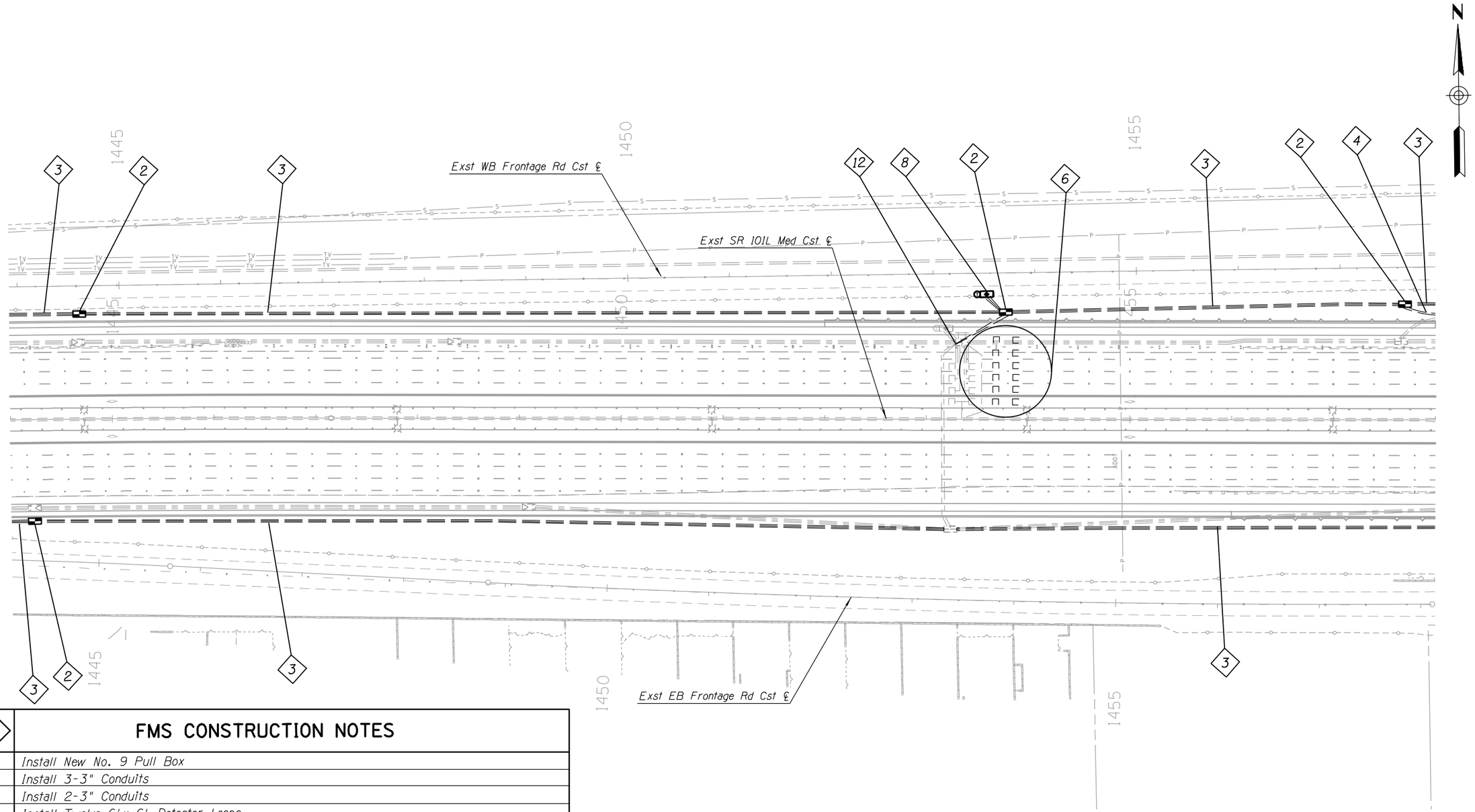
___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p11.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	DATE	MADE BY
2			
1			



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
4	Install 2-3" Conduits
6	Install Twelve 6'x 6' Detector Loops
8	Relocate Controller Cabinet
12	Intercept Existing Conduit

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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PLAN SHEET
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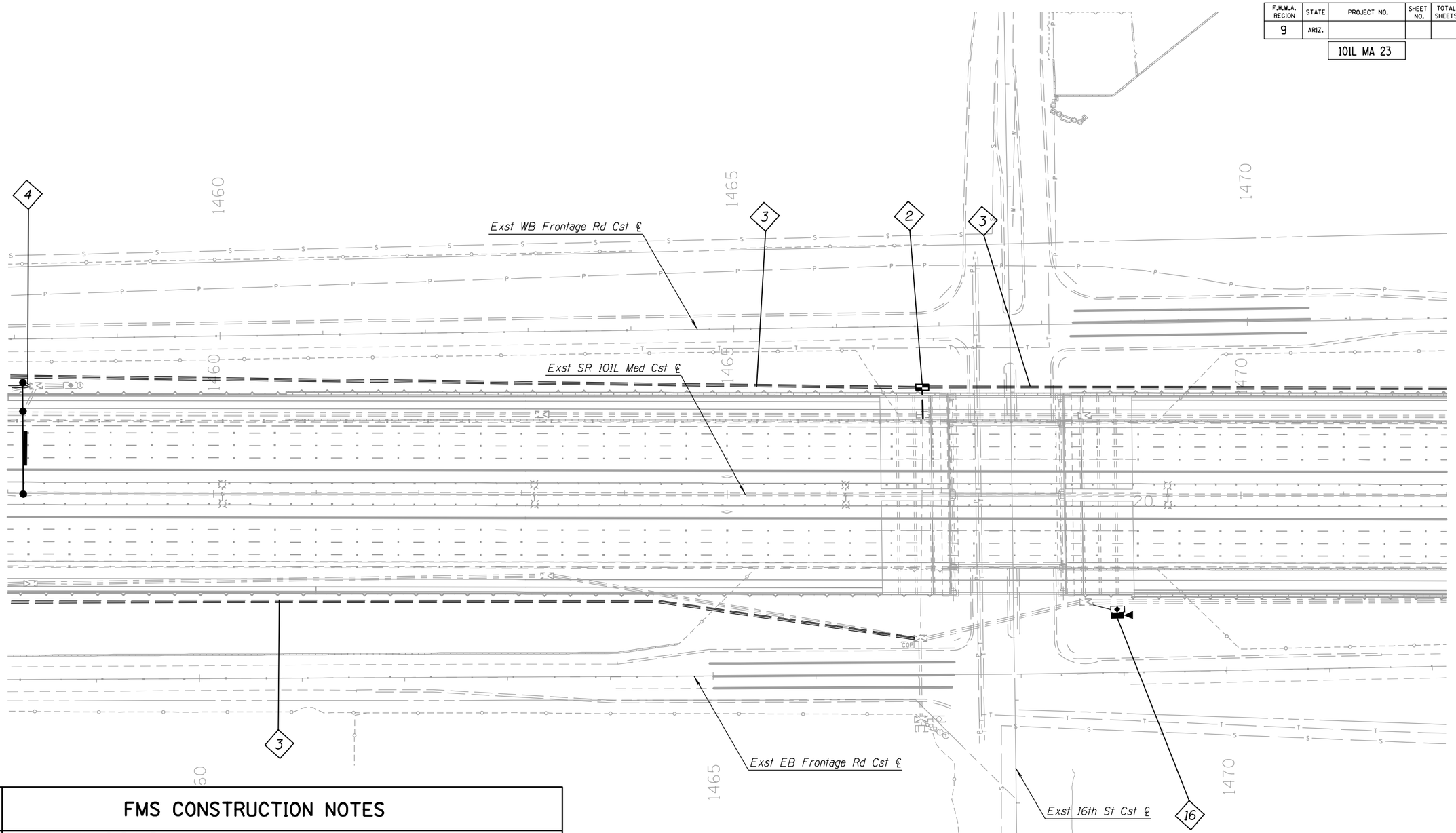
ROUTE	LOCATION	DWG NO. T-2.12
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p12.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
4	Install 2-3" Conduits
16	Install CCTV Camera, Pole, Lowering Device, and Cabinet

NO.1 | DESCRIPTION OF REVISION | DATE | MADE BY

NO.2 | DESCRIPTION OF REVISION | DATE | MADE BY

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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DCR

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DWG NO. T-2.13

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

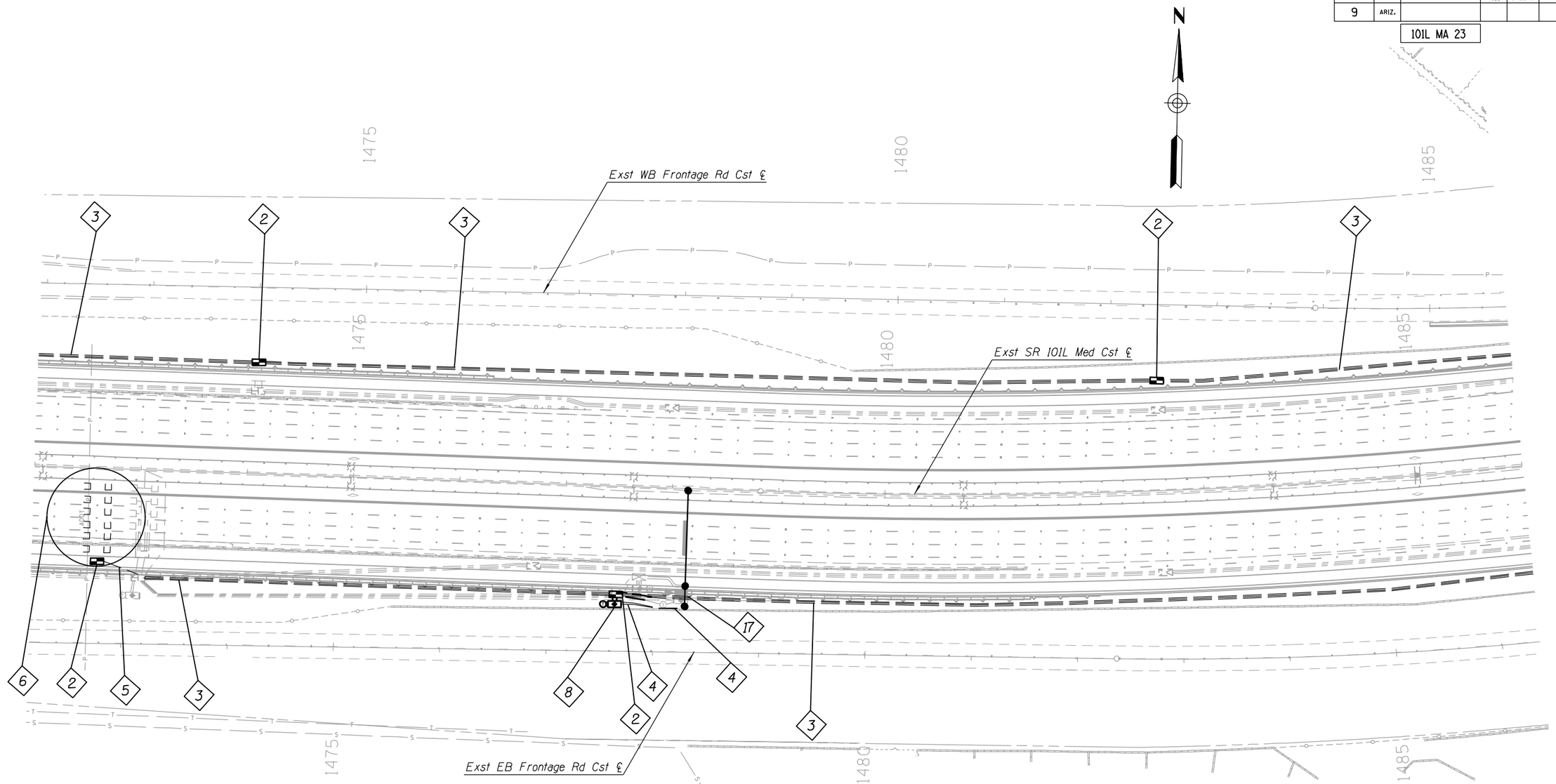
TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p13.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
4	Install 2-3" Conduits
5	Install 1-3" Conduit
6	Install Twelve 6' x 6' Detector Loops
8	Relocate Controller Cabinet
17	Existing CCTV Camera, Install Lowering Device

NO. | DESCRIPTION OF REVISION | MADE BY | DATE

NO.1
NO.2

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1472+00 to Sta 1486+00

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TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-2.14

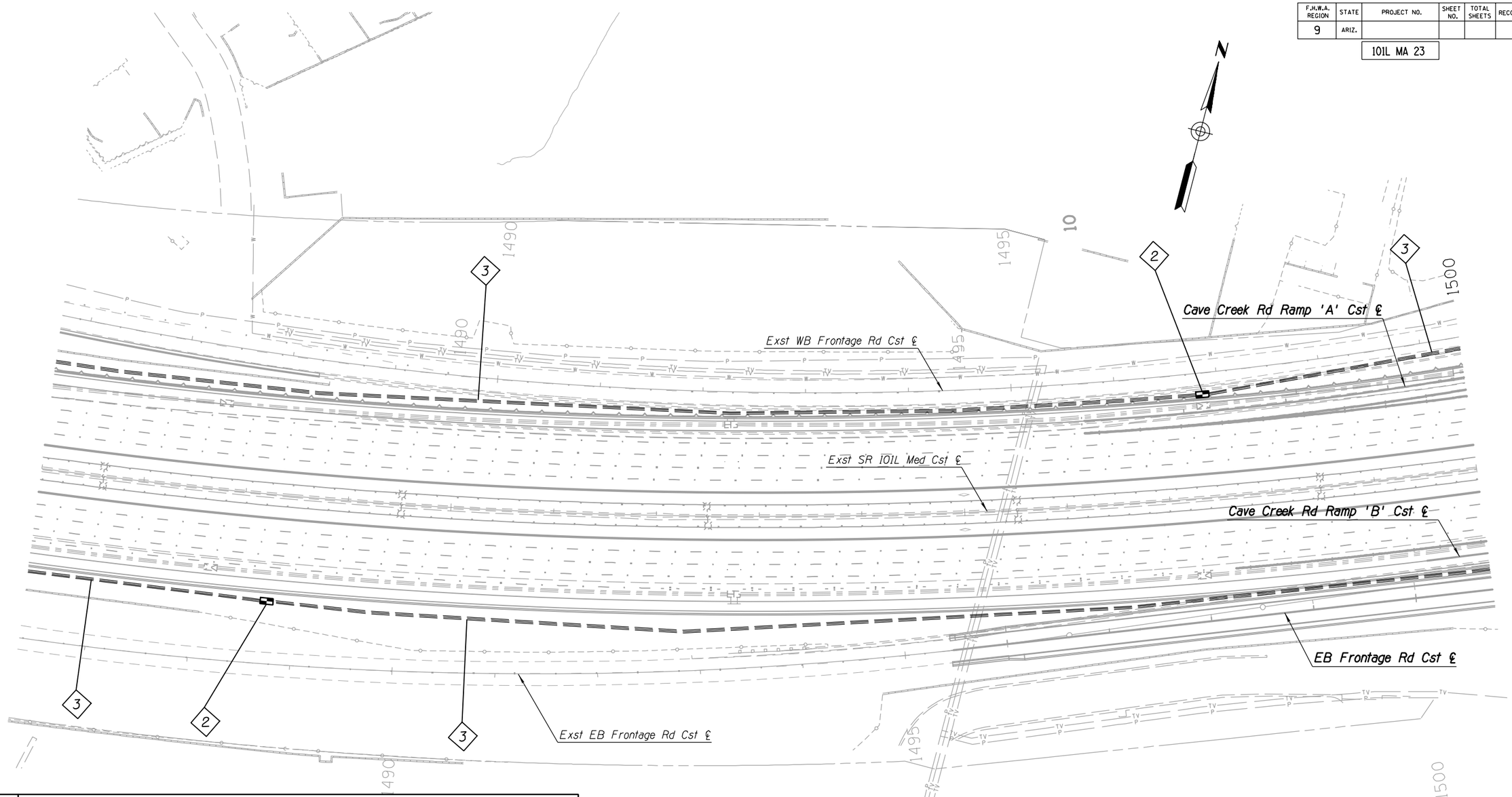
TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p14.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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PLAN SHEET
Sta 1486+00 to Sta 1500+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

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TRAFFIC ENGINEER

DWG NO. T-2.15

___ OF ___

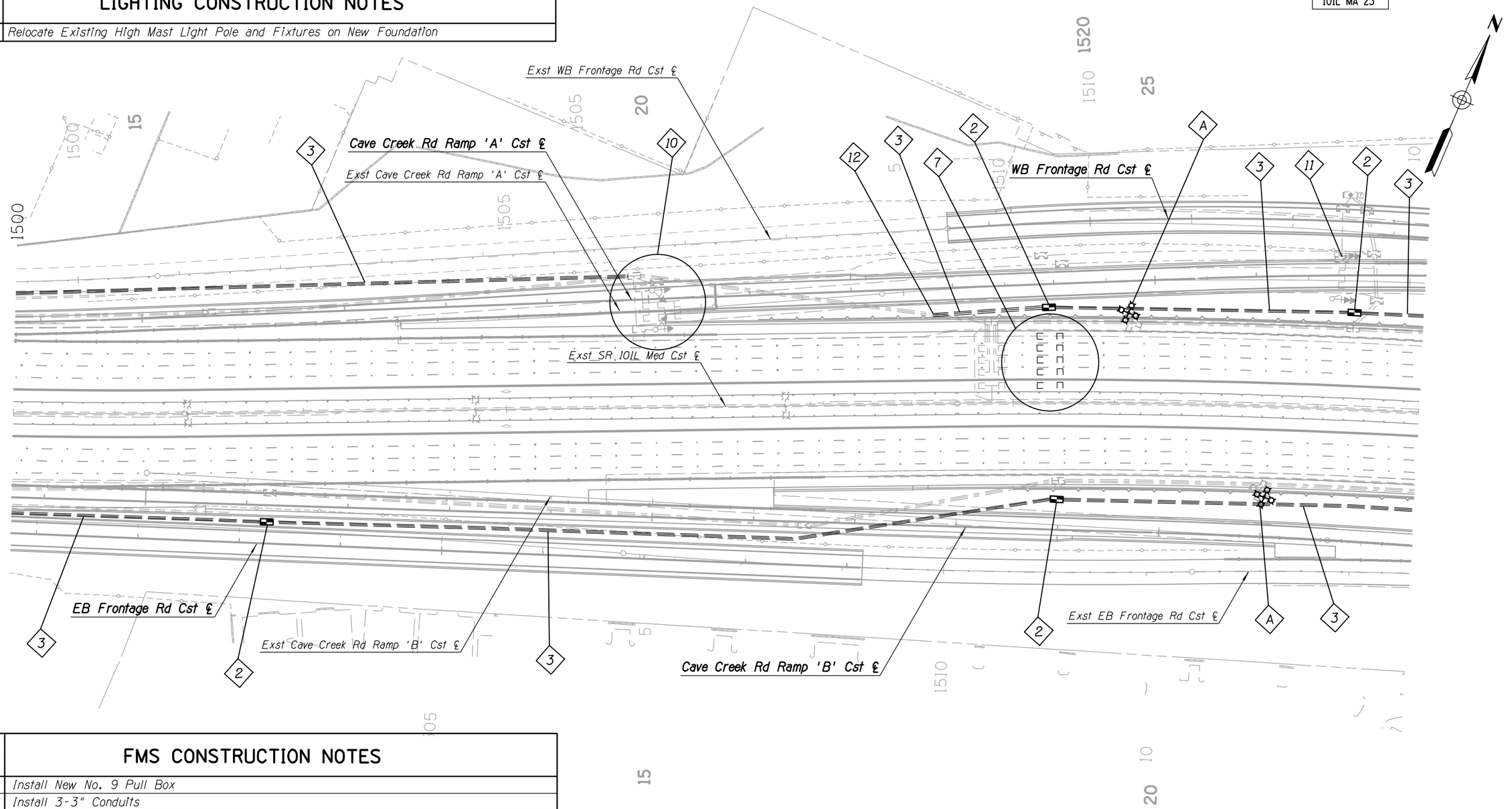
NO.1 | DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 | DESCRIPTION OF REVISION | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\ele\o8297p15.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

