Pre-Final Design Concept Report

INTERSTATE 10 NEAR TERM IMPROVEMENTS
(SR 143 – SR 202L, Santan/South Mountain)

VOLUME 3 OF 3

APPENDIX H

ADOT CONTRACT NO. 2005-026
PROJECT NO. 010 MA 153 H8768 01L
FEDERAL NO. 010-C(213)S

Prepared For:

Arizona Department of Transportation

Prepared By:

AECOM

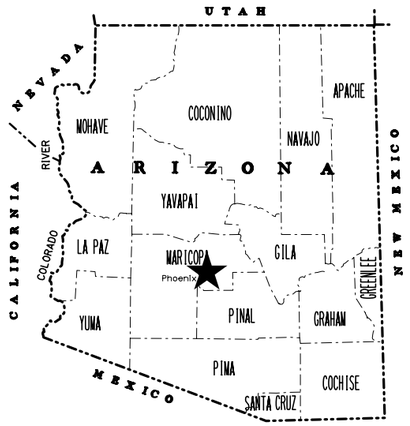
2777 E. Camelback Road, Suite 200
Phoenix, Arizona 85016

ON THE MOVE
PARTNERS IN PROGRESS

JANUARY 2016

APPENDIX H

PREFERRED ALTERNATIVE PLANS

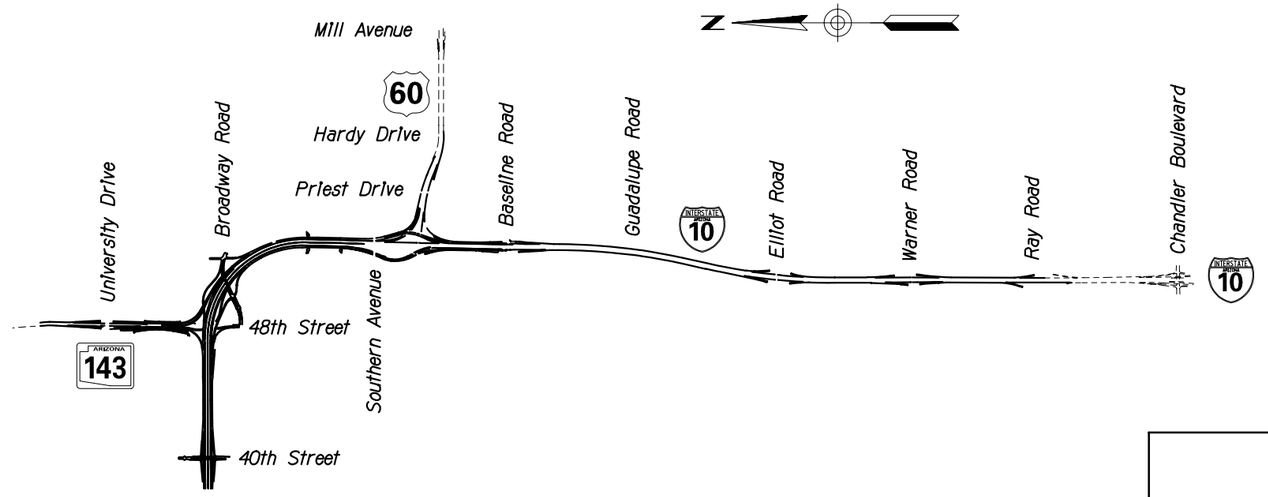


STATE OF ARIZONA
DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION

PROJECT PLANS

ADOT

INTERSTATE 10



APPENDIX H
FINAL DCR
PREFERRED ALTERNATIVE
AUGUST, 2016

I–10 NEAR–TERM IMPROVEMENTS
SR 143 – SR 202L, SANTAN/SOUTH MOUNTAIN

TRACS NO. H8768 01L

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
DALLAS HAMMIT, P.E., STATE ENGINEER

REC. DWGS. DATA	REC. DWG. DATE	OF

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768fs.dgn

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

MIDPOINT OF PROJECT

Central Zone
State Plane Coordinates

X= 682,000
Y= 877,000

DESIGN DATA

2035 ADT (I-10 at Broadway Curve)	=	442,000
Mainline		
I-10 Mainline	=	65 mph (match existing)
I-10 C-D Roads	=	55 mph
US 60 (East Hardy Drive)	=	60 mph (match existing)
US 60 (West Hardy Drive)	=	55 mph (match existing)
Transfer Ramps		
Exit from I-10 Mainline	=	60 mph
Entrance to I-10 Mainline	=	55 mph
Ramp Body	=	50 mph
Directional Ramps (I-10/US60 TI)		
Ramp S-E	=	50 mph (match existing)
Ramp N-E	=	50 mph (match existing)
Ramp W-N	=	55 mph
Ramp W-S	=	45 mph (match existing)
Ramp HOV	=	55 mph (match existing)
Service TI Ramps		
Nose of Gore (Exit Ramps)	=	55 mph (with US60 and C-D Roads)
	=	60 mph (with I-10 Mainline)
Nose of Gore (Entrance Ramps)	=	50 mph (with US60 and C-D Roads)
	=	55 mph (with I-10 Mainline)
Ramp Body	=	45 mph
Ramp Terminal	=	35 mph
Diablo Way	=	40 mph
Crossroads	=	Varies per Local Agency Requirements

INDEX OF SHEETS

DWG. NO.	SHEET TITLE
	GENERAL
	Face Sheet
G-1.1	Index of Sheets
G-2.1 - G-2.4	Typical Sections
	CIVIL
C-1.1 - C-1.19	Geometric Data Sheets
C-2.1 - C-2.22	Geometric Layout Sheets
C-3.1 - C-3.52	I-10 Plan & Profile Sheets
C-4.1 - C-4.5	US60 Plan & Profile Sheets
C-5.1 - C-5.10	I-10/US60 System Interchange
	DRAINAGE
D-1.1 - D-1.15	Drainage Plan Sheets
D-2.1 - D-2.33	Culvert Detail Sheets
	TRAFFIC
T-1.1 - T-1.19	Pavement Marking & Signing Sheets
T-2.1 - T-2.19	Lighting & FMS Plan Sheets

GENERAL NOTES

The roadway plans have been designed utilizing the 2007 Construction Standard Drawings (C-Series) and current revisions. Refer to the 1A sheet for a listing of current revision dates.

R/W markers will be furnished and placed by ADOT R/W Plans Section forces. See Special Provisions.

The project roadway shall be striped by the contractor in accordance with the current edition of the Signing and Marking Standard Drawings (M&S-Series) and the pavement marking plans.

For R/W information not shown, see Right-of-Way project No. .

Bench markers will be furnished by the State and shall be placed by the Contractor: Std C-21.20.

Pavement lift thickness is nominal.

Delineators, object markers and mile post markers shall be removed and reset as required.

Slope rounding shall be applied per Std C-02 series unless otherwise noted.

Where only the horizontal location of an existing utility is shown, the location is approximate. Where both the horizontal and vertical location of an existing utility is shown, the location has been verified by field survey methods. The contractor shall comply with all current Blue Stake laws and Section 107.15 of the Specifications.

The average project elevation is 1120.00'

Survey Monuments in median must not be disturbed.

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
7720 N 16th St, Suite 100
Phoenix, Arizona 85020
T 602.371.1100
AECOM
www.aecom.com

INDEX OF SHEETS

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. G-1.1

ROUTE	LOCATION
I-10	SR 143 - SR 202L, Santan/South Mountain

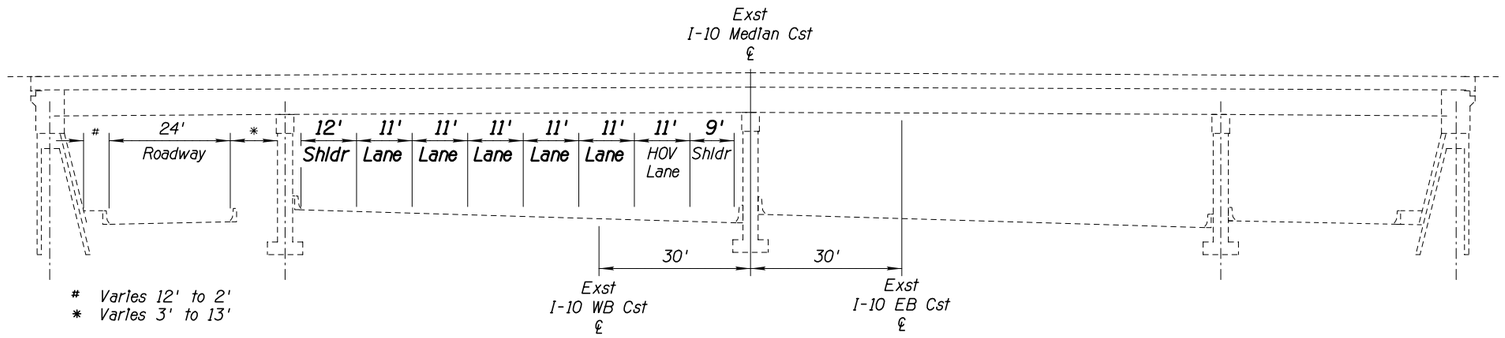
TRACS NO. H8768 01L

____ OF ____

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768ds01.dgn

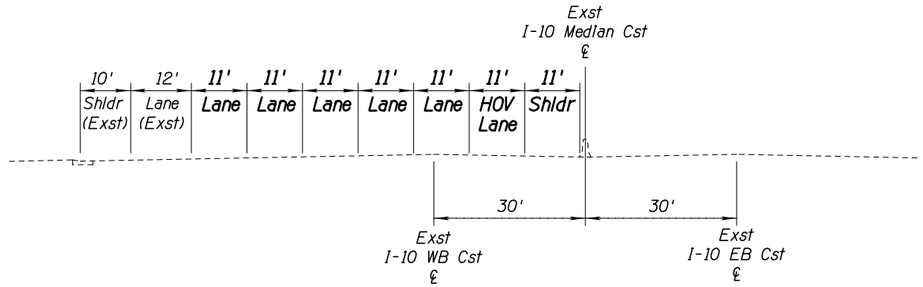
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