#	LIGHTING CONSTRUCTION NOTES
A	Relocate Existing High Mast Light Pole and Fixtures on New Foundation



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
7	Install Ten 6'x 6' Detector Loops
10	Relocate Ramp Meters
11	Relocate Flashers
12	Intercept Existing Conduit

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
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PLAN SHEET
Sta 1500+00 to Sta 1514+00

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ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	T-2.16
TRACS NO. H8297 01L		___ OF ___

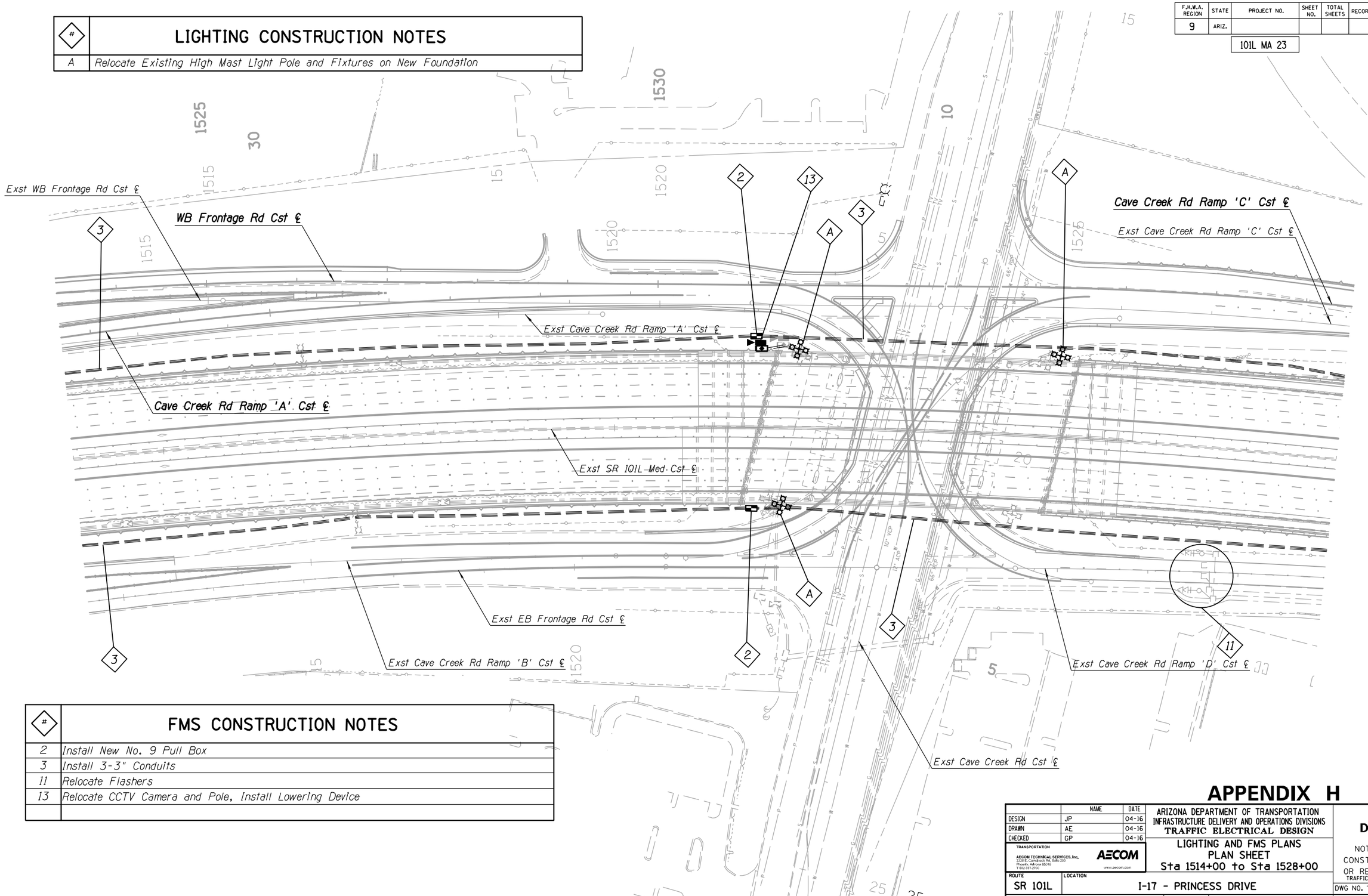
NO.	DESCRIPTION OF REVISION	MADE BY	DATE
NO.2	DESCRIPTION OF REVISION	MADE BY	DATE
NO.1	DESCRIPTION OF REVISION	MADE BY	DATE

4/25/2016 U:\PIMA03\Prod\ele\s8297p16.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

#	LIGHTING CONSTRUCTION NOTES
A	Relocate Existing High Mast Light Pole and Fixtures on New Foundation



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
11	Relocate Flashers
13	Relocate CCTV Camera and Pole, Install Lowering Device

NO. | DESCRIPTION OF REVISION | MADE BY | DATE

NO.1
NO.2

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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PLAN SHEET
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DCR
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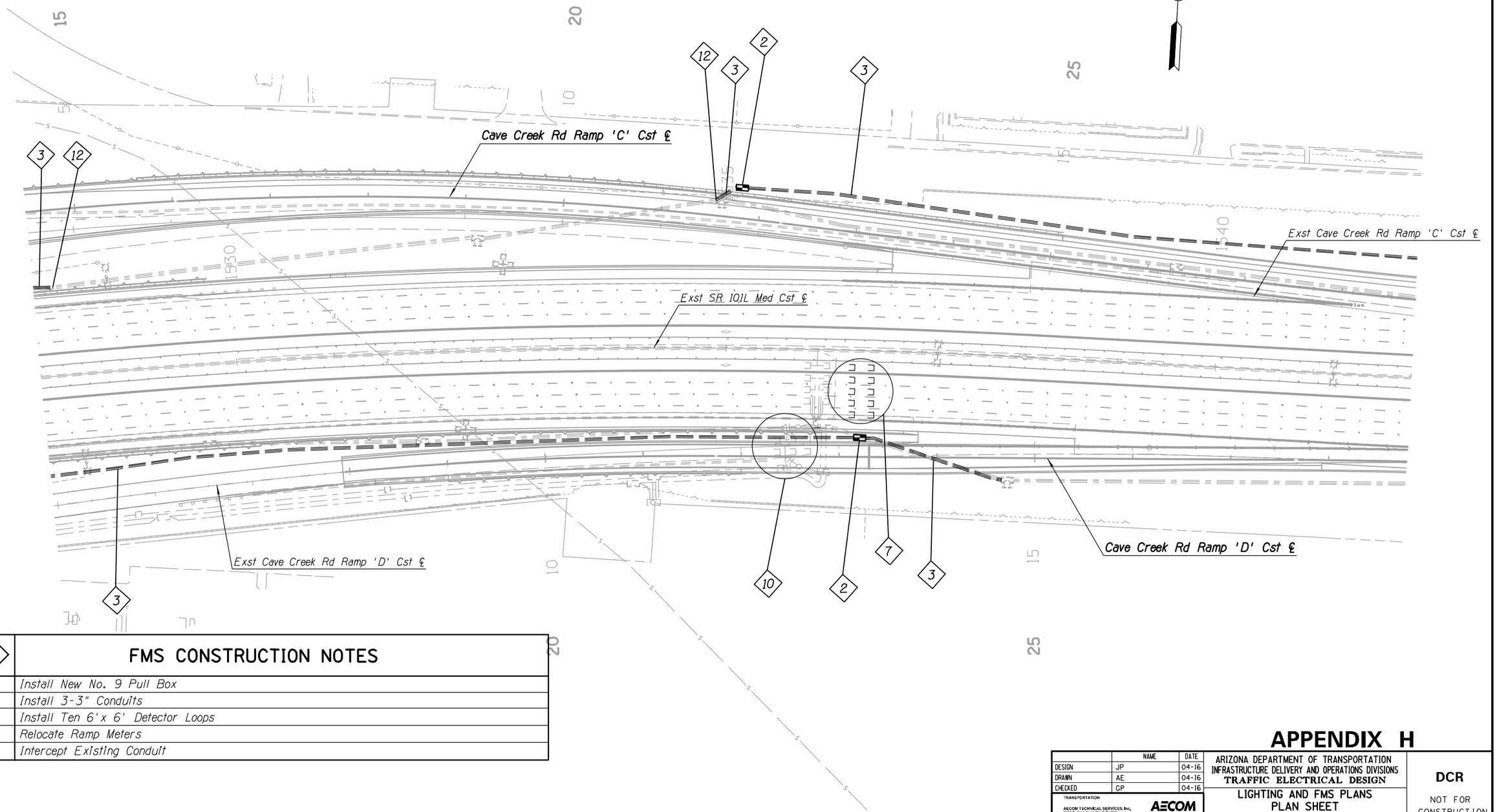
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-2.17
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p17.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
7	Install Ten 6'x 6' Detector Loops
10	Relocate Ramp Meters
12	Intercept Existing Conduit

NO.1 | DESCRIPTION OF REVISION | DATE | MADE BY | DATE

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1528+00 to Sta 1542+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-2.18

TRACS NO. H8297 01L

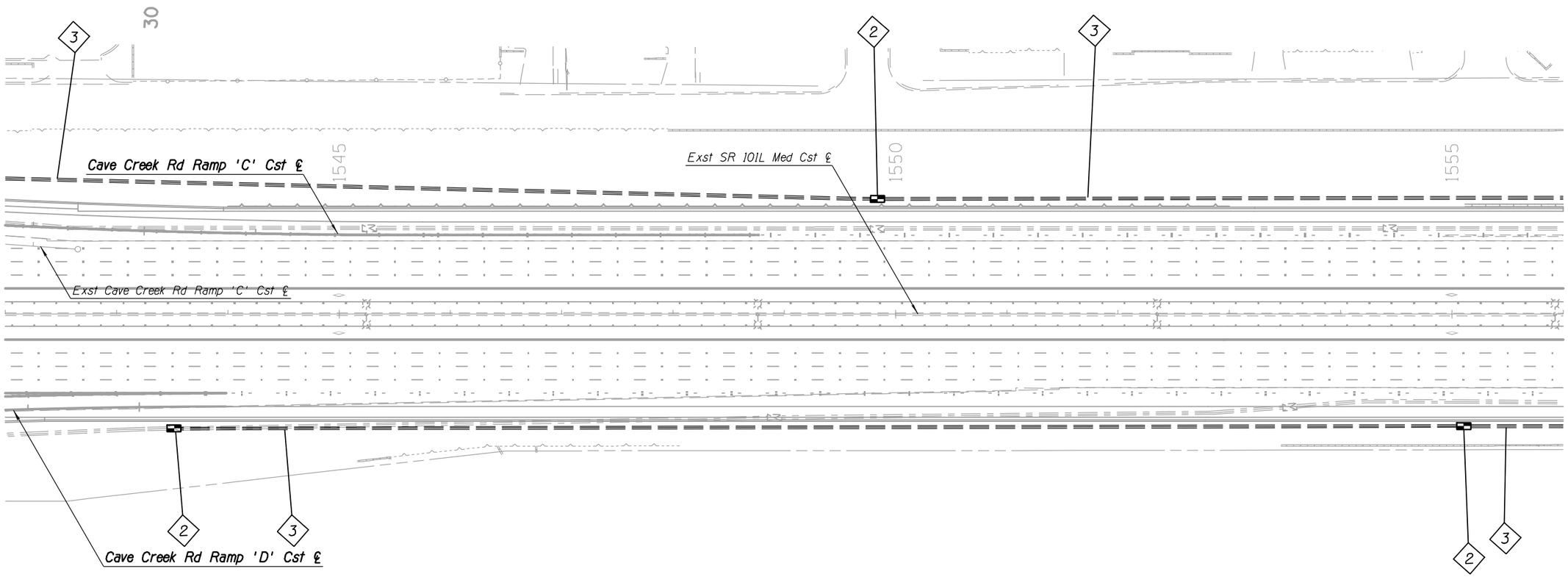
___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p18.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
NO.2			
NO.1			



30

#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1542+00 to Sta 1556+00

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TRAFFIC ENGINEER

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ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-2.19

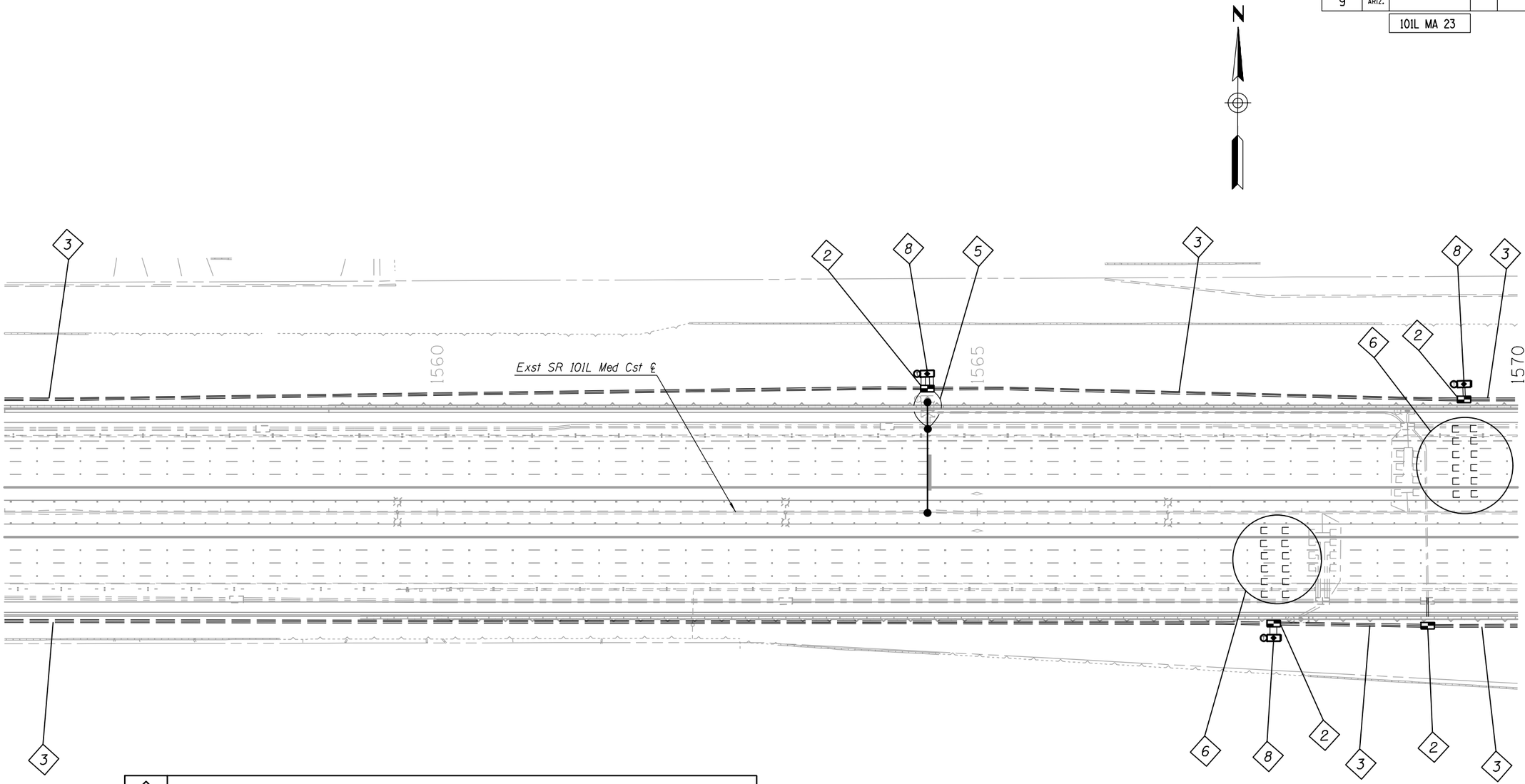
TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p19.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
5	Install 1-3" Conduit
6	Install Twelve 6'x 6' Detector Loops
8	Relocate Controller Cabinet

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

TRANSPORTATION

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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1556+00 to Sta 1570+00

DCR

NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. T-2.20

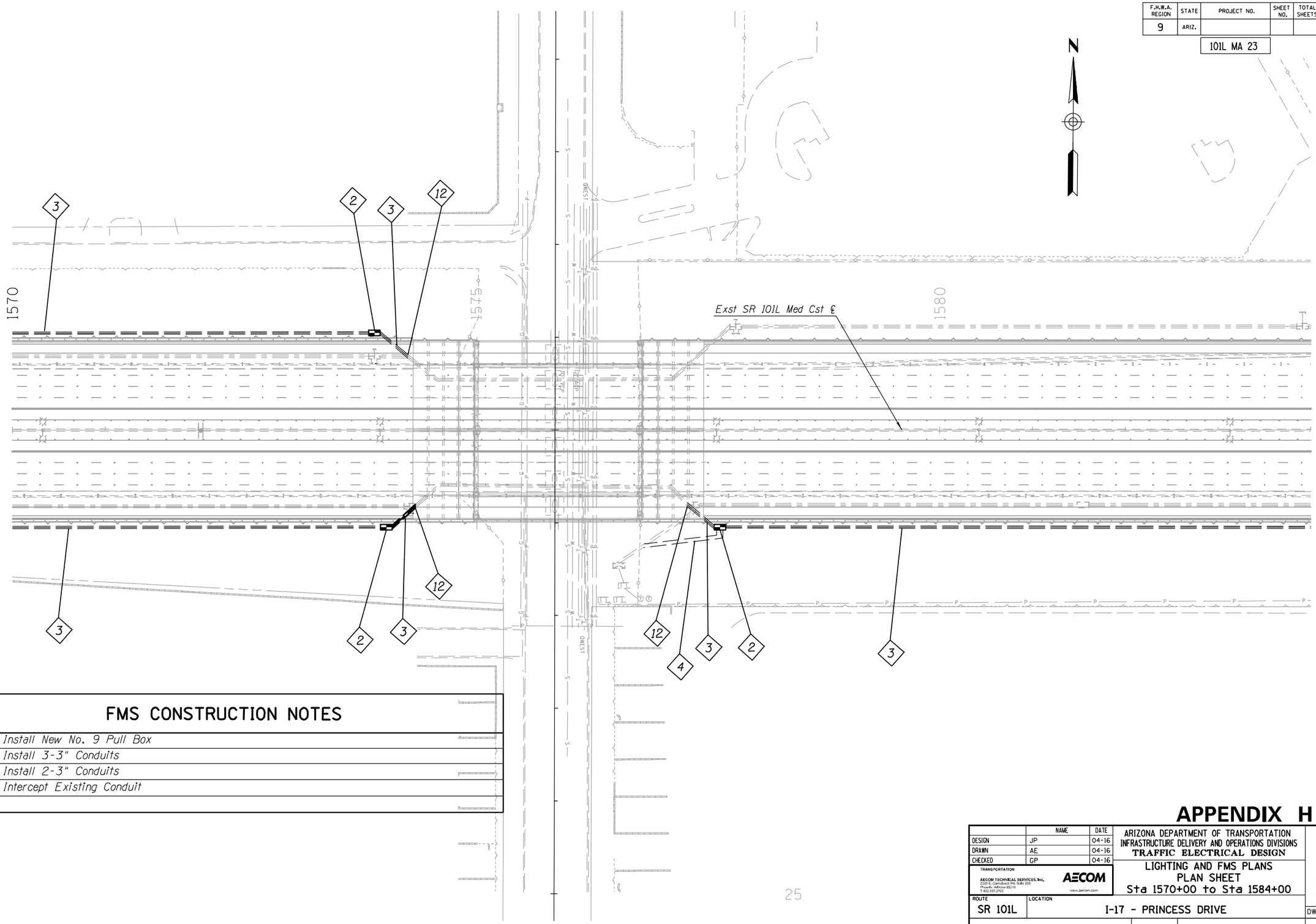
TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p20.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
4	Install 2-3" Conduits
12	Intercept Existing Conduit

NO. | DESCRIPTION OF REVISION | DATE | MADE BY | DATE

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1570+00 to Sta 1584+00

DCR

NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. T-2.21

TRACS NO. H8297 01L

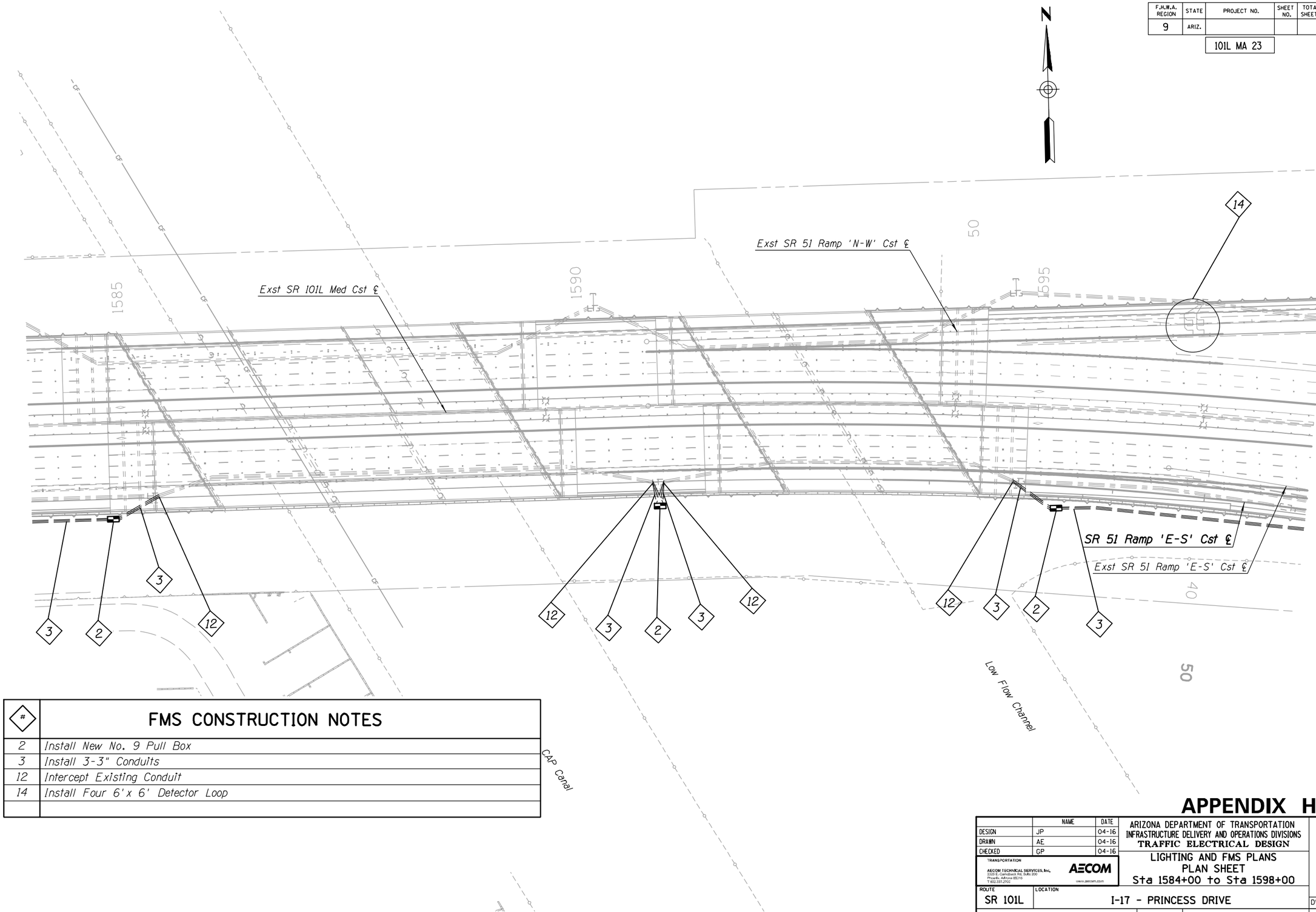
___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p21.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	DATE	MADE BY
1			
2			



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
12	Intercept Existing Conduit
14	Install Four 6'x 6' Detector Loop

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1584+00 to Sta 1598+00

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ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

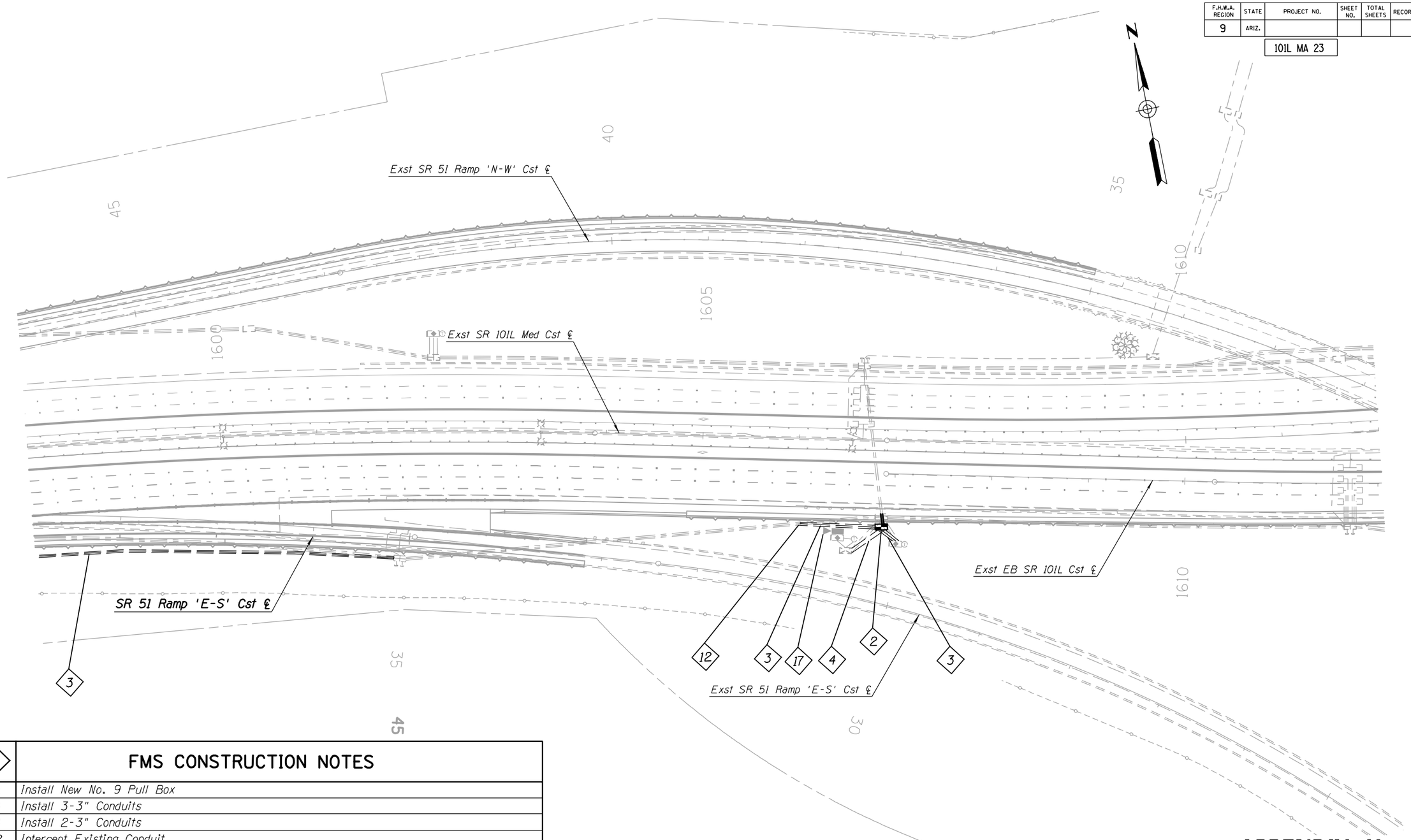
DWG NO. T-2.22

___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\s8297p22.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
4	Install 2-3" Conduits
12	Intercept Existing Conduit
17	Existing CCTV Camera, Install Lowering Device

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

TRANSPORTATION

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2020 E. Camelback Rd, Suite 200
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ARIZONA DEPARTMENT OF TRANSPORTATION
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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1598+00 to Sta 1612+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO. T-2.23
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

NO. | DESCRIPTION OF REVISION | MADE BY | DATE

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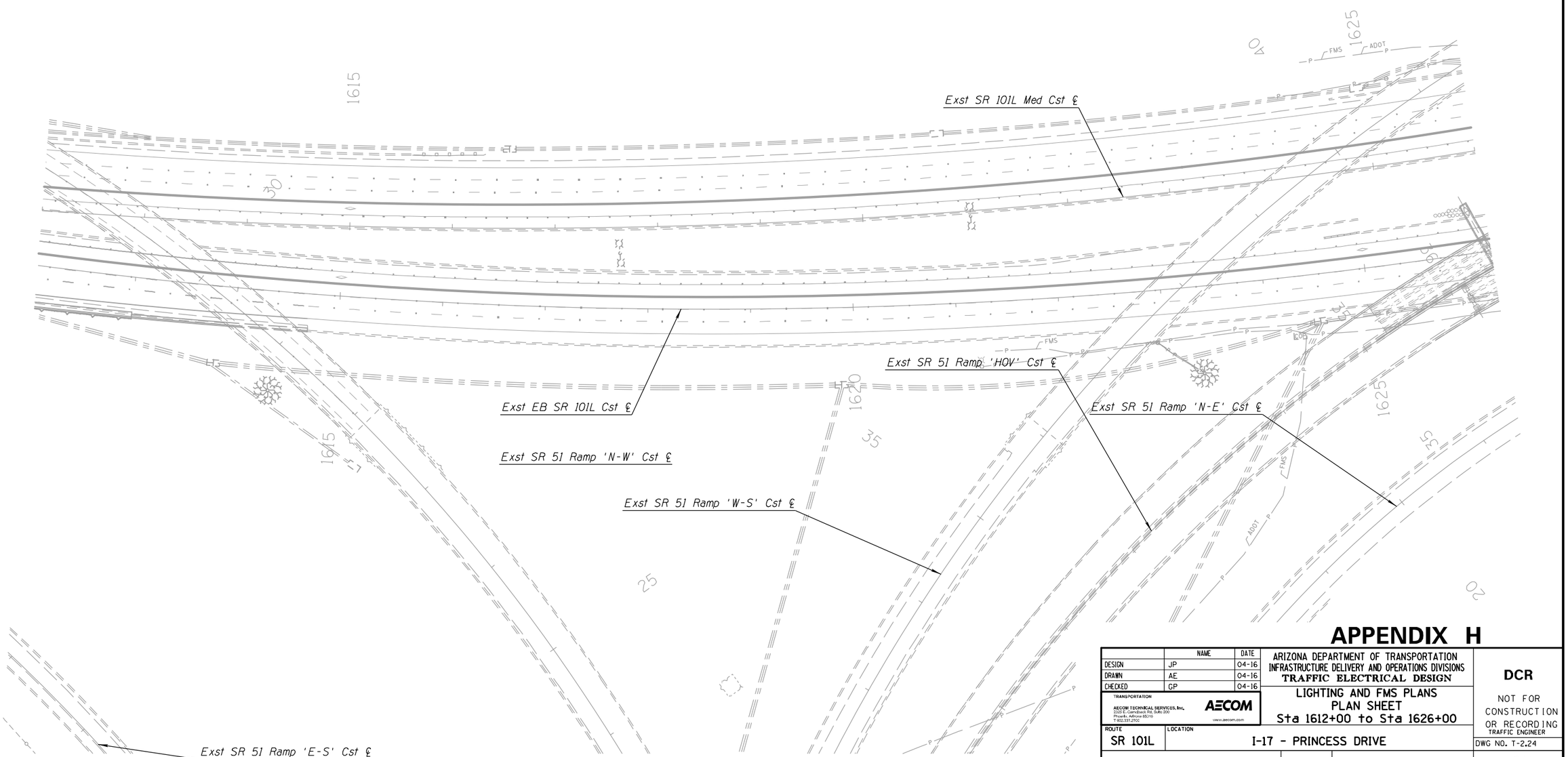
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
NO.1			
NO.2			



APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
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LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1612+00 to Sta 1626+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

DWG NO. T-2.24

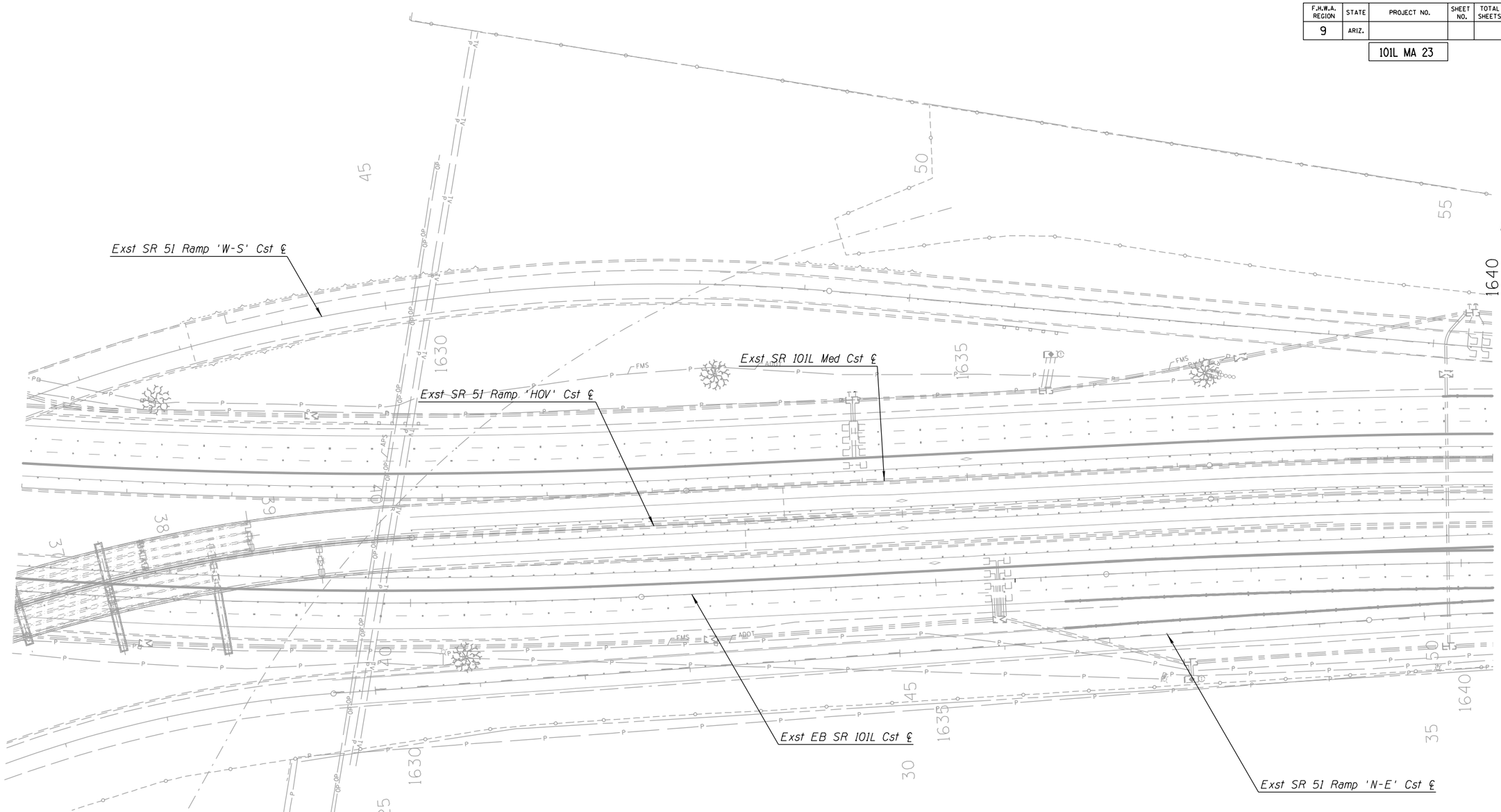
___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p24.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	DATE	MADE BY
1			
2			



APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1626+00 to Sta 1640+00

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TRAFFIC ENGINEER

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ROUTE	LOCATION	DWG NO.
SR 101L	I-17 - PRINCESS DRIVE	T-2.25

TRACS NO. H8297 01L ____ OF ____

4/25/2016 U:\PIMA03\Prod\ele\a8297p25.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
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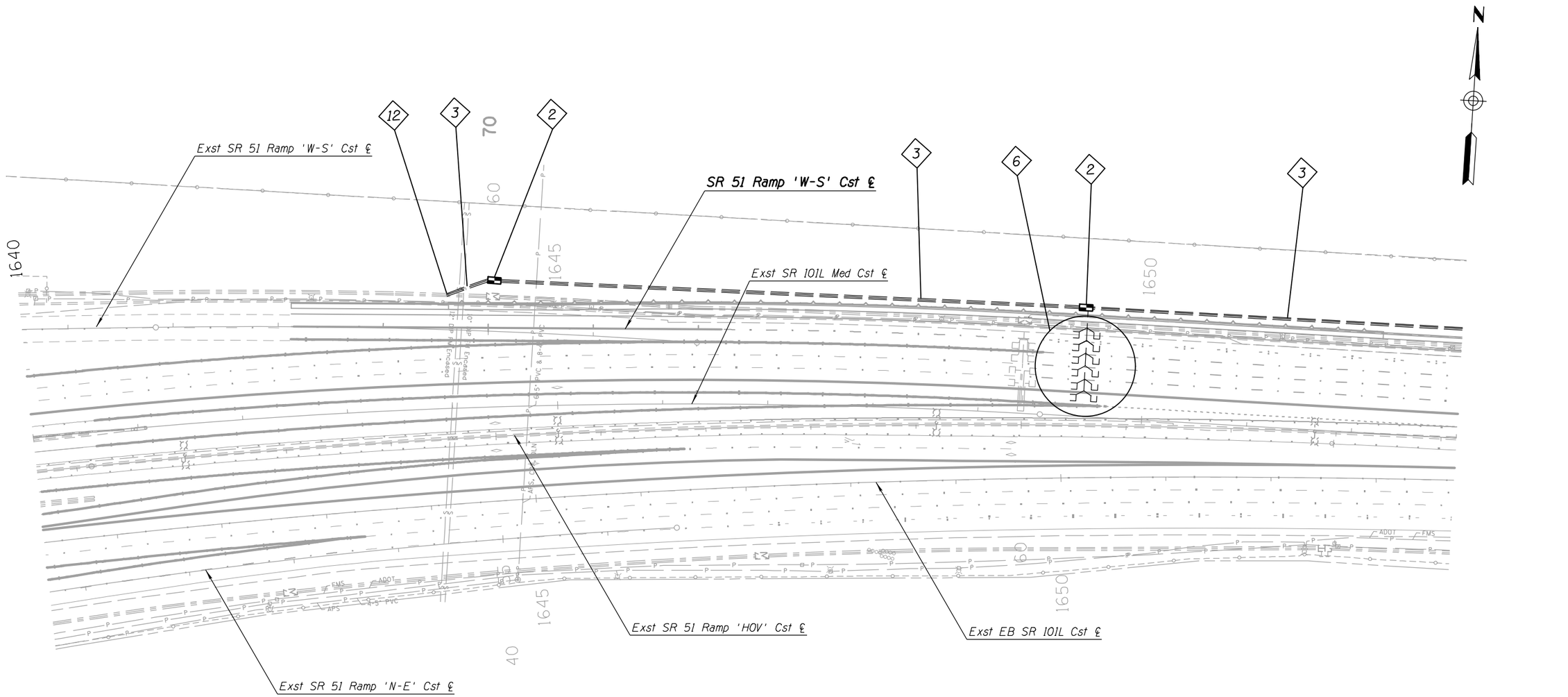
NO.1			



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
6	Install Twelve 6'x 6' Detector Loops
12	Intercept Existing Conduit

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
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LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1640+00 to Sta 1653+00

DCR
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TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO. T-2.26
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
2			
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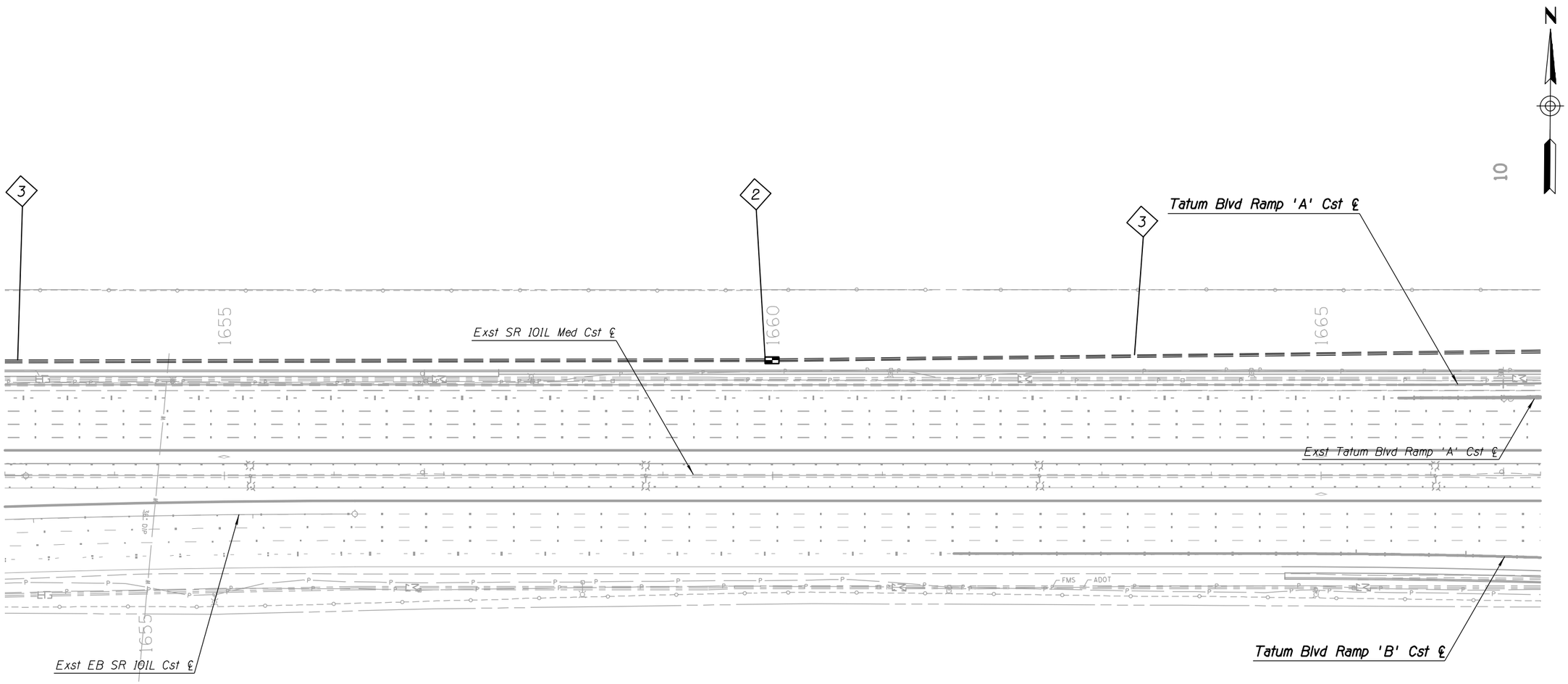

#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1653+00 to Sta 1667+00

DCR

NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L

LOCATION: I-17 - PRINCESS DRIVE

DWG NO. T-2.27

TRACS NO. H8297 01L

___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p27.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
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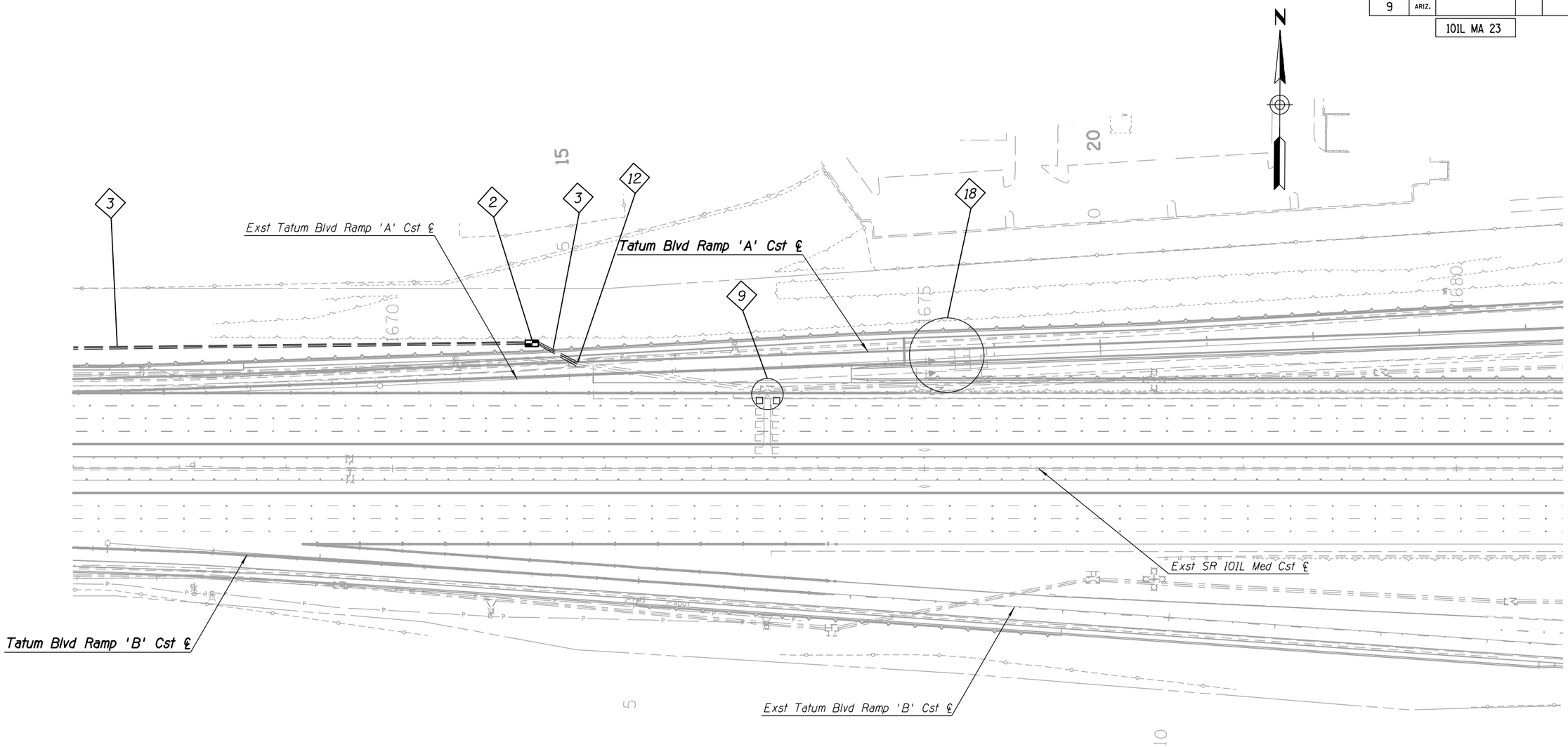
2			



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
9	Install Two 6'x 6' Detector Loops
12	Intercept Existing Conduit
18	Relocate Ramp Meters

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1667+00 to Sta 1681+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. T-2.28

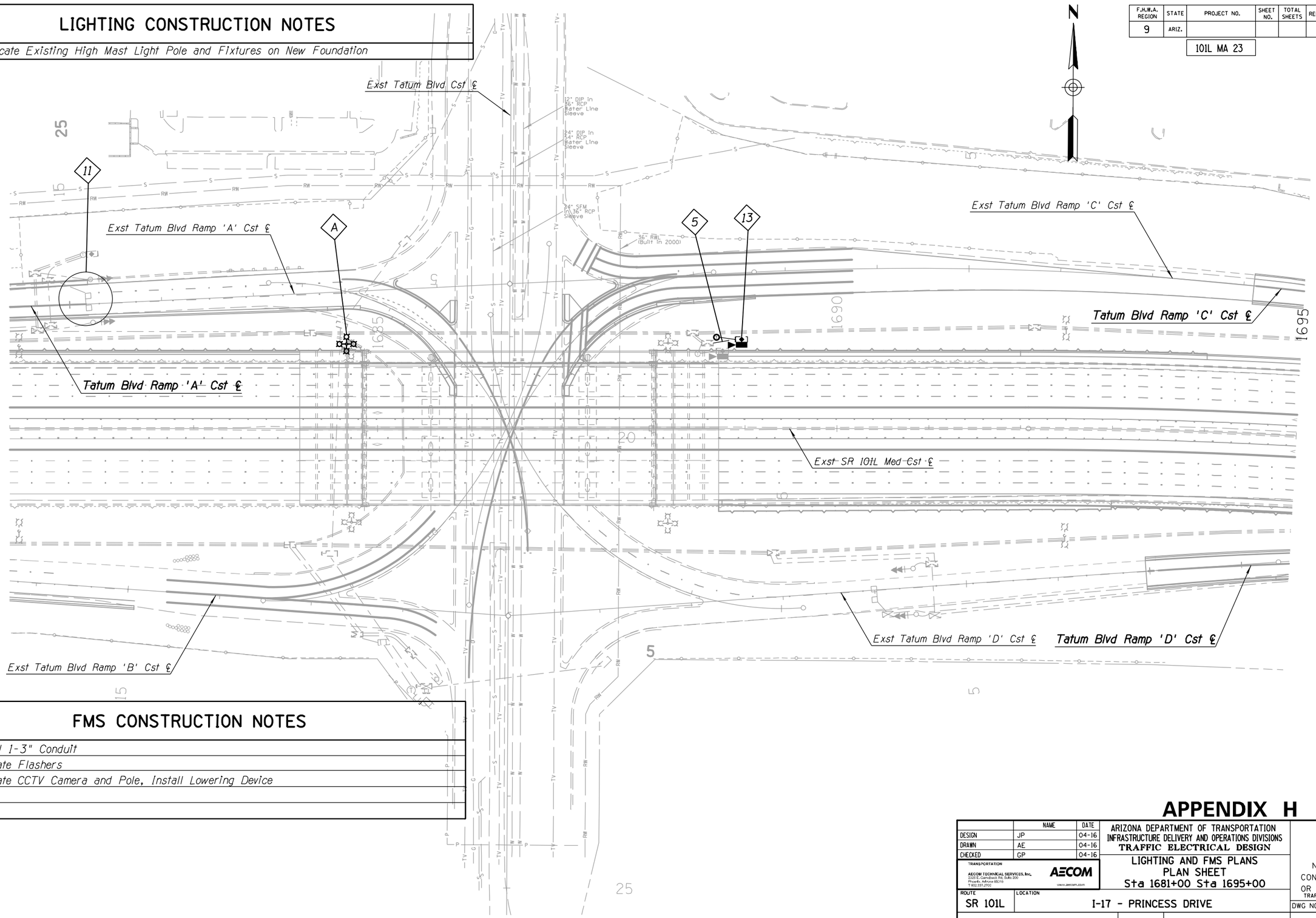
TRACS NO. H8297 01L

___ OF ___

#	LIGHTING CONSTRUCTION NOTES
A	Relocate Existing High Mast Light Pole and Fixtures on New Foundation

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
5	Install 1-3" Conduit
11	Relocate Flashers
13	Relocate CCTV Camera and Pole, Install Lowering Device

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
NO.1			
NO.2			

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1681+00 Sta 1695+00

DCR

NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

DWG NO. T-2.29

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

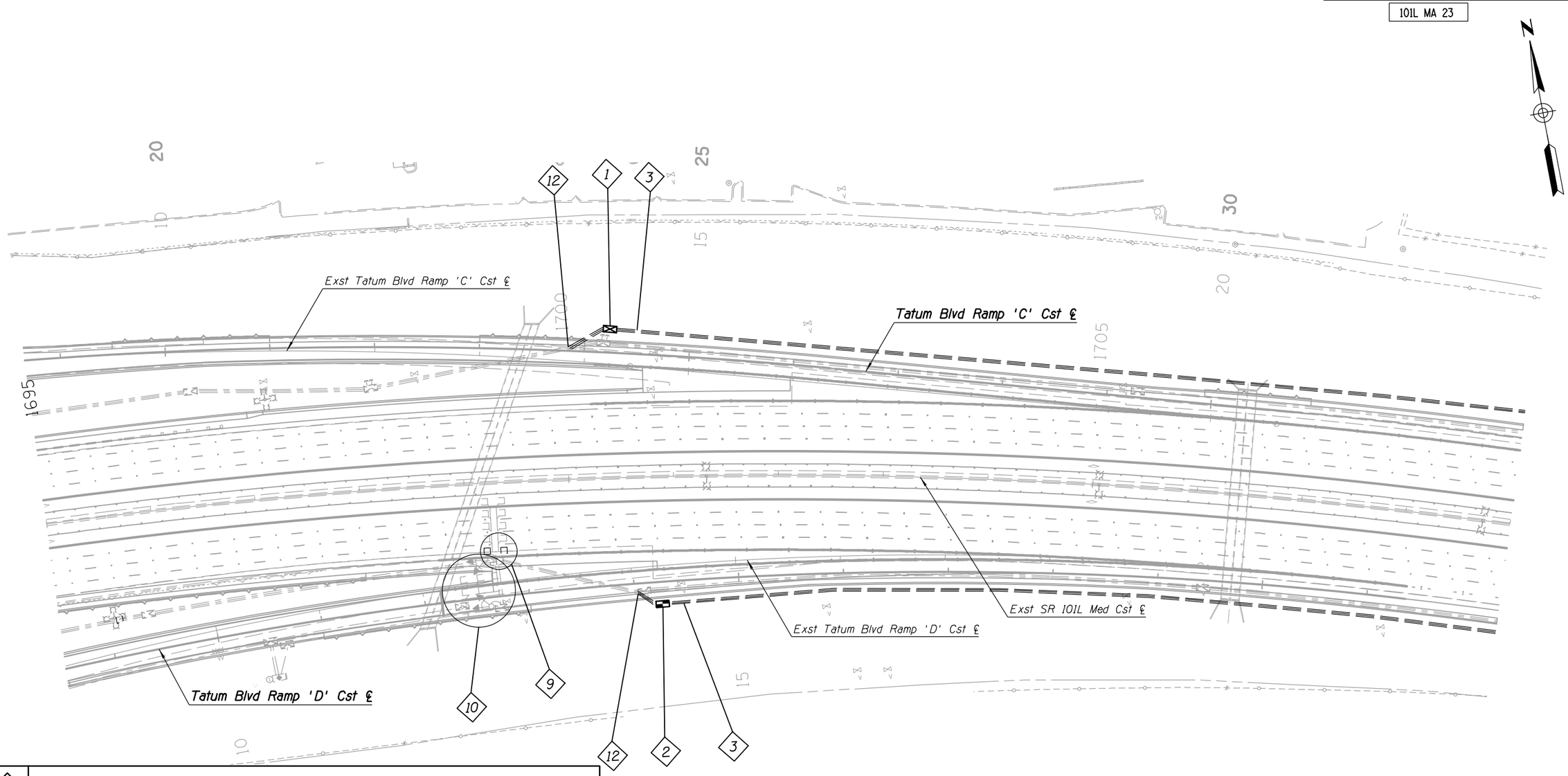
___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p29.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
9	Install Two 6'x 6' Detector Loops
10	Relocate Ramp Meters
12	Intercept Existing Conduit