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



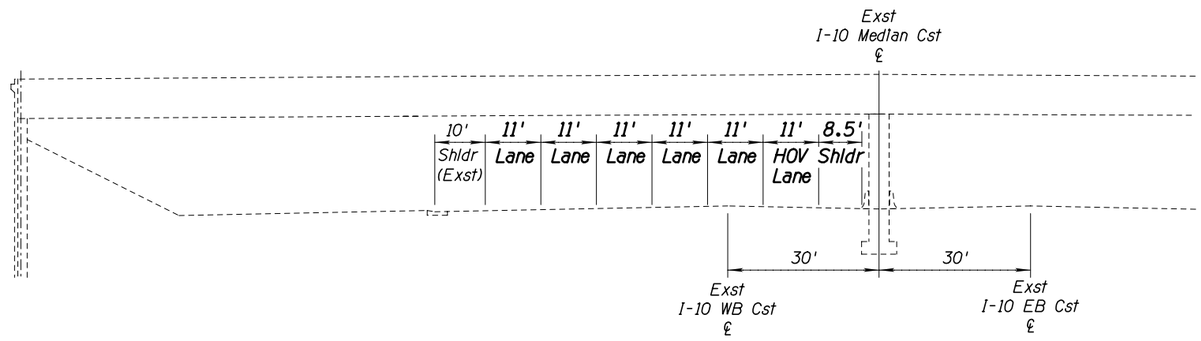
Typical Section: I-10

At 48th Street Underpass



Typical Section: I-10

(Between 40th Street to 48th Street)
(Match Exst at 36th Street)



Typical Section: I-10

At 40th Street Underpass

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

DESIGN SHEET
TYPICAL SECTIONS (I-10)

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. G-2.1

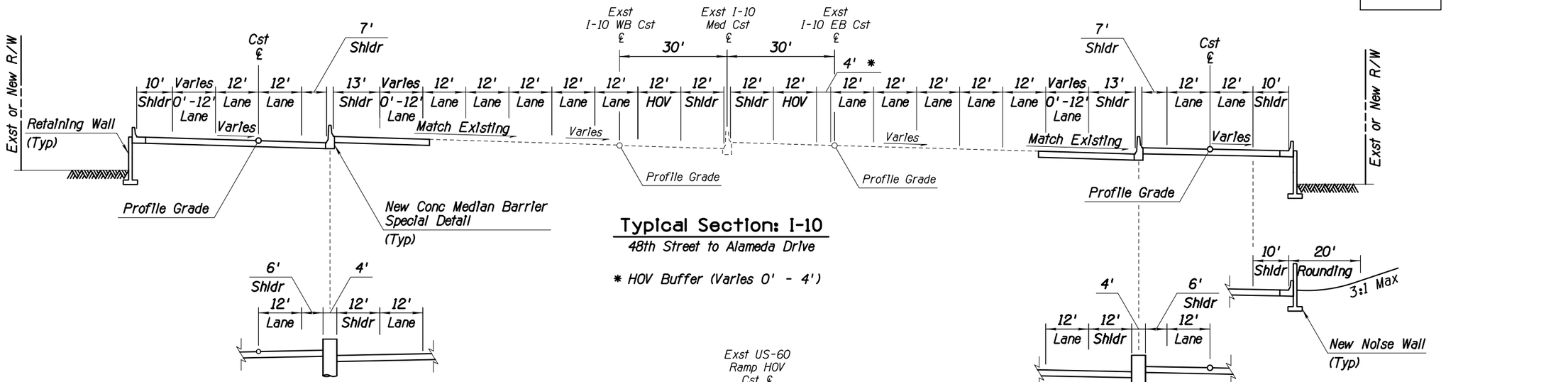
TRACS NO. H8768 01L

___ OF ___

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

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768ty01.dgn

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



Typical Section: I-10

48th Street to Alameda Drive

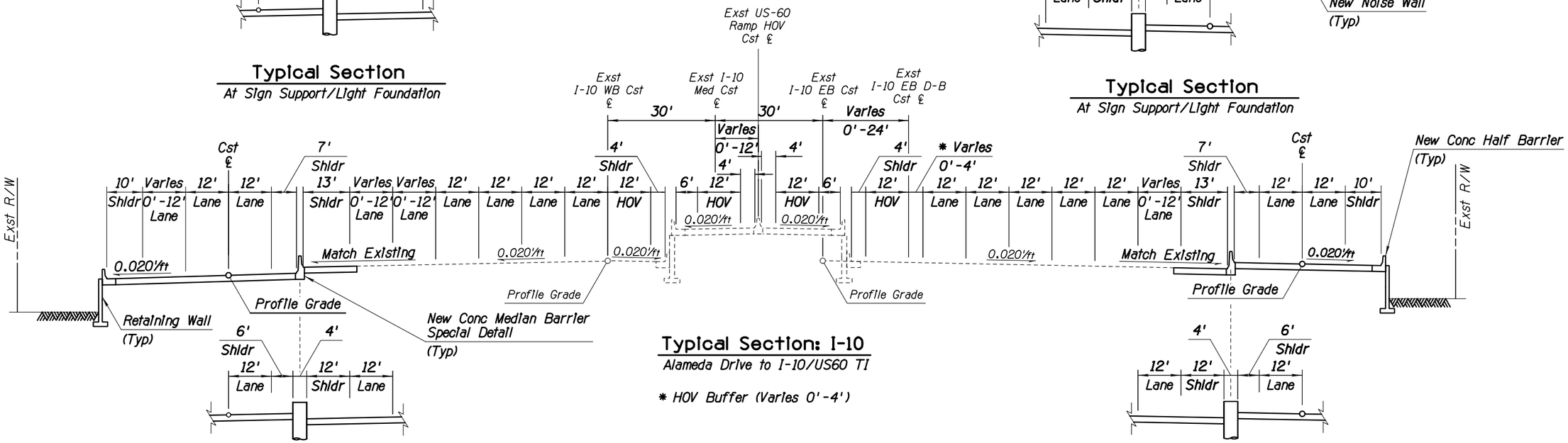
* HOV Buffer (Varies 0' - 4')

Typical Section

At Sign Support/Light Foundation

Typical Section

At Sign Support/Light Foundation



Typical Section: I-10

Alameda Drive to I-10/US60 TI

* HOV Buffer (Varies 0'-4')

Typical Section

At Sign Support/Light Foundation

Typical Section

At Sign Support/Light Foundation

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

DESIGN SHEET
TYPICAL SECTIONS (I-10)

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10

LOCATION: SR 143 - SR 202L, Santan/South Mountain

DWG NO. G-2.2

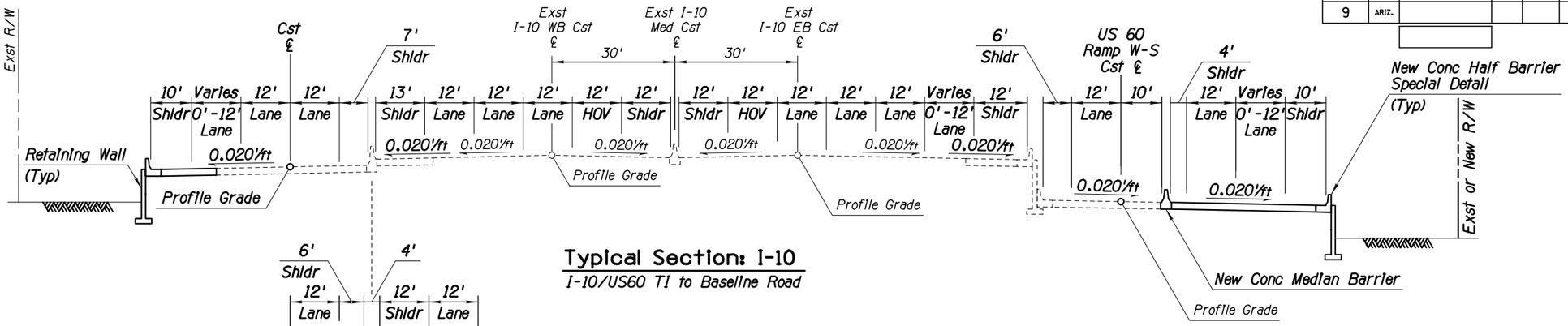
TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768ty02.dgn