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1695+00 to 1709+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO. T-2.30
SR 101L	I-17 - PRINCESS DRIVE	___ OF ___
TRACS NO. H8297 01L		

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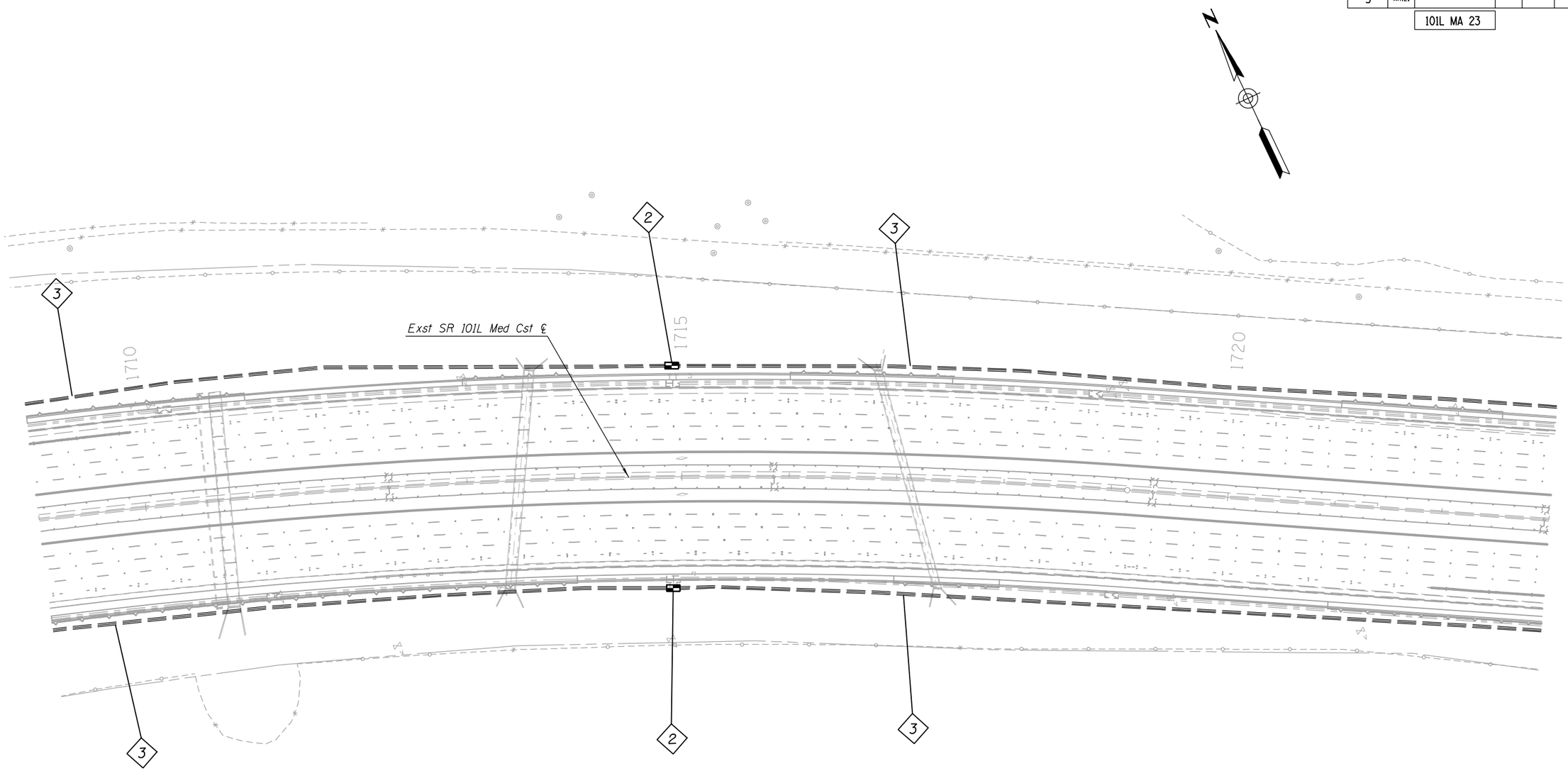
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
NO.2	DESCRIPTION OF REVISION	MADE BY	DATE
NO.1	DESCRIPTION OF REVISION	MADE BY	DATE



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1709+00 to Sta 1723+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

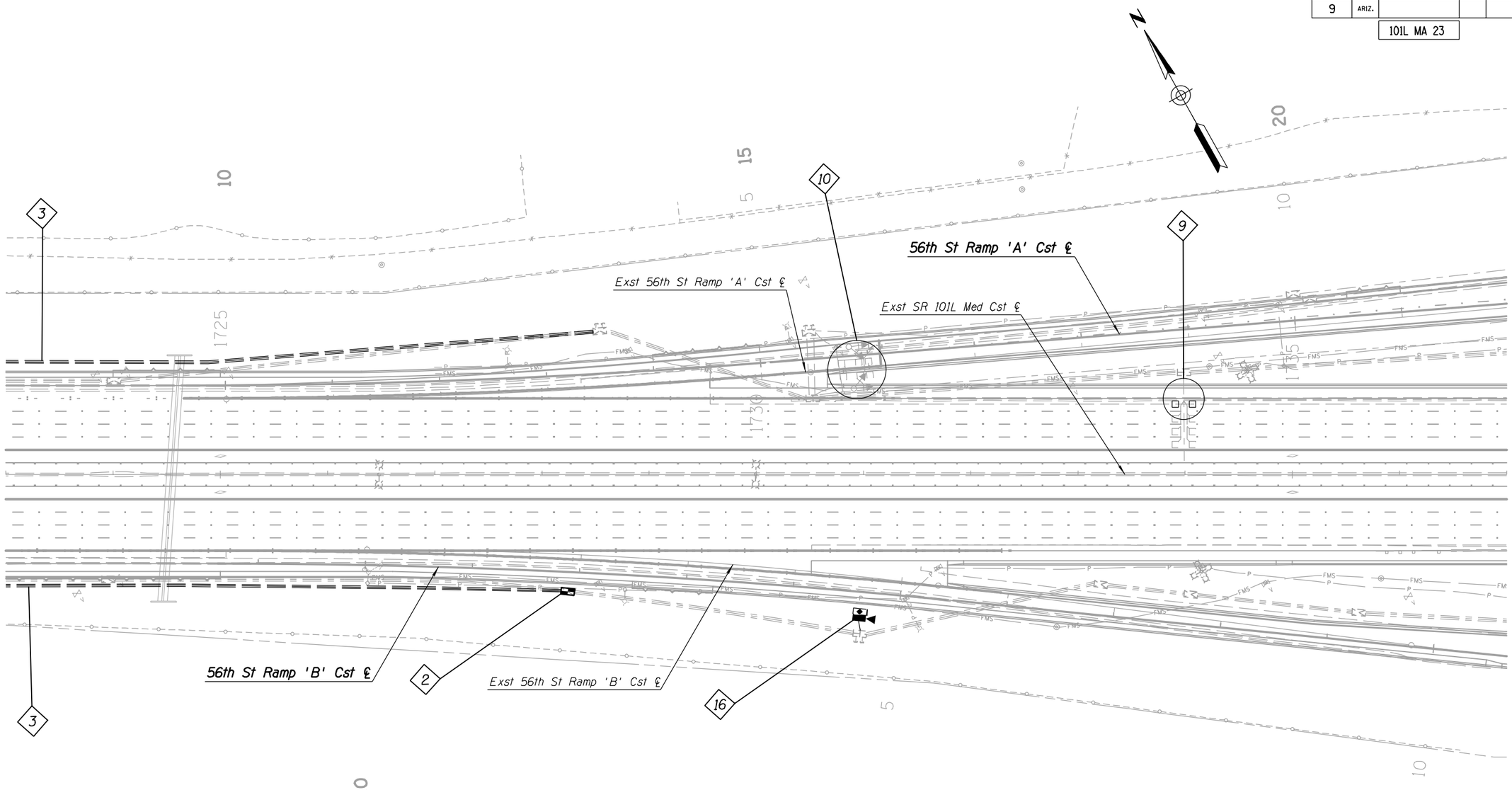
DWG NO. T-2.31

___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p31.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
9	Install Two 6'x 6' Detector Loops
10	Relocate Ramp Meters
16	Install CCTV Camera, Pole, Lowering Device, and Cabinet

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

TRANSPORTATION

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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1723+00 to Sta 1737+00

DCR

NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. T-2.32

TRACS NO. H8297 01L

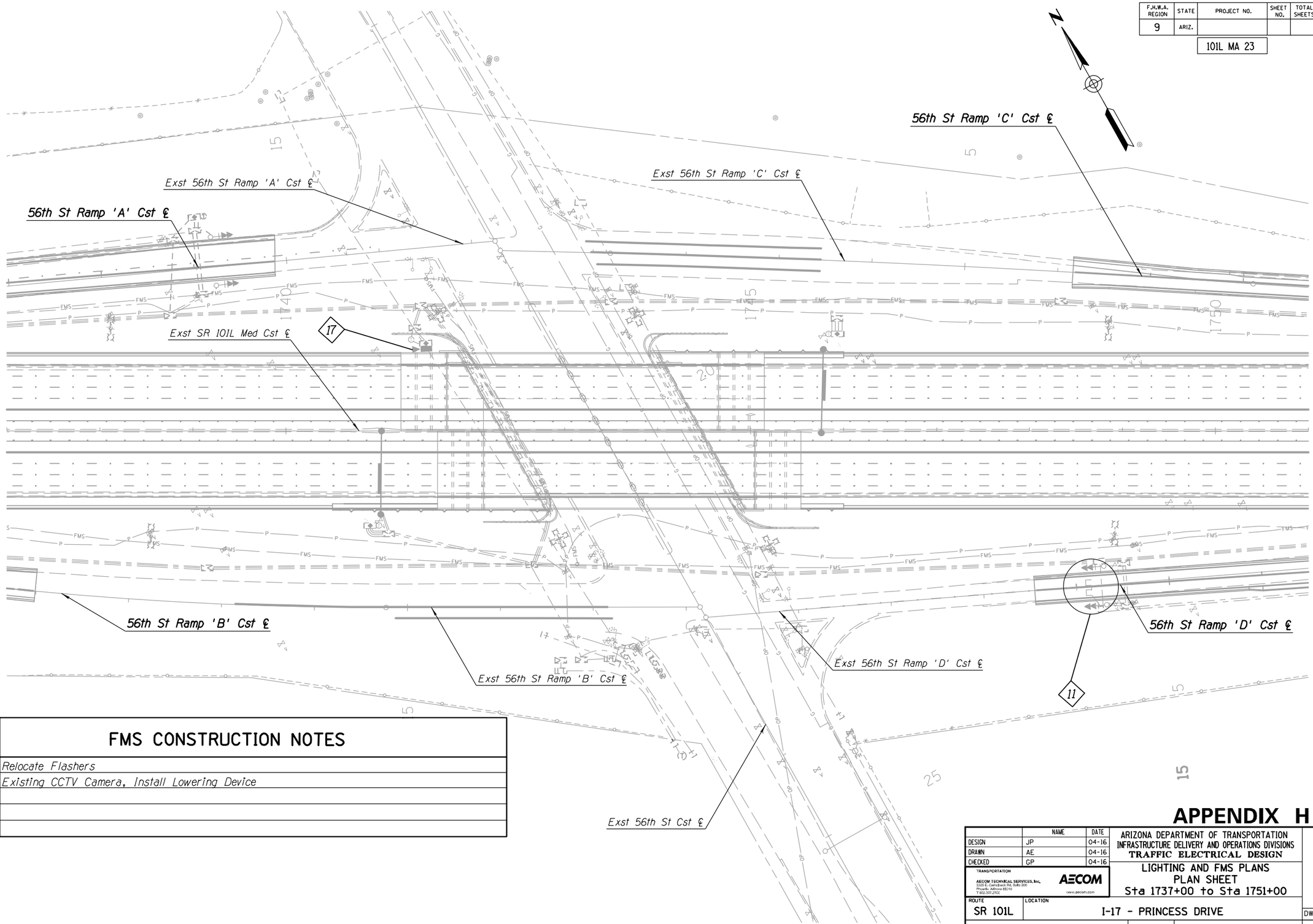
___ OF ___

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			

4/25/2016 U:\PIMA03\Prod\ele\o8297p32.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
11	Relocate Flashers
17	Existing CCTV Camera, Install Lowering Device

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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ARIZONA DEPARTMENT OF TRANSPORTATION
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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1737+00 to Sta 1751+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

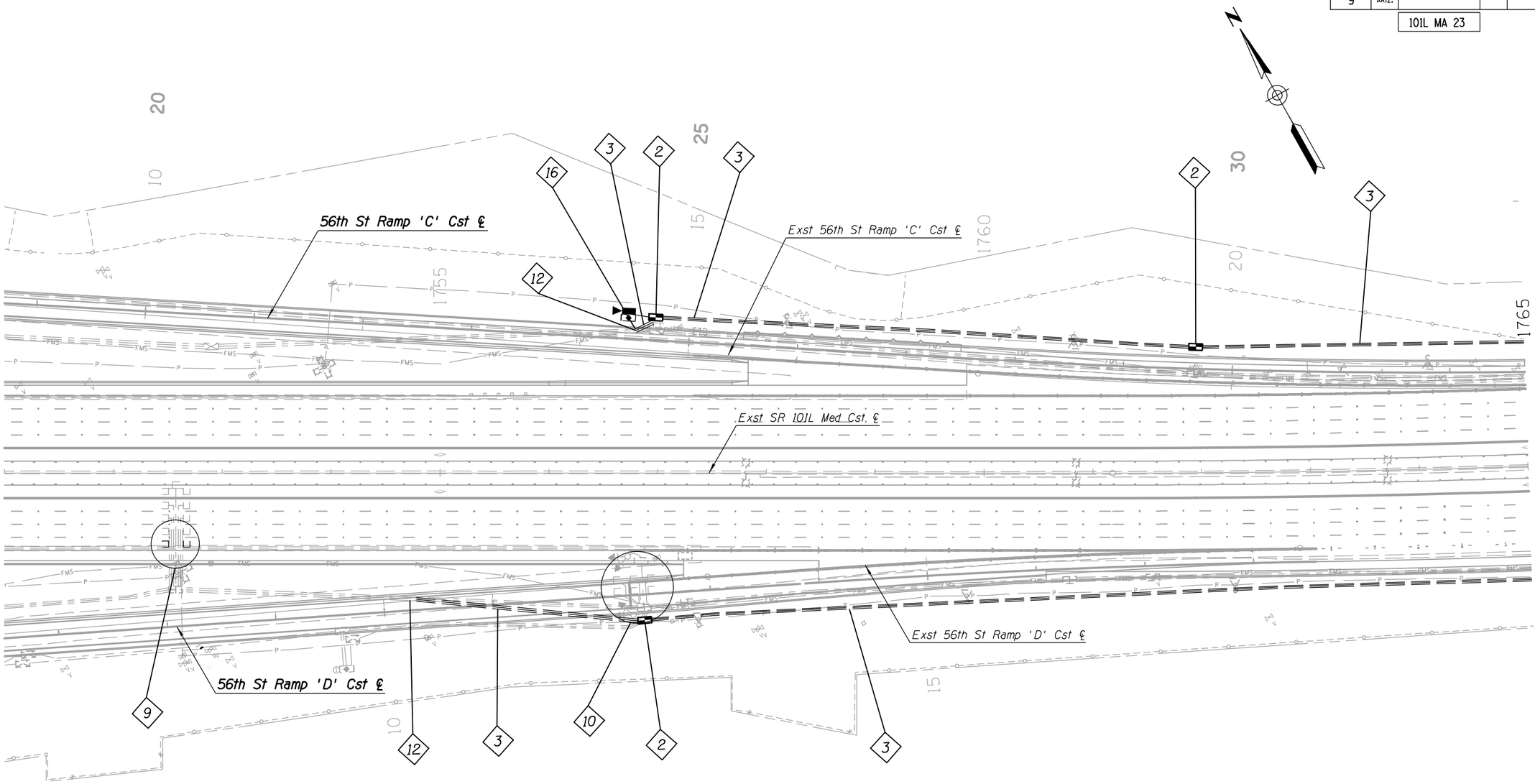
ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-2.33
TRACS NO. H8297 01L
___ OF ___

NO. | DESCRIPTION OF REVISION | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\ele\o8297p33.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
9	Install Two 6' x 6' Detector Loops
10	Relocate Ramp Meters
12	Intercept Existing Conduit
16	Install CCTV Camera, Pole, Lowering Device, and Cabinet

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

TRANSPORTATION

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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1751+00 to Sta 1765+00

DCR

NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO. T-2.34
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

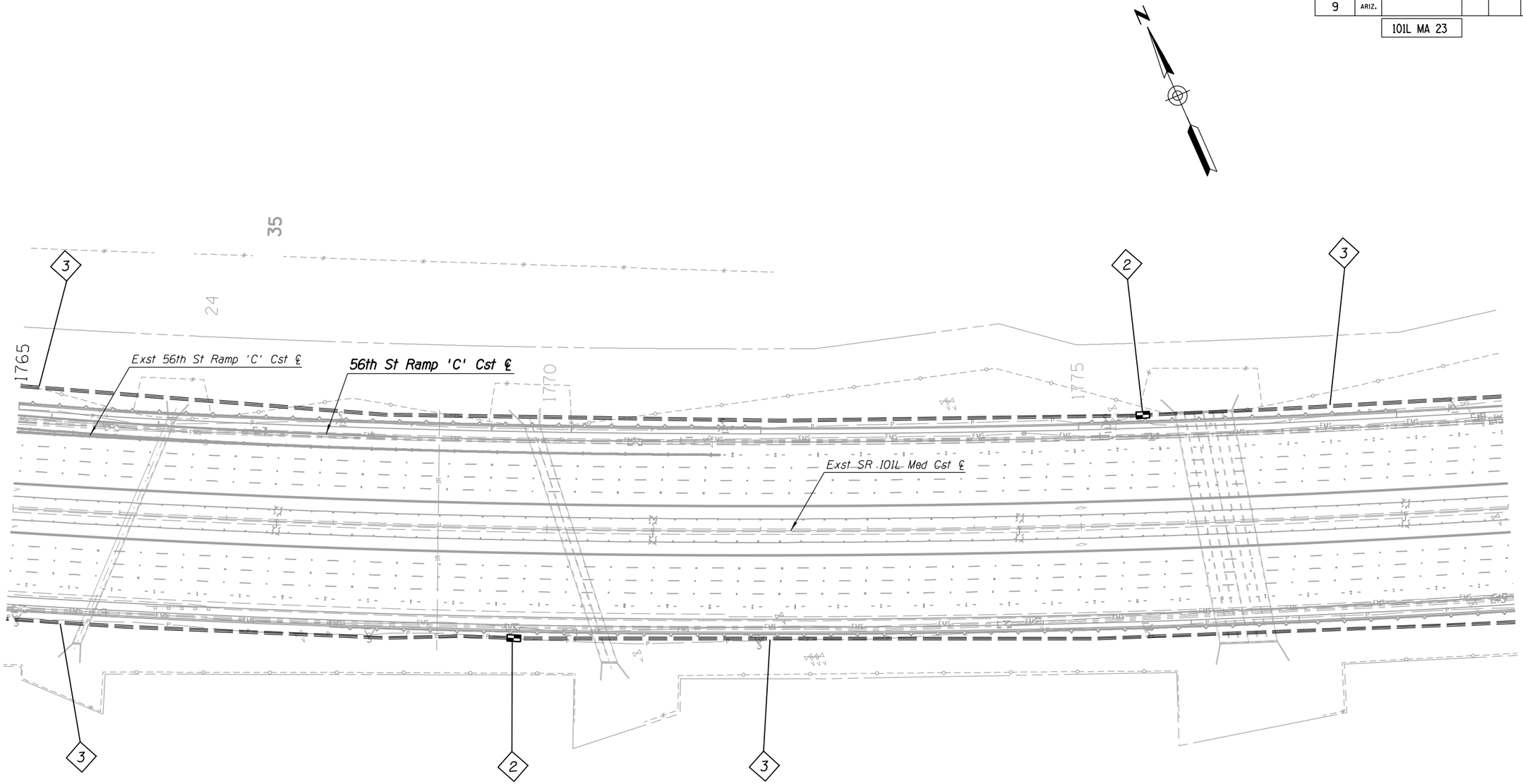
NO. | DESCRIPTION OF REVISION | DATE | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\ele\o8297p34.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1765+00 to Sta 1779+00

DCR

NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. T-2.35

TRACS NO. H8297 01L

___ OF ___

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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
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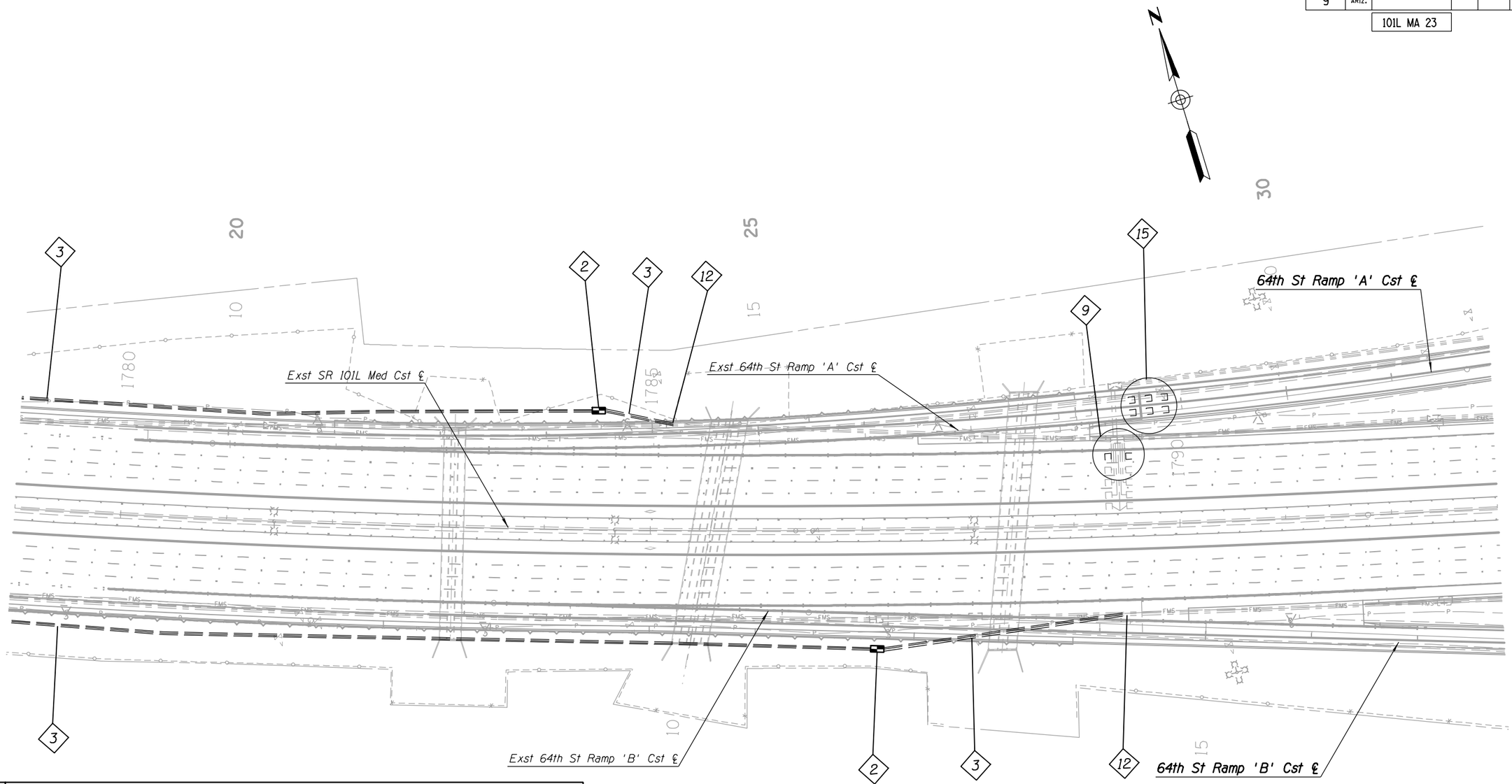
2			



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
9	Install Two 6'x 6' Detector Loops
12	Intercept Existing Conduit
15	Install Six 6'x 6' Detector Loops

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1779+00 to Sta 1793+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

DWG NO. T-2.36

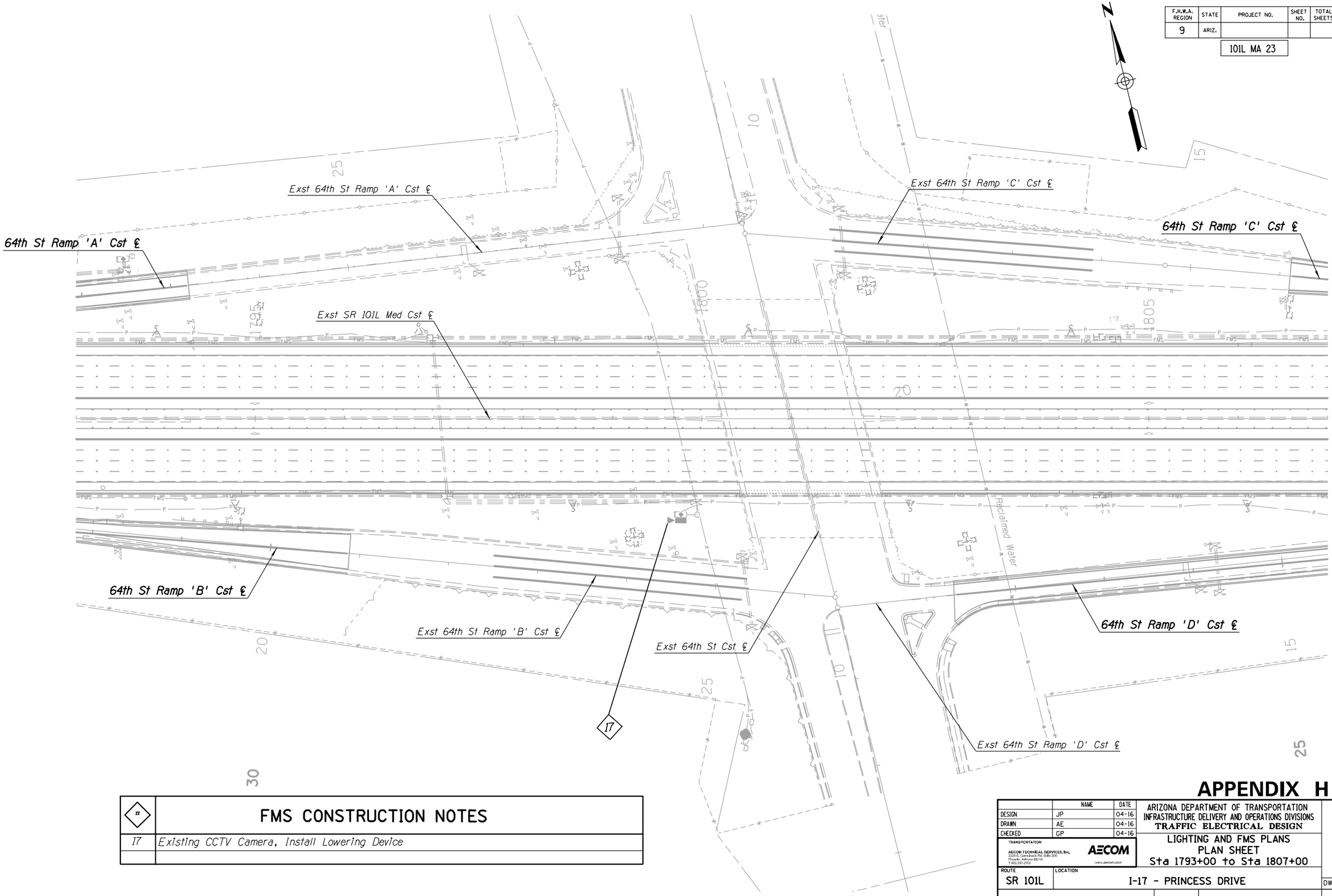
___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p36.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			



#	FMS CONSTRUCTION NOTES
17	Existing CCTV Camera, Install Lowering Device

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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PLAN SHEET
Sta 1793+00 to Sta 1807+00

DCR

NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. T-2.37

TRACS NO. H8297 01L

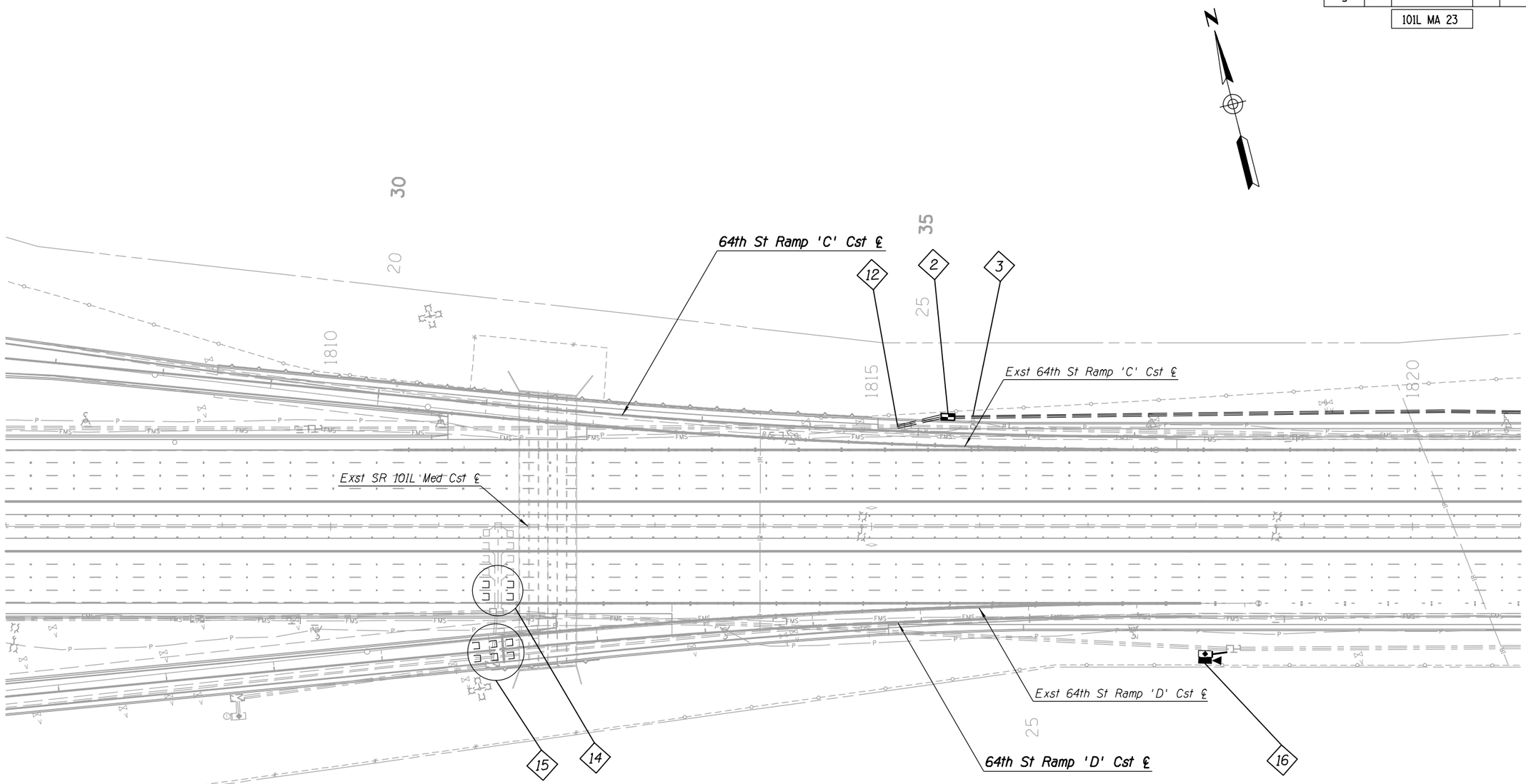
___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p37.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
2			
1			



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
12	Intercept Existing Conduit
14	Install Four 6'x 6' Detector Loops
15	Install Six 6'x 6' Detector Loops
16	Install CCTV Camera, Pole, Lowering Device, and Cabinet

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1807+00 to Sta 1821+00

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

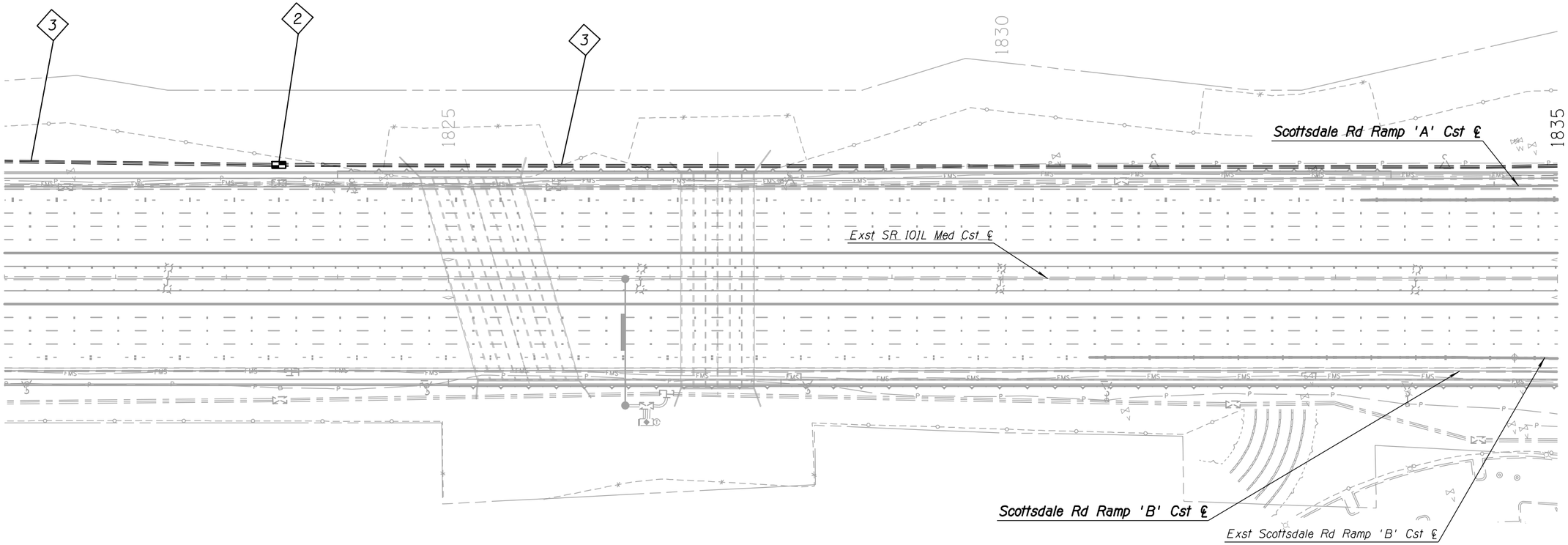
DWG NO. T-2.38

___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p38.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits

10

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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PLAN SHEET
Sta 1821+00 to Sta 1835+00

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ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-2.39
TRACS NO. H8297 01L
___ OF ___

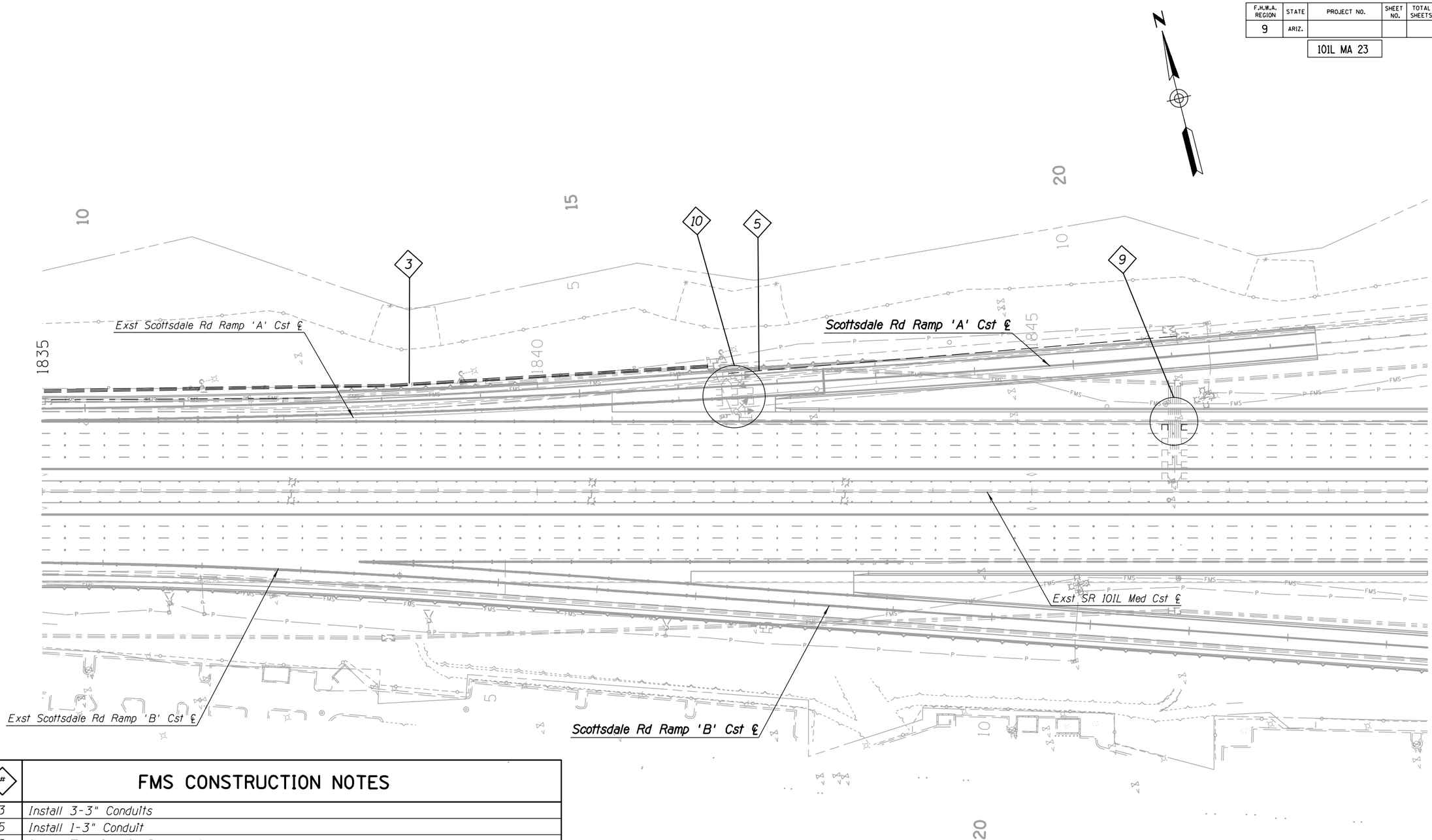
NO. | DESCRIPTION OF REVISION | DATE | MADE BY