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

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

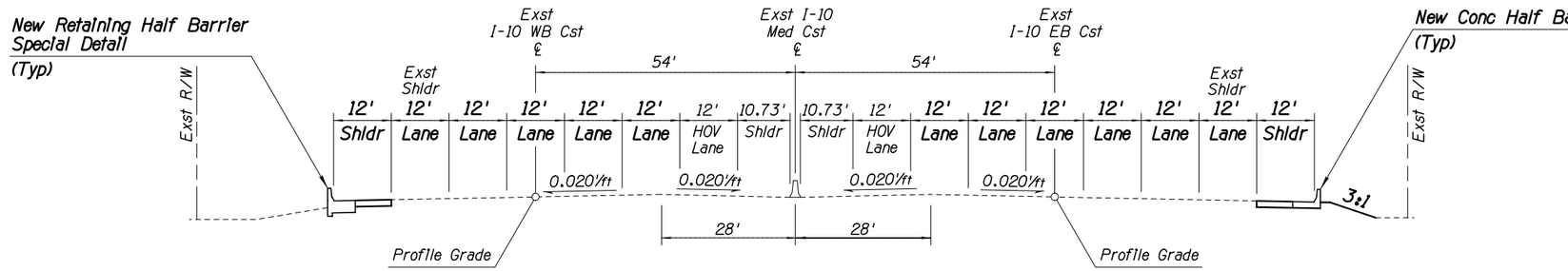


Typical Section: I-10

I-10/US60 TI to Baseline Road

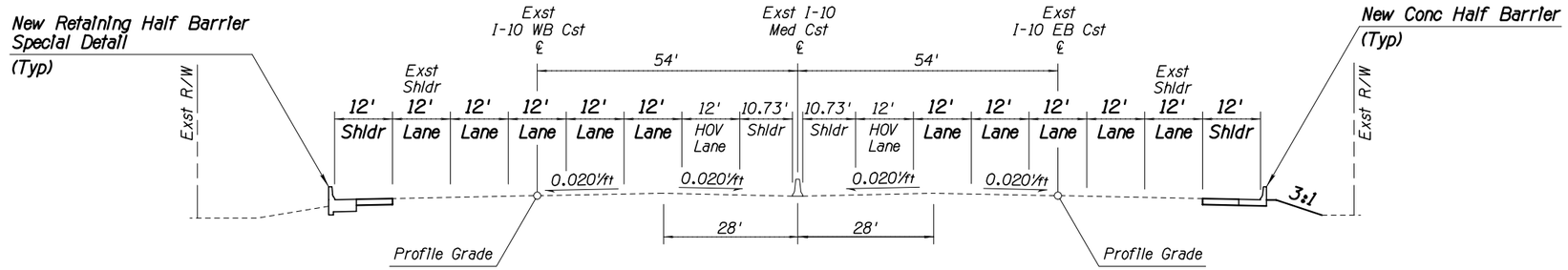
Typical Section

At Sign Support/Light Foundation



Typical Section: I-10

South of Baseline Road to Elliot Road



Typical Section: I-10

South of Elliot Road to Ray Road

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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DESIGN SHEET
TYPICAL SECTIONS (I-10)

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR 202L, Santan/South Mountain	G-2.3

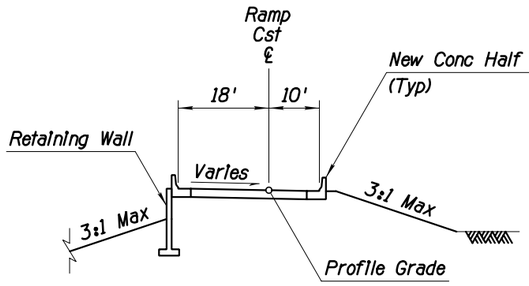
TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\I10-02\Spot\Prod\civ\h8768ty03.dgn

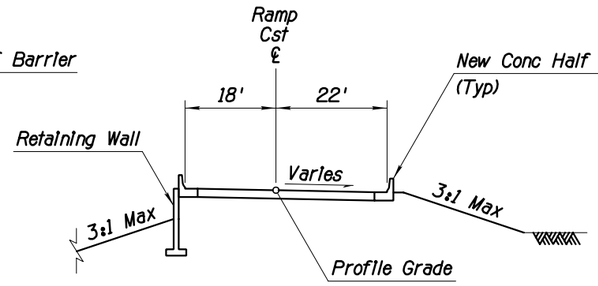
SURVEY NO. | FINISHED PLANS | REVISIONS | LOCATION | DATE | SURVEY NO.

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



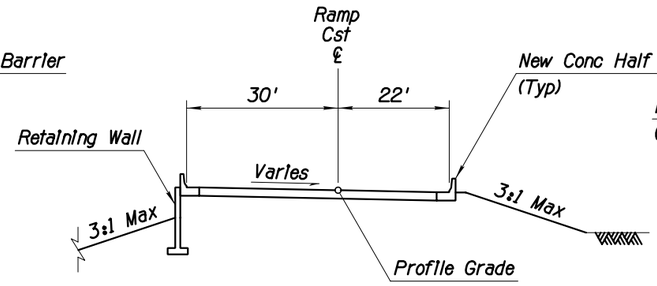
Typical Section

1-Lane Directional Ramp with Direction of Travel



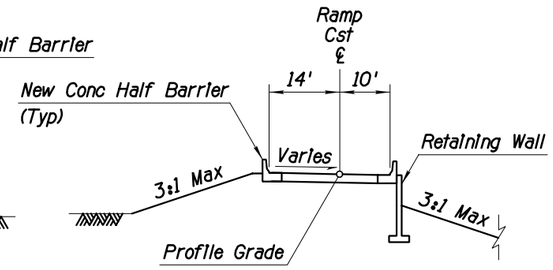
Typical Section

2-Lane Directional Ramp with Direction of Travel



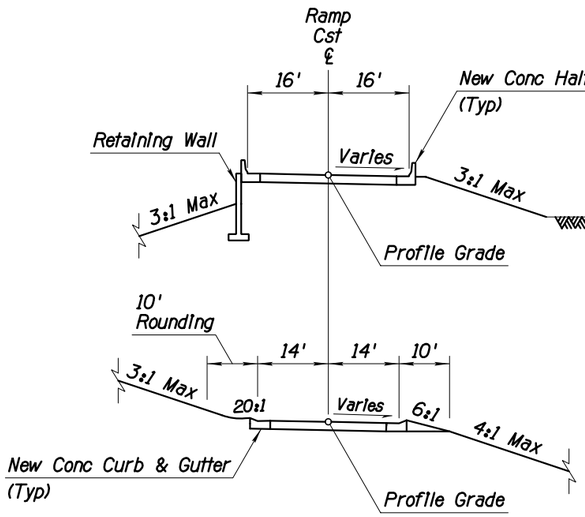
Typical Section

3-Lane Directional Ramp with Direction of Travel



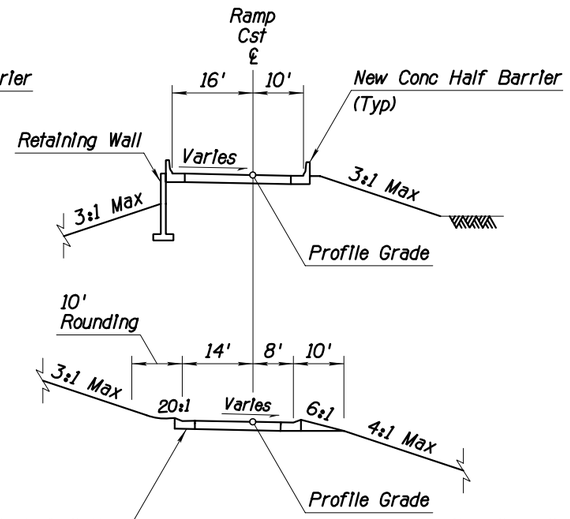
Typical Section

1 Lane Entrance Ramp with Direction of Travel



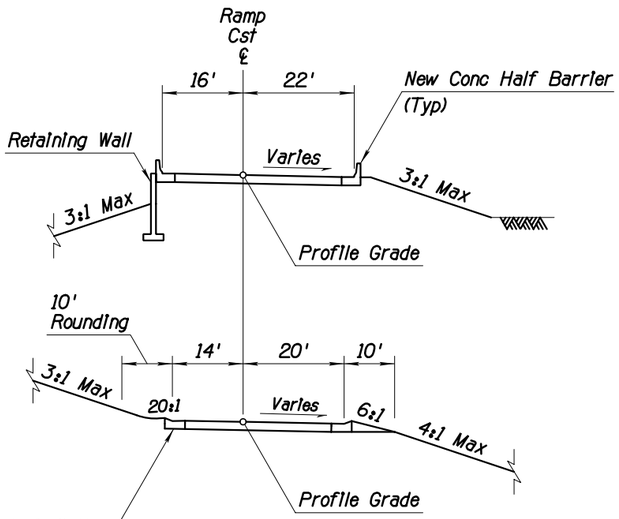
Typical Section

2-Lane Entrance Ramp with Direction of Travel



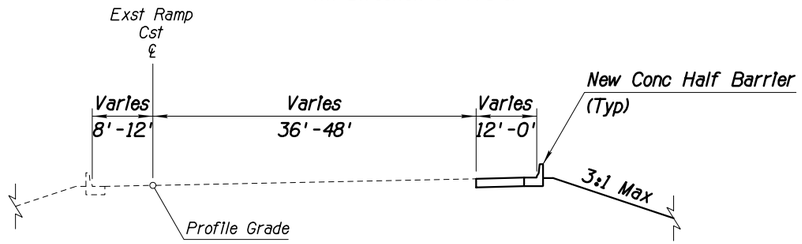
Typical Section

1-Lane Exit Ramp with Direction of Travel



Typical Section

2-Lane Exit Ramp with Direction of Travel



Typical Section

I-10/US60 TI Ramp 'S-E' (4 Lanes) with Direction of Travel

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

DESIGN SHEET
TYPICAL SECTIONS (RAMPS)

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR 202L, Santan/South Mountain	G-2.4

TRACS NO. H8768 01L ____ OF ____

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768ty04.dgn

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

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

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
	Exst I-10 Med Cst ℄ Combined Curve	7976+98.33	N=877142.053	E=671243.576	PI	TOTAL	Δ=55°18'38"		R+o=3821.46	L=4087.38	T=2202.49	T2=2202.49	Ext=494.63	
14	Exst I-10 Med Cst ℄	7957+62.54	N=878722.278	E=670125.467	SPI	SPIRAL	Δ=3°00'00"	o=1.75	t=199.98	Ls=400.00	LT=266.71	ST=133.37		SEE SUPERELEVATION DIAGRAM
15	Exst I-10 Med Cst ℄	7976+49.10	N=877241.321	E=671294.293	PI	SIMPLE	Δ=49°18'38"	D=1°30'00"	R=3819.72	L=3287.38	T=1753.27		Ext=383.16	SEE SUPERELEVATION DIAGRAM
16	Exst I-10 Med Cst ℄	7993+16.58	N=877162.068	E=673179.262	SPI	SPIRAL	Δ=3°00'00"	o=1.75	t=199.98	Ls=400.00	LT=266.71	ST=133.37		SEE SUPERELEVATION DIAGRAM
10003	Exst I-10 Med Cst ℄	8022+24.67	N=877192.138	E=676087.271	PI									
	Exst I-10 Med Cst ℄ Combined Curve	8108+51.58	N=877206.746	E=684714.171	PI	TOTAL	Δ=91°21'35"		R+o=3820.70	L=6390.65	T=4062.46	T2=4062.46	Ext=1648.84	
1	Exst I-10 Med Cst ℄	8069+89.14	N=877200.206	E=680851.730	SPI	SPIRAL	Δ=2°15'00"	o=0.98	t=149.99	Ls=300.00	LT=200.02	ST=100.01		SEE SUPERELEVATION DIAGRAM
2	Exst I-10 Med Cst ℄	8107+05.03	N=877060.607	E=684565.028	PI	SIMPLE	Δ=86°51'35"	D=1°30'00"	R=3819.72	L=5790.65	T=3615.91		Ext=1440.04	SEE SUPERELEVATION DIAGRAM
3	Exst I-10 Med Cst ℄	8129+79.79	N=873345.238	E=684629.051	SPI	SPIRAL	Δ=2°15'00"	o=0.98	t=149.99	Ls=300.00	LT=200.02	ST=100.01		SEE SUPERELEVATION DIAGRAM
10055	Exst I-10 Med Cst ℄	8210+45.05	N=865281.907	E=684451.309	PI									
4	Exst I-10 Med Cst ℄	8255+08.88	N=860818.089	E=684440.939	PI	SIMPLE	Δ=12°24'50"	D=0°15'00"	R=22918.31	L=4965.56	T=2492.54		Ext=135.14	SEE SUPERELEVATION DIAGRAM
5	Exst I-10 Med Cst ℄	8315+25.41	N=854926.191	E=683129.665	PI	SIMPLE	Δ=12°45'21"	D=0°15'00"	R=22918.31	L=5102.33	T=2561.75		Ext=142.73	SEE SUPERELEVATION DIAGRAM
9082	Exst I-10 Med Cst ℄	8370+72.59	N=849357.868	E=683149.960	PI									
9085	Exst I-10 Med Cst ℄	8423+74.35	N=844056.157	E=683128.504	PI									
9086	Exst I-10 Med Cst ℄	8476+78.40	N=838752.131	E=683145.478	PI									
	Exst I-10 EB Cst ℄ Combined Curve	7977+14.05	N=877111.892	E=671228.167	PI	TOTAL	Δ=55°18'38"		R+o=3851.46	L=4116.33	T=2218.22	T2=2218.22		
44	Exst I-10 EB Cst ℄	7957+63.33	N=878704.309	E=670101.431	SPI	SPIRAL	Δ=3°00'00"	o=1.75	t=199.98	Ls=401.57	LT=267.49	ST=134.15		SEE SUPERELEVATION DIAGRAM
45	Exst I-10 EB Cst ℄	7976+64.44	N=877211.926	E=671279.275	PI	SIMPLE	Δ=49°18'38"	D=1°29'18"	R=3849.72	L=3313.19	T=1767.04		Ext=386.17	SEE SUPERELEVATION DIAGRAM
46	Exst I-10 EB Cst ℄	7993+44.75	N=877132.062	E=673178.787	SPI	SPIRAL	Δ=3°00'00"	o=1.75	t=199.98	Ls=401.57	LT=267.49	ST=134.15		SEE SUPERELEVATION DIAGRAM
10403	Exst I-10 EB Cst ℄	8022+24.80	N=877162.139	E=676087.451	PI									
	Exst I-10 EB Cst ℄ Combined Curve	8108+20.86	N=877176.694	E=684683.501	PI	TOTAL	Δ=91°21'35"		R+o=3790.70	L=6342.81	T=4031.74	T2=4031.74		
31	Exst I-10 EB Cst ℄	8069+88.55	N=877170.205	E=680851.192	SPI	SPIRAL	Δ=2°15'00"	o=0.98	t=149.99	Ls=298.82	LT=199.43	ST=99.43		SEE SUPERELEVATION DIAGRAM
32	Exst I-10 EB Cst ℄	8106+75.45	N=877031.695	E=684535.521	PI	SIMPLE	Δ=86°51'35"	D=1°30'43"	R=3789.72	L=5745.17	T=3587.51		Ext=1428.73	SEE SUPERELEVATION DIAGRAM
33	Exst I-10 EB Cst ℄	8129+32.54	N=873345.310	E=684599.045	SPI	SPIRAL	Δ=2°15'00"	o=0.98	t=149.99	Ls=298.82	LT=199.43	ST=99.43		SEE SUPERELEVATION DIAGRAM
10455	Exst I-10 EB Cst ℄	8210+45.34	N=865282.272	E=684421.310	PI									
10480	Exst I-10 EB Cst ℄	8230+00.00	N=863327.029	E=684416.768	PI									
10481	Exst I-10 EB Cst ℄	8230+00.00	N=863327.085	E=684392.768	PI									
34	Exst I-10 EB Cst ℄	8255+03.00	N=860824.087	E=684386.953	PI	SIMPLE	Δ=12°24'50"	D=0°15'02"	R=22864.31	L=4953.86	T=2486.66		Ext=134.82	SEE SUPERELEVATION DIAGRAM
35	Exst I-10 EB Cst ℄	8315+31.45	N=854932.031	E=683075.643	PI	SIMPLE	Δ=12°45'21"	D=0°14'58"	R=22972.31	L=5114.35	T=2567.79		Ext=143.07	SEE SUPERELEVATION DIAGRAM
10486	Exst I-10 EB Cst ℄	8370+72.38	N=849357.879	E=683095.959	PI									
10487	Exst I-10 EB Cst ℄	8423+74.54	N=844056.180	E=683074.504	PI									
10488	Exst I-10 EB Cst ℄	8476+78.40	N=838751.958	E=683091.478	POT									

CURVE DATA TABLE

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

GEOMETRIC DATA SHEET
EXISTING CONDITIONS

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-1.1

TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768g01.dgn

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

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
	Exst I-10 WB Cst ℄ Combined Curve	7976+82.61	N=877172.214	E=671258.986	PI	TOTAL	Δ=55°18'38"		R+o=3821.46	L=4087.38	T=2202.49	T2=2202.49		
74	Exst I-10 WB Cst ℄	7957+46.82	N=878752.439	E=670140.876	SPI	SPIRAL	Δ=3°00'00"	o=1.75	t=199.98	Ls=400.00	LT=266.71	ST=133.37		SEE SUPERELEVATION DIAGRAM
75	Exst I-10 WB Cst ℄	7976+33.38	N=877271.482	E=671309.703	PI	SIMPLE	Δ=49°18'38"	D=1°30'00"	R=3819.72	L=3287.38	T=1753.27		Ext=383.16	SEE SUPERELEVATION DIAGRAM
76	Exst I-10 WB Cst ℄	7993+00.86	N=877192.229	E=673194.672	SPI	SPIRAL	Δ=3°00'00"	o=1.75	t=199.98	Ls=400.00	LT=266.71	ST=133.37		SEE SUPERELEVATION DIAGRAM
10203	Exst I-10 WB Cst ℄	8022+24.54	N=877222.138	E=676087.090	PI									
	Exst I-10 WB Cst ℄ Combined Curve	8108+82.30	N=877236.798	E=684744.841	PI	TOTAL	Δ=91°21'35"		R+o=3850.70	L=6438.49	T=4093.18	T2=4093.18		
61	Exst I-10 WB Cst ℄	8069+89.73	N=877230.207	E=680852.269	SPI	SPIRAL	Δ=2°15'00"	o=0.98	t=149.99	Ls=301.18	LT=200.61	ST=100.60		SEE SUPERELEVATION DIAGRAM
62	Exst I-10 WB Cst ℄	8107+34.60	N=877089.519	E=684594.534	PI	SIMPLE	Δ=86°51'35"	D=1°29'18"	R=3849.72	L=5836.13	T=3644.30		Ext=1451.35	SEE SUPERELEVATION DIAGRAM
63	Exst I-10 WB Cst ℄	8130+27.03	N=873345.166	E=684659.057	SPI	SPIRAL	Δ=2°15'00"	o=0.98	t=149.99	Ls=301.18	LT=200.61	ST=100.60		SEE SUPERELEVATION DIAGRAM
10255	Exst I-10 WB Cst ℄	8210+44.75	N=865281.541	E=684481.309	PI									
10280	Exst I-10 WB Cst ℄	8230+00.00	N=863326.890	E=684476.768	PI									
10281	Exst I-10 WB Cst ℄	8230+00.00	N=863326.834	E=684500.768	PI									
64	Exst I-10 WB Cst ℄	8255+14.75	N=860812.091	E=684494.925	PI	SIMPLE	Δ=12°24'50"	D=0°14'58"	R=22972.31	L=4977.26	T=2498.41		Ext=135.46	SEE SUPERELEVATION DIAGRAM
65	Exst I-10 WB Cst ℄	8315+19.37	N=854920.352	E=683183.687	PI	SIMPLE	Δ=12°45'21"	D=0°15'02"	R=22864.31	L=5090.31	T=2555.72		Ext=142.39	SEE SUPERELEVATION DIAGRAM
10286	Exst I-10 WB Cst ℄	8370+72.80	N=849357.857	E=683203.960	PI									
10287	Exst I-10 WB Cst ℄	8423+74.15	N=844056.134	E=683182.505	PI									
10288	Exst I-10 WB Cst ℄	8476+78.40	N=838752.303	E=683199.478	POT									
11910	Exst I-10 EB-DB Cst ℄	8135+39.54	N=872785.616	E=684586.708	POT									
11911	Exst I-10 EB-DB Cst ℄	8152+19.71	N=871106.553	E=684525.690	PI									
91	Exst I-10 EB-DB Cst ℄	8166+71.64	N=869654.981	E=684493.693	PI	SIMPLE	Δ=2°09'05"	D=0°18'00"	R=19098.59	L=717.16	T=358.62		Ext=3.37	SEE SUPERELEVATION DIAGRAM
92	Exst I-10 EB-DB Cst ℄	8173+10.84	N=869015.771	E=684503.608	PI	SIMPLE	Δ=2°09'05"	D=0°23'00"	R=14946.73	L=561.26	T=280.66		Ext=2.63	SEE SUPERELEVATION DIAGRAM
11916	Exst I-10 EB-DB Cst ℄	8175+91.44	N=868735.177	E=684497.423	PT									
17019	Exst 32nd St Cst ℄	8+01.13	N=878679.311	E=671956.469	POT									
451	Exst 32nd St Cst ℄	13+03.70	N=878219.112	E=671754.496	PI	SIMPLE	Δ=3°19'06"	D=1°08'45"	R=5000.00	L=289.58	T=144.83		Ext=2.10	SEE SUPERELEVATION DIAGRAM
17011	Exst 32nd St Cst ℄	23+25.00	N=877309.170	E=671290.574	PI									
452	Exst 32nd St Cst ℄	33+00.42	N=876446.980	E=670834.421	PI	SIMPLE	Δ=28°24'14"	D=4°00'00"	R=1432.39	L=710.10	T=362.50		Ext=45.16	SEE SUPERELEVATION DIAGRAM
3414	Exst 32nd St Cst ℄	39+51.03	N=875781.488	E=670840.488	POT									
17115	Exst 32nd St Ramp 'A' Cst ℄	0+00.00	N=877799.837	E=671540.734	POT									
	Exst 32nd St Ramp 'A' Cst ℄ Combined Curve	9+92.21	N=877319.305	E=672408.816	PI	TOTAL	Δ=22°33'34"			L=1139.63	T=495.62	T2=658.74		
461	Exst 32nd St Ramp 'A' Cst ℄	7+31.74	N=877445.453	E=672180.930	PI	SIMPLE	Δ=12°29'29"	D=2°40'00"	R=2148.59	L=468.43	T=235.15		Ext=12.83	SEE SUPERELEVATION DIAGRAM
462	Exst 32nd St Ramp 'A' Cst ℄	13+01.49	N=877283.339	E=672729.073	PI	SIMPLE	Δ=10°04'05"	D=1°30'00"	R=3819.72	L=671.20	T=336.47		Ext=14.79	SEE SUPERELEVATION DIAGRAM
17114	Exst 32nd St Ramp 'A' Cst ℄	16+36.22	N=877245.789	E=673063.438	PT									