4/25/2016 U:\PIMA03\Prod\ele\o8297p39.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
NO.1			
NO.2			



#	FMS CONSTRUCTION NOTES
3	Install 3-3" Conduits
5	Install 1-3" Conduit
9	Install Two 6' x 6' Detector Loops
10	Relocate Ramp Meters

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1835+00 to Sta 1849+00

DCR

NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO. T-2.40
SR 101L	I-17 - PRINCESS DRIVE	
TRACS NO. H8297 01L		___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p40.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	DATE	MADE BY
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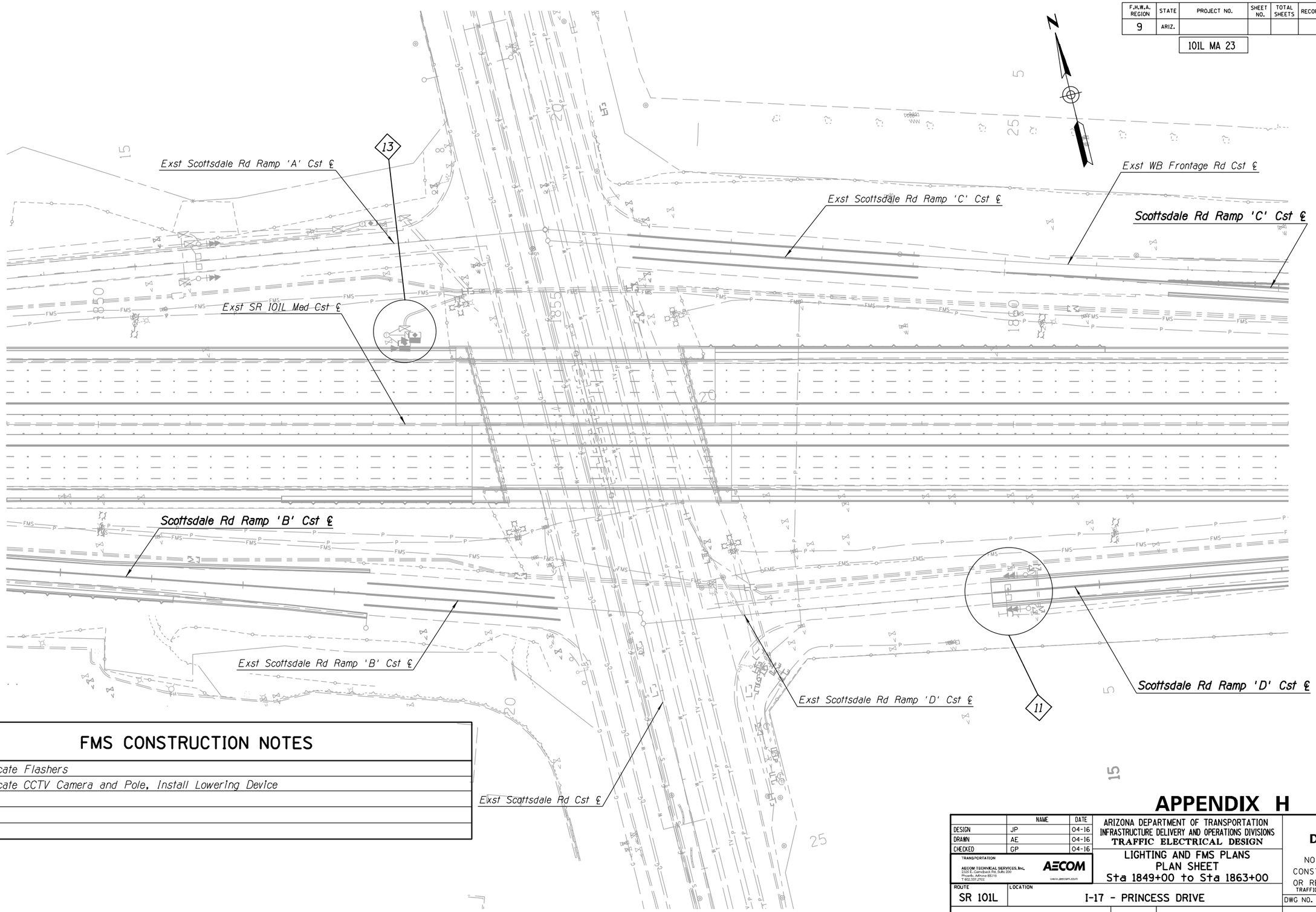
2			



#	FMS CONSTRUCTION NOTES
11	Relocate Flashers
13	Relocate CCTV Camera and Pole, Install Lowering Device

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1849+00 to Sta 1863+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. T-2.41

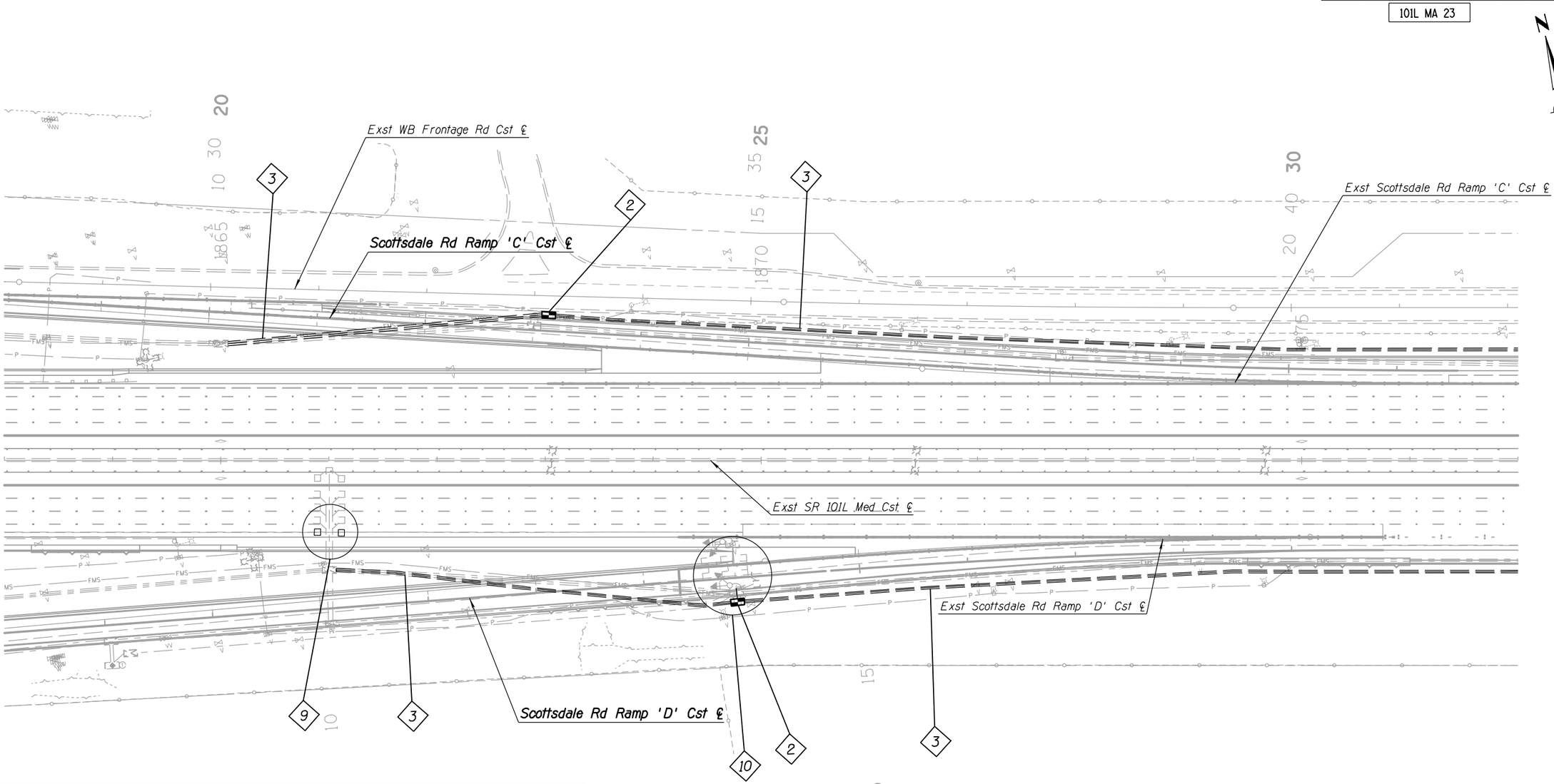
TRACS NO. H8297 01L

___ OF ___

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
9	Install Two 6'x 6' Detector Loops
10	Relocate Ramp Meters

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1863+00 to Sta 1877+00

DCR

NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. T-2.42

TRACS NO. H8297 01L

___ OF ___

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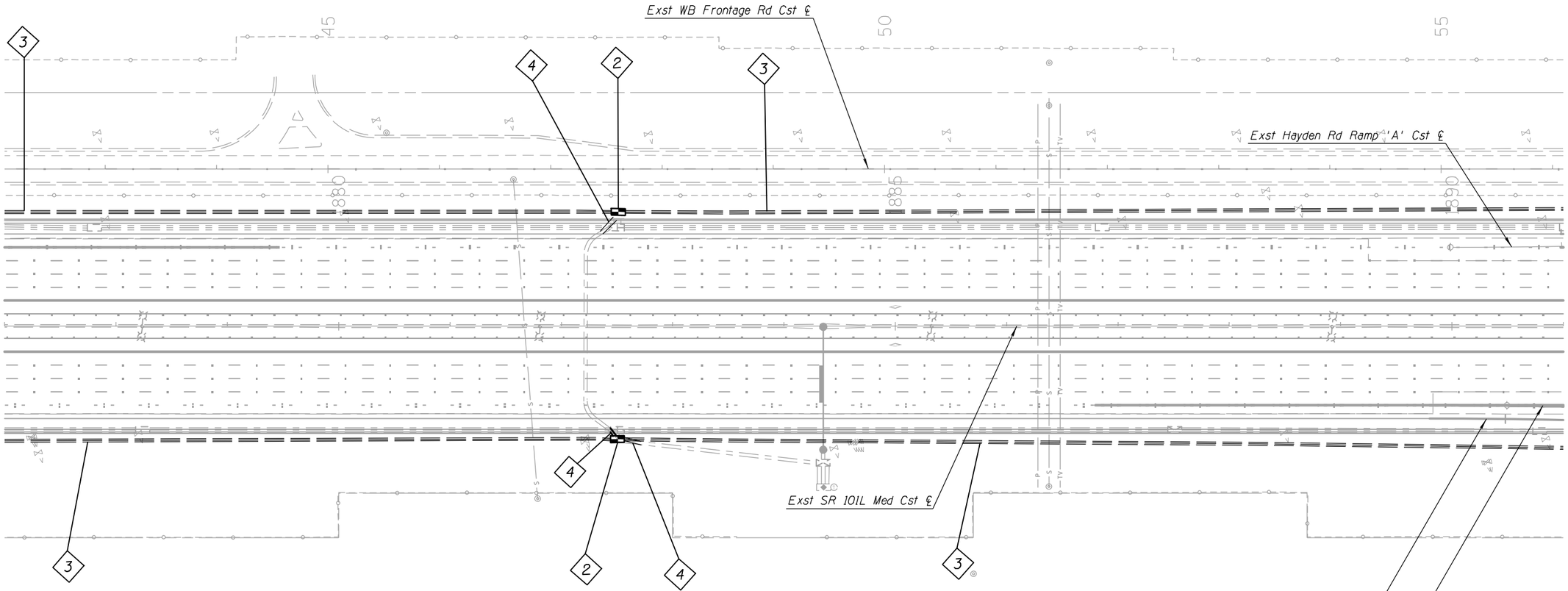
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
4	Install 2-3" Conduits

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

TRANSPORTATION

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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1877+00 to Sta 1891+00

DCR

NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. T-2.43

TRACS NO. H8297 01L

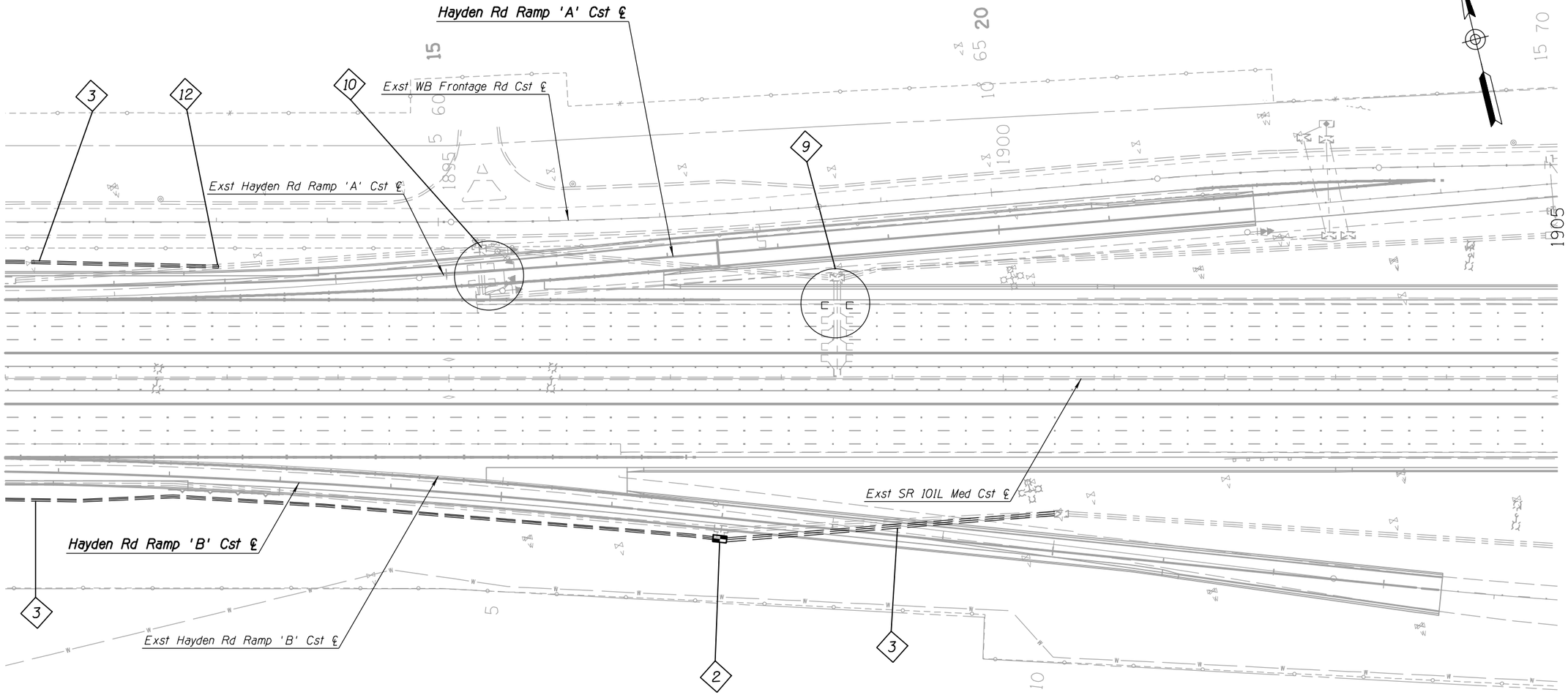
___ OF ___

NO. | DESCRIPTION OF REVISION | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\ele\o8297p43.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
9	Install Two 6'x 6' Detector Loops
10	Relocate Ramp Meters
12	Intercept Existing Conduit