CURVE DATA TABLE

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ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-1.2

TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768g02.dgn

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

DATE-
LOCATION-
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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											
17200	Exst 32nd St Ramp 'B' Cst ℄	0+00.00	N=877387.567	E=671330.544	POT									
471	Exst 32nd St Ramp 'B' Cst ℄	10+75.05	N=877037.312	E=672346.941	PI	SIMPLE	Δ=20°36'24"	D=1°15'00"	R=4583.66	L=1648.53	T=833.27		Ext=75.12	SEE SUPERELEVATION DIAGRAM
17213	Exst 32nd St Ramp 'B' Cst ℄	25+55.02	N=877078.941	E=673844.333	POT									
3430	Exst 40th St Cst ℄	6+71.26	N=878520.750	E=676081.382	POT									
18010	Exst 40th St Cst ℄	11+49.89	N=878042.126	E=676083.328	PI									
18011	Exst 40th St Cst ℄	16+00.00	N=877592.089	E=676075.158	PI									
18012	Exst 40th St Cst ℄	27+00.00	N=876492.098	E=676079.630	PI									
18013	Exst 40th St Cst ℄	31+00.12	N=876092.142	E=676091.257	PI									
3421	Exst 40th St Cst ℄	33+28.50	N=875863.771	E=676092.185	POT									
18110	Exst 40th St Ramp 'A' Cst ℄	10+00.00	N=877428.131	E=676085.824	POT									
521	Exst 40th St Ramp 'A' Cst ℄	12+88.00	N=877428.540	E=676373.823	PI	SIMPLE	Δ=7°53'56"	D=6°00'00"	R=954.93	L=131.65	T=65.93		Ext=2.27	SEE SUPERELEVATION DIAGRAM
522	Exst 40th St Ramp 'A' Cst ℄	20+04.70	N=877331.026	E=677084.072	PI	SIMPLE	Δ=3°54'53"	D=1°00'00"	R=5729.58	L=391.46	T=195.81		Ext=3.34	SEE SUPERELEVATION DIAGRAM
18117	Exst 40th St Ramp 'A' Cst ℄	26+81.18	N=877284.969	E=677759.136	POT									
18220	Exst 40th St Ramp 'B' Cst ℄	9+44.65	N=876835.628	E=676140.234	POT									
541	Exst 40th St Ramp 'B' Cst ℄	10+81.38	N=876972.087	E=676148.774	PI	SIMPLE	Δ=81°47'03"	D=86°48'42"	R=66.00	L=94.21	T=57.16		Ext=21.31	SEE SUPERELEVATION DIAGRAM
531	Exst 40th St Ramp 'B' Cst ℄	14+71.74	N=877005.254	E=676557.892	PI	SIMPLE	Δ=2°35'30"	D=0°51'50"	R=6632.31	L=300.00	T=150.03		Ext=1.70	SEE SUPERELEVATION DIAGRAM
532	Exst 40th St Ramp 'B' Cst ℄	20+73.77	N=877080.993	E=677155.193	PI	SIMPLE	Δ=5°59'02"	D=2°00'00"	R=2864.79	L=299.19	T=149.73		Ext=3.91	SEE SUPERELEVATION DIAGRAM
18217	Exst 40th St Ramp 'B' Cst ℄	32+21.41	N=877105.890	E=678302.840	POT									
18310	Exst 40th St Ramp 'C' Cst ℄	5+21.02	N=877083.360	E=674271.698	PC									
511	Exst 40th St Ramp 'C' Cst ℄	7+21.11	N=877085.429	E=674471.773	PI	SIMPLE	Δ=4°02'15"	D=1°00'34"	R=5676.44	L=400.01	T=200.09		Ext=3.53	SEE SUPERELEVATION DIAGRAM
	Exst 40th St Ramp 'C' Cst ℄ Combined Curve	15+45.74	N=877035.865	E=675295.078	PI	TOTAL	Δ=33°49'31"		R+o=719.11	L=646.82	T=330.57	T2=330.57		
512	Exst 40th St Ramp 'C' Cst ℄	13+64.70	N=877046.744	E=675114.364	SPI	SPIRAL	Δ=8°57'36"	o=2.92	t=111.91	Ls=224.00	LT=149.53	ST=74.84		SEE SUPERELEVATION DIAGRAM
513	Exst 40th St Ramp 'C' Cst ℄	15+39.23	N=877009.174	E=675285.174	PI	SIMPLE	Δ=15°54'19"	D=8°00'00"	R=716.20	L=198.82	T=100.05		Ext=6.95	SEE SUPERELEVATION DIAGRAM
514	Exst 40th St Ramp 'C' Cst ℄	17+12.83	N=876926.231	E=675439.147	SPI	SPIRAL	Δ=8°57'36"	o=2.92	t=111.91	Ls=224.00	LT=149.53	ST=74.84		SEE SUPERELEVATION DIAGRAM
515	Exst 40th St Ramp 'C' Cst ℄	21+38.83	N=876668.035	E=675778.443	PI	SIMPLE	Δ=37°30'12"	D=16°00'00"	R=358.10	L=234.40	T=121.57		Ext=20.07	SEE SUPERELEVATION DIAGRAM
18323	Exst 40th St Ramp 'C' Cst ℄	24+40.56	N=876669.298	E=676088.910	POT									
18410	Exst 40th St Ramp 'D' Cst ℄	0+00.00	N=877242.987	E=673461.104	POT									
	Exst 40th St Ramp 'D' Cst ℄ Combined Curve	13+89.88	N=877288.057	E=674850.252	PI	TOTAL	Δ=5°32'13"			L=806.65	T=443.58	T2=363.70		
501	Exst 40th St Ramp 'D' Cst ℄	11+96.35	N=877281.781	E=674656.828	PI	SIMPLE	Δ=2°53'02"	D=0°34'36"	R=9933.77	L=500.00	T=250.05		Ext=3.15	SEE SUPERELEVATION DIAGRAM
502	Exst 40th St Ramp 'D' Cst ℄	15+99.65	N=877315.132	E=675058.853	PI	SIMPLE	Δ=2°39'11"	D=0°51'55"	R=6622.51	L=306.65	T=153.35		Ext=1.78	SEE SUPERELEVATION DIAGRAM
503	Exst 40th St Ramp 'D' Cst ℄	22+61.26	N=877400.296	E=675715.012	PI	SIMPLE	Δ=6°48'10"	D=2°15'00"	R=2546.48	L=302.35	T=151.35		Ext=4.49	SEE SUPERELEVATION DIAGRAM
18419	Exst 40th St Ramp 'D' Cst ℄	26+31.84	N=877404.131	E=676085.922	POT									

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ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR 202L, Santan/South Mountain	C-1.3

TRACS NO. H8768 01L ___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768g18.dgn

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

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PLAN REF NO		P.I./P.O.T. STATION	COORDINATES											
18610	Exst 40th St Ramp 'F' Cst ℄	10+00.00	N=877025.406	E=676025.461	TS									
551	Exst 40th St Ramp 'F' Cst ℄	12+11.59	N=876813.817	E=676026.322	SPI	SPIRAL	Δ=57°17'45"	o=24.13	t=145.14	Ls=300.00	LT=211.59	ST=110.62		SEE SUPERELEVATION DIAGRAM
552	Exst 40th St Ramp 'F' Cst ℄	15+13.37	N=876637.657	E=675754.408	PI	SIMPLE	Δ=109°47'10"	D=38°11'50"	R=150.00	L=287.42	T=213.37		Ext=110.82	SEE SUPERELEVATION DIAGRAM
553	Exst 40th St Ramp 'F' Cst ℄	18+50.24	N=877101.391	E=675646.057	SPI	SPIRAL	Δ=103°03'15"	o=72.15	t=243.18	Ls=539.59	LT=448.67	ST=262.82		SEE SUPERELEVATION DIAGRAM
18619	Exst 40th St Ramp 'F' Cst ℄	21+27.01	N=877102.151	E=676094.705	ST									
19110	Exst 48th St Ramp 'A' Cst ℄	10+00.00	N=877287.769	E=679412.474	POT									
	Exst 48th St Ramp 'A' Cst ℄ Combined Curve	27+64.25	N=877326.033	E=681176.309	PI	TOTAL	Δ=83°40'50"			L=1447.68	T=1064.33	T2=619.51		
291	Exst 48th St Ramp 'A' Cst ℄	18+66.02	N=877306.552	E=680278.286	PI	SIMPLE	Δ=1°39'39"	D=0°30'00"	R=11459.16	L=332.16	T=166.09		Ext=1.20	SEE SUPERELEVATION DIAGRAM
292	Exst 48th St Ramp 'A' Cst ℄	22+40.24	N=877325.509	E=680652.052	SPI	SPIRAL	Δ=14°24'00"	o=5.95		Ls=320.00	LT=208.15	ST=113.27		SEE SUPERELEVATION DIAGRAM
293	Exst 48th St Ramp 'A' Cst ℄	28+03.50	N=877493.467	E=681191.184	PI	SIMPLE	Δ=67°37'11"	D=8°30'00"	R=674.07	L=795.52	T=451.42		Ext=137.19	SEE SUPERELEVATION DIAGRAM
19118	Exst 48th St Ramp 'A' Cst ℄	37+83.48	N=878576.486	E=681287.400	POT									
19210	Exst 48th St Ramp 'B' Cst ℄	2+66.51	N=878466.954	E=681378.673	POT									
19213	Exst 48th St Ramp 'B' Cst ℄	7+11.29	N=878022.249	E=681386.971	PI	SIMPLE	Δ=47°54'21"	D=6°00'00"	R=954.93	L=798.43	T=424.22		Ext=89.99	SEE SUPERELEVATION DIAGRAM
214	Exst 48th St Ramp 'B' Cst ℄	21+95.32	N=877015.321	E=682544.282	PI	SIMPLE	Δ=3°54'17"	D=1°00'00"	R=5729.58	L=390.48	T=195.32		Ext=3.33	SEE SUPERELEVATION DIAGRAM
215	Exst 48th St Ramp 'B' Cst ℄	34+90.48	N=876233.611	E=683577.125	PI	SIMPLE	Δ=16°32'33"	D=2°09'57"	R=2645.56	L=763.82	T=384.59		Ext=27.81	SEE SUPERELEVATION DIAGRAM
19208	Exst 48th St Ramp 'B' Cst ℄	41+43.59	N=875703.191	E=683967.289	POE									
19310	Exst 48th St Ramp 'C' Cst ℄	0+00.00	N=877107.854	E=679462.779	POT									
	Exst 48th St Ramp 'C' Cst ℄ Combined Curve	7+16.80	N=877059.063	E=680177.916	PI	TOTAL	Δ=25°08'56"		R+o=1433.56	L=728.73	T=417.01	T2=322.25		
311	Exst 48th St Ramp 'C' Cst ℄	4+33.15	N=877078.370	E=679894.927	SPI	SPIRAL	Δ=4°00'00"	o=1.16	t=99.98	Ls=200.00	LT=133.37	ST=66.70		SEE SUPERELEVATION DIAGRAM
312	Exst 48th St Ramp 'C' Cst ℄	7+67.19	N=877032.432	E=680225.857	PI	SIMPLE	Δ=21°08'56"	D=4°00'00"	R=1432.39	L=528.73	T=267.41		Ext=24.75	SEE SUPERELEVATION DIAGRAM
	Exst 48th St Ramp 'C' Cst ℄ Combined Curve	16+78.24	N=876587.066	E=681027.602	PI	TOTAL	Δ=30°58'31"			L=510.38	T=301.22	T2=221.31		
313	Exst 48th St Ramp 'C' Cst ℄	14+70.85	N=876687.777	E=680846.304	PI	SIMPLE	Δ=7°29'43"	D=4°00'00"	R=1432.39	L=187.38	T=93.82		Ext=3.07	SEE SUPERELEVATION DIAGRAM
314	Exst 48th St Ramp 'C' Cst ℄	16+23.48	N=876631.598	E=680988.508	PI	SIMPLE	Δ=7°04'48"	D=6°00'00"	R=954.93	L=118.00	T=59.08		Ext=1.83	SEE SUPERELEVATION DIAGRAM
315	Exst 48th St Ramp 'C' Cst ℄	17+85.61	N=876591.030	E=681145.636	PI	SIMPLE	Δ=16°24'00"	D=8°00'00"	R=716.20	L=205.00	T=103.21		Ext=7.40	SEE SUPERELEVATION DIAGRAM
19325	Exst 48th St Ramp 'C' Cst ℄	19+55.41	N=876596.775	E=681316.745	POT									
19410	Exst 48th St Ramp 'D' Cst ℄	0+00.00	N=876987.354	E=681273.269	PC									
321	Exst 48th St Ramp 'D' Cst ℄	1+14.84	N=876872.513	E=681273.115	PI	SIMPLE	Δ=39°50'28"	D=18°04'50"	R=316.89	L=220.35	T=114.84		Ext=20.17	SEE SUPERELEVATION DIAGRAM
322	Exst 48th St Ramp 'D' Cst ℄	3+87.40	N=876656.317	E=681092.231	PI	SIMPLE	Δ=79°44'20"	D=28°38'52"	R=200.00	L=278.34	T=167.04		Ext=60.58	SEE SUPERELEVATION DIAGRAM
323	Exst 48th St Ramp 'D' Cst ℄	6+85.71	N=876831.507	E=680784.550	PI	SIMPLE	Δ=96°52'03"	D=34°32'52"	R=165.84	L=280.39	T=187.02		Ext=84.11	SEE SUPERELEVATION DIAGRAM
324	Exst 48th St Ramp 'D' Cst ℄	9+07.06	N=877084.640	E=680972.024	SPI	SPIRAL	Δ=59°33'28"	o=25.25		Ls=330.00	LT=229.74	ST=127.98		SEE SUPERELEVATION DIAGRAM
325	Exst 48th St Ramp 'D' Cst ℄	21+50.40	N=876949.981	E=682235.834	PI	SIMPLE	Δ=31°25'24"	D=1°32'52"	R=3701.72	L=2030.18	T=1041.32		Ext=143.68	SEE SUPERELEVATION DIAGRAM
326	Exst 48th St Ramp 'D' Cst ℄	36+48.89	N=876005.707	E=683466.201	PI	SIMPLE	Δ=11°19'32"	D=2°30'00"	R=2291.83	L=453.02	T=227.25		Ext=11.24	SEE SUPERELEVATION DIAGRAM
19422	Exst 48th St Ramp 'D' Cst ℄	38+74.66	N=875834.638	E=683615.797	PT									

CURVE DATA TABLE

APPENDIX H

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ROADWAY DESIGN SERVICES

GEOMETRIC DATA SHEET
EXISTING CONDITIONS

DCR

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ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-1.4
TRACS NO. H8768 01L
___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768g19.dgn