NO.1 DESCRIPTION OF REVISION | MADE BY | DATE

NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1891+00 to Sta 1905+00

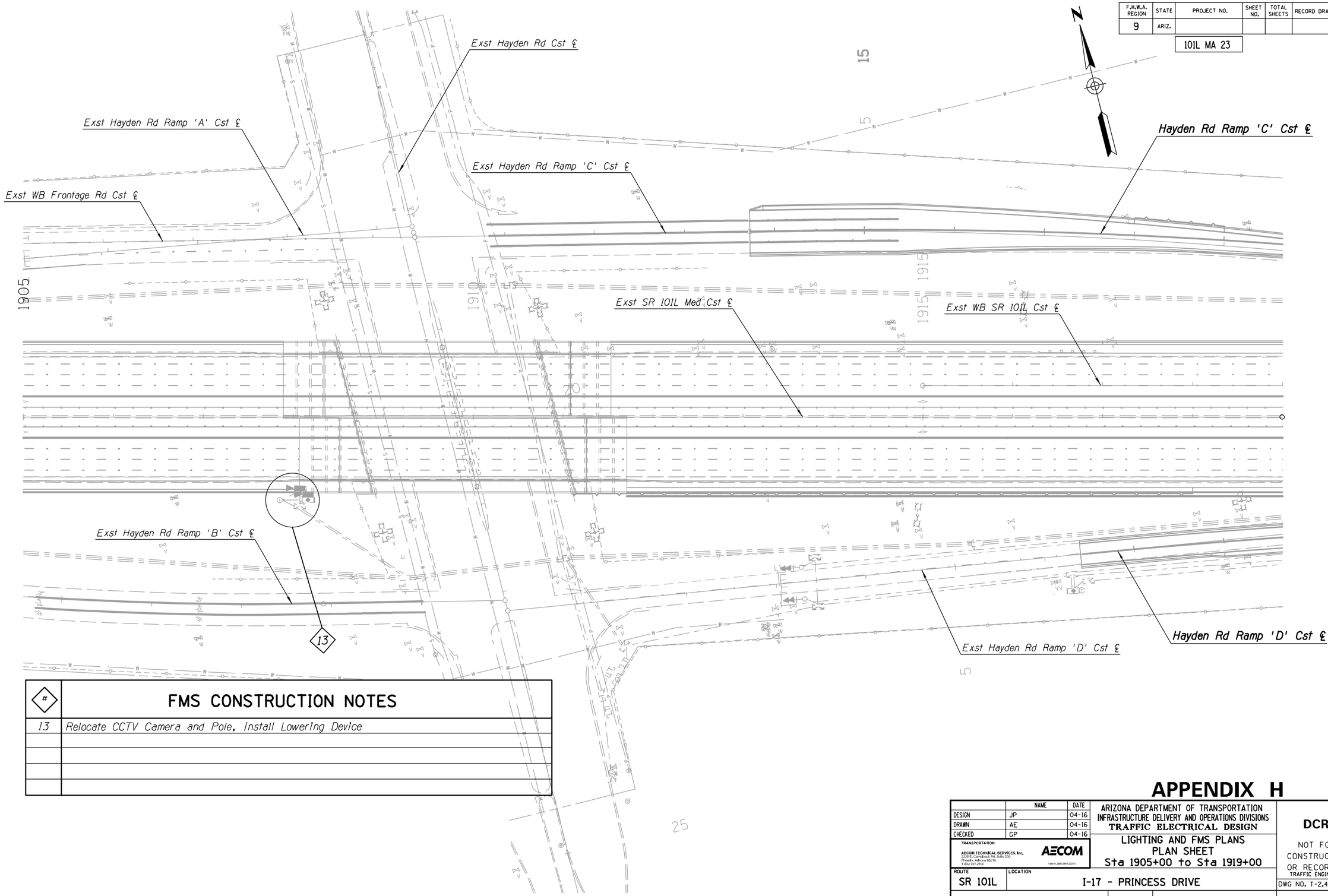
DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-2.44
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p44.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
13	Relocate CCTV Camera and Pole, Install Lowering Device

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1905+00 to Sta 1919+00

DCR

NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

DWG NO. T-2.45

TRACS NO. H8297 01L

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NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
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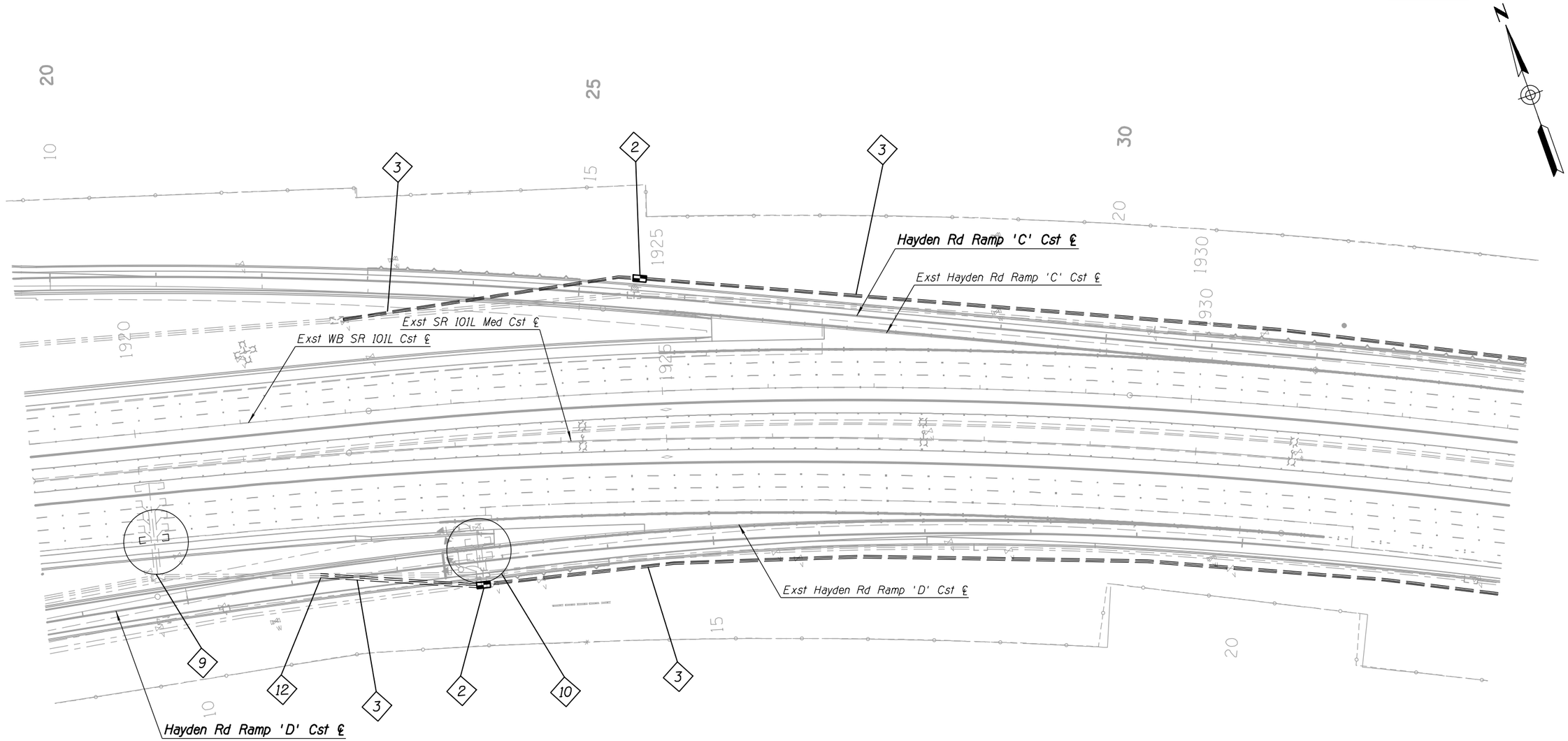
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
9	Install Two 6'x 6' Detector Loops
10	Relocate Ramp Meters
12	Intercept Existing Conduit

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1919+00 to Sta 1933+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE

TRACS NO. H8297 01L

DWG NO. T-2.46

___ OF ___

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
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2			

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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
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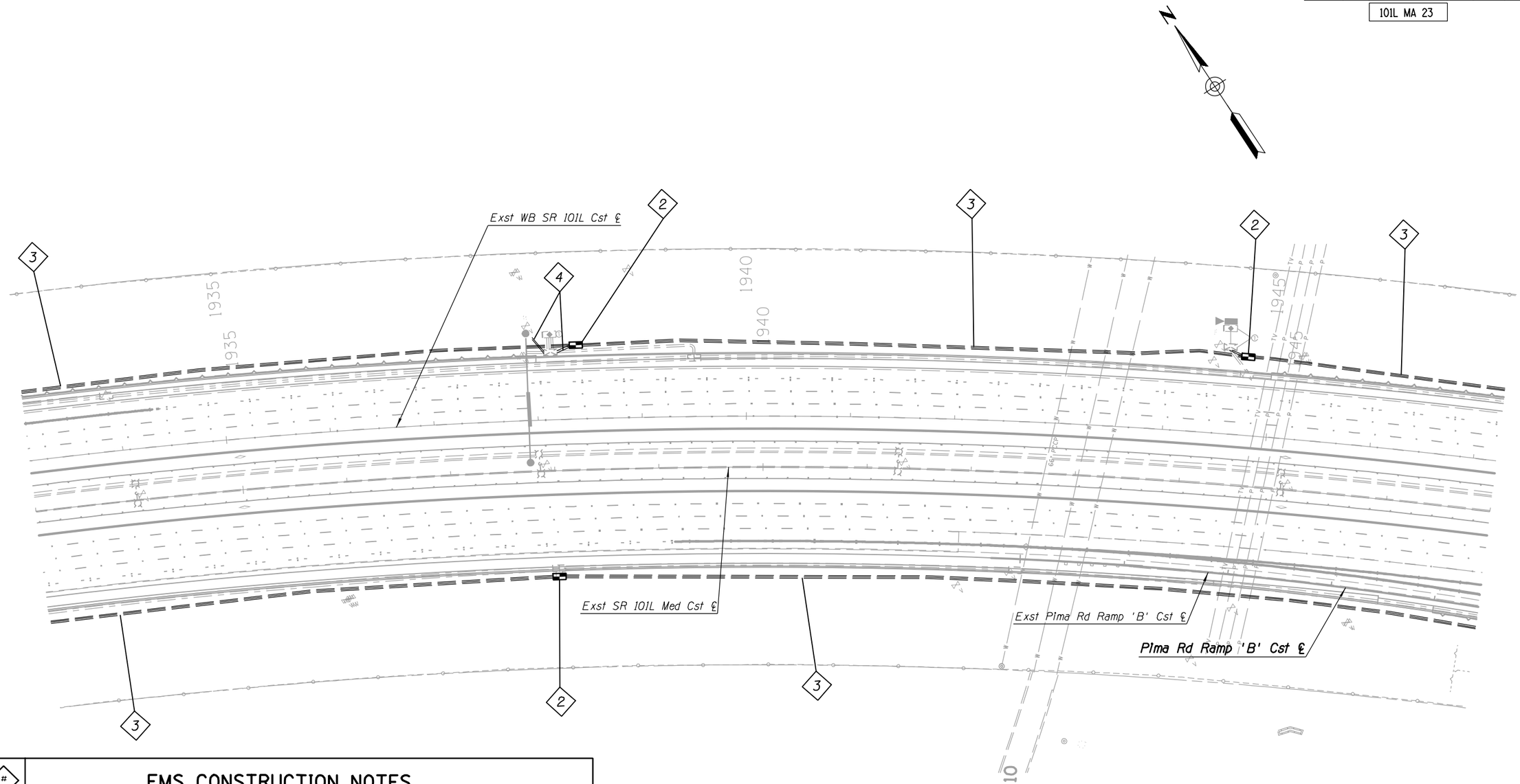

#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
4	Install 2-3" Conduits

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1933+00 to Sta 1947+00

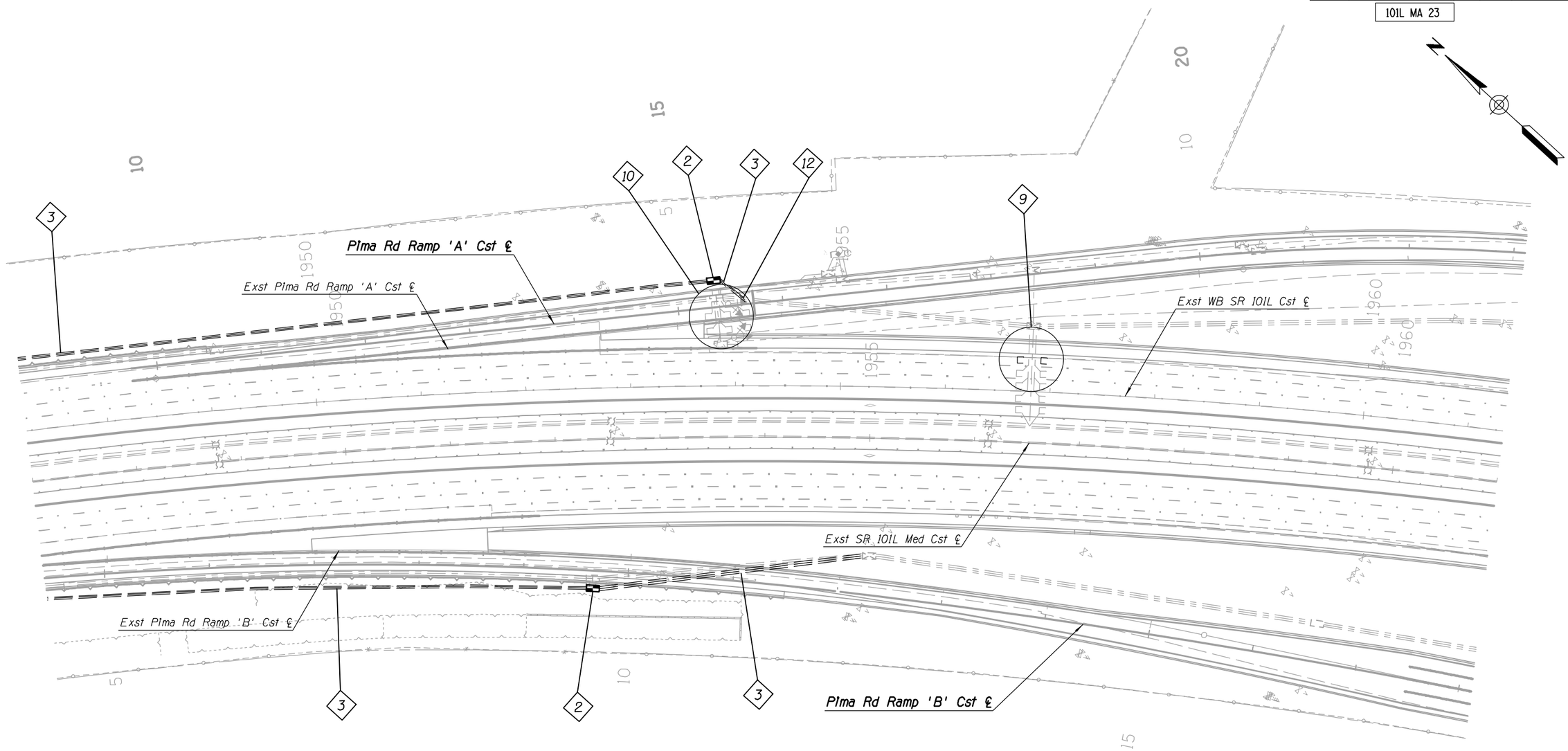
DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-2.47
TRACS NO. H8297 01L
___ OF ___

4/25/2016 U:\PIMA03\Prod\ele\o8297p47.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
2	Install New No. 9 Pull Box
3	Install 3-3" Conduits
9	Install Two 6'x 6' Detector Loops
10	Relocate Ramp Meters
12	Intercept Existing Conduit

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

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AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
PLAN SHEET
Sta 1947+00 to Sta 1961+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

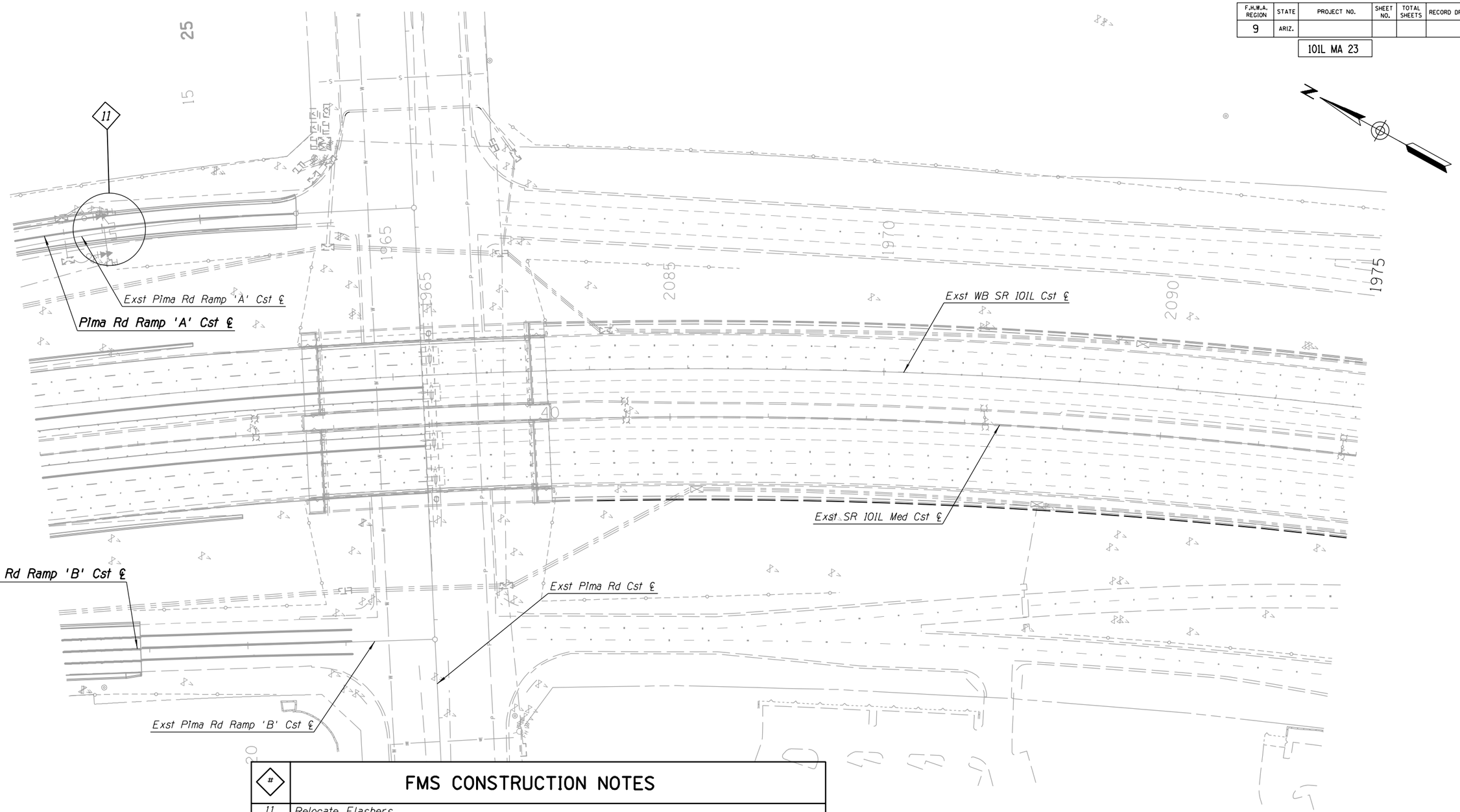
ROUTE: SR 101L
LOCATION: I-17 - PRINCESS DRIVE
DWG NO. T-2.48
TRACS NO. H8297 01L
___ OF ___

NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

4/25/2016 U:\PIMA03\Prod\ele\o8297p48.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

101L MA 23



#	FMS CONSTRUCTION NOTES
11	Relocate Flashers

NO. | DESCRIPTION OF REVISION | MADE BY | DATE

NO.1
NO.2

APPENDIX H

	NAME	DATE
DESIGN	JP	04-16
DRAWN	AE	04-16
CHECKED	GP	04-16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISIONS
TRAFFIC ELECTRICAL DESIGN

TRANSPORTATION
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4/25/2016 U:\PIMA03\Prod\ele\o8297p49.dgn