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

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	
3423	Exst SR143 Med Cst ℄	0+00.00	N=875876.446	E=681315.779	POT									
3476	Exst SR143 Med Cst ℄	26+48.97	N=878525.414	E=681319.331	POT									
37010	Exst US60 Ramp 'S-E' Cst ℄	64+53.33	N=872243.033	E=684514.733	PC									
121	Exst US60 Ramp 'S-E' Cst ℄	68+53.49	N=871842.968	E=684505.914	PI	SIMPLE	Δ=4°00'00"	D=0°30'00"	R=11459.16	L=800.00	T=400.16		Ext=6.98	SEE SUPERELEVATION DIAGRAM
	Exst US60 Ramp 'S-E' Cst ℄ Combined Curve	78+06.88	N=870893.271	E=684418.436	PI	TOTAL	Δ=20°42'12"		R+o=1910.53	L=865.11	T=436.48	T2=436.48		
122	Exst US60 Ramp 'S-E' Cst ℄	74+87.09	N=871211.721	E=684447.769	SPI	SPIRAL	Δ=2°37'30"	o=0.67	t=87.49	Ls=175.00	LT=116.68	ST=58.34		SEE SUPERELEVATION DIAGRAM
123	Exst US60 Ramp 'S-E' Cst ℄	78+04.54	N=870897.250	E=684404.201	PI	SIMPLE	Δ=15°27'12"	D=3°00'00"	R=1909.86	L=515.11	T=259.13		Ext=17.50	SEE SUPERELEVATION DIAGRAM
124	Exst US60 Ramp 'S-E' Cst ℄	81+18.87	N=870605.756	E=684278.415	SPI	SPIRAL	Δ=2°37'30"	o=0.67	t=87.49	Ls=175.00	LT=116.68	ST=58.34		SEE SUPERELEVATION DIAGRAM
37020	Exst US60 Ramp 'S-E' Cst ℄	83+75.88	N=870374.664	E=684165.872	POT									
37121	Exst US60 Ramp 'S-E' Cst ℄	83+75.88	N=870358.902	E=684198.238	TS	SPIRAL								
	Exst US60 Ramp 'S-E' Cst ℄ Combined Curve	99+04.26	N=868984.811	E=683529.052	PI	TOTAL	Δ=109°17'37"		R+o=960.27	L=2171.56	T=1528.38	T2=1528.38		
125	Exst US60 Ramp 'S-E' Cst ℄	86+09.63	N=870148.753	E=684095.895	SPI	SPIRAL	Δ=10°30'00"	o=5.34	t=174.80	Ls=350.00	LT=233.75	ST=117.04		SEE SUPERELEVATION DIAGRAM
126	Exst US60 Ramp 'S-E' Cst ℄	96+52.79	N=869142.608	E=683817.505	PI	SIMPLE	Δ=88°17'37"	D=6°00'00"	R=954.93	L=1471.56	T=926.91		Ext=375.88	SEE SUPERELEVATION DIAGRAM
127	Exst US60 Ramp 'S-E' Cst ℄	103+14.48	N=868834.383	E=684814.915	SPI	SPIRAL	Δ=10°30'00"	o=5.34	t=174.80	Ls=350.00	LT=233.75	ST=117.04		SEE SUPERELEVATION DIAGRAM
	Exst US60 Ramp 'S-E' Cst ℄ Combined Curve	122+76.08	N=868606.367	E=686764.006	PI	TOTAL	Δ=16°07'57"		R+o=4584.12	L=1515.60	T=762.16	T2=762.16		
128	Exst US60 Ramp 'S-E' Cst ℄	116+63.93	N=868677.495	E=686155.998	SPI	SPIRAL	Δ=1°24'23"	o=0.46	t=112.50	Ls=225.00	LT=150.00	ST=75.00		SEE SUPERELEVATION DIAGRAM
129	Exst US60 Ramp 'S-E' Cst ℄	122+74.13	N=868591.739	E=686760.158	PI	SIMPLE	Δ=13°19'12"	D=1°15'00"	R=4583.66	L=1065.60	T=535.21		Ext=31.14	SEE SUPERELEVATION DIAGRAM
130	Exst US60 Ramp 'S-E' Cst ℄	128+79.52	N=868369.099	E=687328.308	SPI	SPIRAL	Δ=1°24'22"	o=0.46	t=112.50	Ls=225.00	LT=150.00	ST=75.00		SEE SUPERELEVATION DIAGRAM
	Exst US60 Ramp 'S-E' Cst ℄ Combined Curve	139+96.43	N=867936.190	E=688357.910	PI	TOTAL	Δ=22°45'59"		R+o=2866.10	L=1438.32	T=727.02	T2=727.02		
131	Exst US60 Ramp 'S-E' Cst ℄	134+69.44	N=868140.448	E=687872.115	SPI	SPIRAL	Δ=3°00'00"	o=1.31	t=149.99	Ls=300.00	LT=200.03	ST=100.03		SEE SUPERELEVATION DIAGRAM
132	Exst US60 Ramp 'S-E' Cst ℄	139+91.58	N=867963.516	E=688363.431	PI	SIMPLE	Δ=16°45'59"	D=2°00'00"	R=2864.79	L=838.32	T=422.18		Ext=30.94	SEE SUPERELEVATION DIAGRAM
133	Exst US60 Ramp 'S-E' Cst ℄	145+07.75	N=867935.835	E=688884.900	SPI	SPIRAL	Δ=3°00'00"	o=1.31	t=149.99	Ls=300.00	LT=200.03	ST=100.03		SEE SUPERELEVATION DIAGRAM
37142	Exst US60 Ramp 'S-E' Cst ℄	147+67.74	N=867935.660	E=689144.937	POT									
38010	Exst US60 Ramp 'S-E DB' Cst ℄	266+71.21	N=872028.573	E=684499.157	PC									SEE SUPERELEVATION DIAGRAM
141	Exst US60 Ramp 'S-E DB' Cst ℄	268+70.86	N=871829.056	E=684491.906	PI	SIMPLE	Δ=3°59'29"	D=1°00'00"	R=5729.58	L=399.13	T=199.65		Ext=3.48	SEE SUPERELEVATION DIAGRAM
	Exst US60 Ramp 'S-E DB' Cst ℄ Combined Curve	278+43.10	N=870862.112	E=684389.038	PI	TOTAL	Δ=17°16'07"		R+o=1433.39	L=524.22	T=306.79	T2=220.86		
142	Exst US60 Ramp 'S-E DB' Cst ℄	276+59.66	N=871044.514	E=684408.443	SPI	SPIRAL	Δ=3°42'00"	o=1.00	t=92.49	Ls=185.00	LT=123.36	ST=61.69		SEE SUPERELEVATION DIAGRAM
143	Exst US60 Ramp 'S-E DB' Cst ℄	278+91.71	N=870815.786	E=684369.047	PI	SIMPLE	Δ=13°34'07"	D=4°00'00"	R=1432.39	L=339.22	T=170.41		Ext=10.10	SEE SUPERELEVATION DIAGRAM
37017	Exst US60 Ramp 'S-E DB' Cst ℄	280+60.52	N=870659.326	E=684301.532	PT									
38100	Exst US60 Ramp 'S-E DB' Cst ℄	108+20.12	N=868775.540	E=685317.906	PC									
144	Exst US60 Ramp 'S-E DB' Cst ℄	110+70.16	N=868746.487	E=685566.252	PI	SIMPLE	Δ=2°30'00"	D=0°30'00"	R=11459.16	L=500.00	T=250.04		Ext=2.73	SEE SUPERELEVATION DIAGRAM
38103	Exst US60 Ramp 'S-E DB' Cst ℄	118+25.77	N=868626.025	E=686312.277	POT									

CURVE DATA TABLE

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ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-1.5

TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768g03.dgn

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

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

DATE-
LOCATION-
REVISIONS-
FINISHED PLANS-
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											
37210	Exst US60 Ramp 'W-N' Cst ℄	94+11.95	N=870024.675	E=684657.880	TS									
	Exst US60 Ramp 'W-N' Cst ℄ Combined Curve	103+69.61	N=869067.249	E=684636.775	PI	TOTAL	Δ=81°07'40"		R+o=958.23	L=1627.13	T=957.66	T2=957.66		
151	Exst US60 Ramp 'W-N' Cst ℄	95+95.48	N=869841.187	E=684653.835	SPI	SPIRAL	Δ=8°15'00"	o=3.30	t=137.41	Ls=275.00	LT=183.53	ST=91.85		SEE SUPERELEVATION DIAGRAM
152	Exst US60 Ramp 'W-N' Cst ℄	102+90.96	N=869150.500	E=684738.485	PI	SIMPLE	Δ=64°37'40"	D=6°00'00"	R=954.93	L=1077.13	T=604.01		Ext=174.99	SEE SUPERELEVATION DIAGRAM
153	Exst US60 Ramp 'W-N' Cst ℄	108+55.93	N=868931.028	E=685398.822	SPI	SPIRAL	Δ=8°15'00"	o=3.30	t=137.41	Ls=275.00	LT=183.53	ST=91.85		SEE SUPERELEVATION DIAGRAM
	Exst US60 Ramp 'W-N' Cst ℄ Combined Curve	123+00.20	N=868676.818	E=686820.930	PI	TOTAL	Δ=12°59'59"		R+o=4584.12	L=1264.97	T=634.78	T2=634.78		
154	Exst US60 Ramp 'W-N' Cst ℄	118+15.42	N=868762.122	E=686343.721	SPI	SPIRAL	Δ=1°24'23"	o=0.46	t=112.50	Ls=225.00	LT=150.00	ST=75.00		SEE SUPERELEVATION DIAGRAM
155	Exst US60 Ramp 'W-N' Cst ℄	122+98.98	N=868665.374	E=686817.511	PI	SIMPLE	Δ=10°11'14"	D=1°15'00"	R=4583.66	L=814.97	T=408.56		Ext=18.17	SEE SUPERELEVATION DIAGRAM
156	Exst US60 Ramp 'W-N' Cst ℄	127+80.40	N=868486.354	E=687266.721	SPI	SPIRAL	Δ=1°24'22"	o=0.46	t=112.50	Ls=225.00	LT=150.00	ST=75.00		SEE SUPERELEVATION DIAGRAM
157	Exst US60 Ramp 'W-N' Cst ℄	139+66.88	N=868020.190	E=688357.802	PI	SIMPLE	Δ=23°05'46"	D=1°56'15"	R=2957.20	L=1192.05	T=604.23		Ext=61.10	SEE SUPERELEVATION DIAGRAM
37227	Exst US60 Ramp 'W-N' Cst ℄	147+37.66	N=868019.661	E=689144.993	POT									
37310	Exst US60 Ramp 'W-S' Cst ℄	5+06.62	N=868478.461	E=687156.716	PC									
	Exst US60 Ramp 'W-S' Cst ℄ Combined Curve	7+88.53	N=868581.423	E=686894.284	PI	TOTAL	Δ=11°10'23"		R+o=2865.12	L=633.66	T=281.91	T2=353.56		
161	Exst US60 Ramp 'W-S' Cst ℄	7+49.03	N=868566.995	E=686931.056	PI	SIMPLE	Δ=9°40'23"	D=2°00'00"	R=2864.79	L=483.66	T=242.41		Ext=10.24	SEE SUPERELEVATION DIAGRAM
162	Exst US60 Ramp 'W-S' Cst ℄	10+40.28	N=868626.535	E=686644.773	SPI	SPIRAL	Δ=1°30'00"	o=0.33	t=75.00	Ls=150.00	LT=100.00	ST=50.00		SEE SUPERELEVATION DIAGRAM
	Exst US60 Ramp 'W-S' Cst ℄ Combined Curve	33+29.95	N=869033.917	E=684391.628	PI	TOTAL	Δ=100°07'54"		R+o=657.35	L=1344.36	T=885.15	T2=885.15		
163	Exst US60 Ramp 'W-S' Cst ℄	25+78.30	N=868900.181	E=685131.293	SPI	SPIRAL	Δ=8°45'00"	o=2.54	t=99.92	Ls=200.00	LT=133.50	ST=66.82		SEE SUPERELEVATION DIAGRAM
164	Exst US60 Ramp 'W-S' Cst ℄	32+20.38	N=868916.982	E=684489.113	PI	SIMPLE	Δ=82°37'54"	D=8°45'00"	R=654.81	L=944.36	T=575.58		Ext=217.01	SEE SUPERELEVATION DIAGRAM
165	Exst US60 Ramp 'W-S' Cst ℄	36+55.98	N=868282.260	E=684390.093	SPI	SPIRAL	Δ=8°45'00"	o=2.54	t=99.92	Ls=200.00	LT=133.50	ST=66.82		SEE SUPERELEVATION DIAGRAM
37321	Exst US60 Ramp 'W-S' Cst ℄	37+89.16	N=868148.764	E=684389.820	ST									
37322	Exst US60 Ramp 'W-S' Cst ℄	37+89.16	N=868148.789	E=684377.820	POT									
166	Exst US60 Ramp 'W-S' Cst ℄	50+21.96	N=866915.990	E=684375.303	PI	SIMPLE	Δ=1°08'45"	D=1°00'00"	R=5729.58	L=114.58	T=57.29		Ext=0.29	SEE SUPERELEVATION DIAGRAM
167	Exst US60 Ramp 'W-S' Cst ℄	61+84.54	N=865753.687	E=684349.682	PI	SIMPLE	Δ=1°08'45"	D=0°45'00"	R=7639.44	L=152.77	T=76.39		Ext=0.38	SEE SUPERELEVATION DIAGRAM
37329	Exst US60 Ramp 'W-S' Cst ℄	65+09.46	N=865428.768	E=684349.018	POT									
37610	Exst US60 Ramp 'N-E' Cst ℄	0+00.00	N=868592.204	E=686219.648	PC									
	Exst US60 Ramp 'N-E' Cst ℄ Combined Curve	14+28.88	N=868764.462	E=684801.188	PI	TOTAL	Δ=89°20'04"			L=2244.72	T=1428.88	T2=1262.31		
171	Exst US60 Ramp 'N-E' Cst ℄	2+70.39	N=868624.800	E=685951.234	PI	SIMPLE	Δ=6°45'07"	D=1°15'00"	R=4583.66	L=540.15	T=270.39		Ext=7.97	SEE SUPERELEVATION DIAGRAM
172	Exst US60 Ramp 'N-E' Cst ℄	6+75.56	N=868626.020	E=685545.437	SPI	SPIRAL	Δ=8°48'00"	o=1.93		Ls=220.00	LT=135.41	ST=84.98		SEE SUPERELEVATION DIAGRAM
173	Exst US60 Ramp 'N-E' Cst ℄	11+45.77	N=868555.424	E=685080.161	PI	SIMPLE	Δ=48°51'52"	D=6°45'00"	R=848.83	L=723.92	T=385.62		Ext=83.49	SEE SUPERELEVATION DIAGRAM
174	Exst US60 Ramp 'N-E' Cst ℄	15+70.25	N=868157.544	E=684826.608	SPI	SPIRAL	Δ=9°30'00"	o=1.16		Ls=200.00	LT=114.26	ST=86.18		SEE SUPERELEVATION DIAGRAM
175	Exst US60 Ramp 'N-E' Cst ℄	19+66.10	N=867792.774	E=684671.715	PI	SIMPLE	Δ=15°25'05"	D=2°45'00"	R=2083.48	L=560.65	T=282.03		Ext=19.00	SEE SUPERELEVATION DIAGRAM
13010	Exst US60 Ramp 'N-E' Cst ℄	22+44.72	N=867513.214	E=684634.465	PT									

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TRACS NO. H8768 01L
___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768g04.dgn

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

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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
38610	Exst US60 Ramp 'N-E DB' Cst ℄	8+55.57	N=868552.478	E=686361.339	POT									
	Exst US60 Ramp 'N-E DB' Cst ℄ Combined Curve	15+06.45	N=868652.226	E=685718.149	PI	TOTAL	Δ=17°26'35"			L=787.26	T=533.57	T2=259.67		
181	Exst US60 Ramp 'N-E DB' Cst ℄	12+50.24	N=868612.961	E=685971.333	PI	SIMPLE	Δ=6°55'32"	D=1°15'00"	R=4583.66	L=554.04	T=277.36		Ext=8.38	SEE SUPERELEVATION DIAGRAM
182	Exst US60 Ramp 'N-E DB' Cst ℄	16+43.82	N=868625.964	E=685577.287	SPI	SPIRAL	Δ=7°36'00"	o=1.44		Ls=190.00	LT=116.90	ST=73.35		SEE SUPERELEVATION DIAGRAM
183	Exst US60 Ramp 'N-E DB' Cst ℄	17+38.54	N=868616.515	E=685482.791	PI	SIMPLE	Δ=2°55'03"	D=6°45'00"	R=848.83	L=43.22	T=21.62		Ext=0.28	SEE SUPERELEVATION DIAGRAM
37614	Exst US60 Ramp 'N-E DB' Cst ℄	17+60.15	N=868613.272	E=685461.419	PT									
38710	Exst US60 Ramp HOV Cst ℄	7143+79.91	N=871944.859	E=684598.182	POT									
38711	Exst US60 Ramp HOV Cst ℄	7152+20.00	N=871105.327	E=684567.673	PI									
191	Exst US60 Ramp HOV Cst ℄	7173+77.05	N=868948.804	E=684520.137	PI	SIMPLE	Δ=81°35'25"	D=5°43'46"	R=1000.00	L=1424.02	T=863.03		Ext=320.92	SEE SUPERELEVATION DIAGRAM
38715	Exst US60 Ramp HOV Cst ℄	7188+95.76	N=868642.890	E=686315.000	POT									
13110	Exst WB C-D Cst ℄	8176+05.94	N=868798.408	E=684612.845	PC									
211	Exst WB C-D Cst ℄	8177+56.15	N=868648.193	E=684612.538	PI	SIMPLE	Δ=7°30'00"	D=2°30'00"	R=2291.83	L=300.00	T=150.21		Ext=4.92	SEE SUPERELEVATION DIAGRAM
212	Exst WB C-D Cst ℄	8183+94.06	N=868015.149	E=684694.565	PI	SIMPLE	Δ=16°07'27"	D=3°45'00"	R=1527.89	L=429.98	T=216.42		Ext=15.25	SEE SUPERELEVATION DIAGRAM
213	Exst WB C-D Cst ℄	8188+25.90	N=867585.497	E=684628.503	PI	SIMPLE	Δ=3°55'57"	D=2°45'00"	R=2083.48	L=143.00	T=71.53		Ext=1.23	SEE SUPERELEVATION DIAGRAM
13118	Exst WB C-D Cst ℄	8188+97.38	N=867514.220	E=684622.507	PT									
13010	Exst WB C-D Cst ℄	8188+97.38	N=867513.214	E=684634.465	PC									
201	Exst WB C-D Cst ℄	8192+52.08	N=867159.761	E=684604.731	PI	SIMPLE	Δ=3°32'45"	D=0°30'00"	R=11459.16	L=709.18	T=354.70		Ext=5.49	SEE SUPERELEVATION DIAGRAM
202	Exst WB C-D Cst ℄	8207+25.75	N=865686.224	E=684572.249	PI	SIMPLE	Δ=1°07'47"	D=0°30'00"	R=11459.16	L=225.93	T=112.97		Ext=0.56	SEE SUPERELEVATION DIAGRAM
203	Exst WB C-D Cst ℄	8214+84.51	N=864927.457	E=684570.486	PI	SIMPLE	Δ=4°00'00"	D=0°30'00"	R=11459.16	L=800.00	T=400.16		Ext=6.98	SEE SUPERELEVATION DIAGRAM
13019	Exst WB C-D Cst ℄	8220+86.28	N=864326.928	E=684527.091	POT									
3423	Exst Broadway Rd Cst ℄	0+98.16	N=875876.416	E=681315.779	POT									
561	Exst Broadway Rd Cst ℄	6+04.10	N=875877.736	E=681821.719	PI	SIMPLE	Δ=22°46'04"	D=4°05'23"	R=1401.01	L=556.73	T=282.08		Ext=28.12	SEE SUPERELEVATION DIAGRAM
562	Exst Broadway Rd Cst ℄	27+60.82	N=876720.351	E=683815.109	PI	SIMPLE	Δ=56°01'15"	D=6°00'00"	R=954.93	L=933.68	T=507.97		Ext=126.70	SEE SUPERELEVATION DIAGRAM
563	Exst Broadway Rd Cst ℄	41+33.06	N=875925.901	E=685033.470	PI	SIMPLE	Δ=32°29'18"	D=4°00'00"	R=1432.39	L=812.21	T=417.35		Ext=59.56	SEE SUPERELEVATION DIAGRAM
3465	Exst Broadway Rd Cst ℄	57+30.09	N=875908.416	E=686652.890	POT									

CURVE DATA TABLE

APPENDIX H

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GEOMETRIC DATA SHEET
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ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-1.7

TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768g05.dgn

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

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	
19610	Exst Broadway Rd Ramp 'F' Cst ℄	0+00.00	N=877289.867	E=680651.562	POT									
571	Exst Broadway Rd Ramp 'F' Cst ℄	6+15.00	N=877290.908	E=681266.565	PI	SIMPLE	Δ=2°30'00"	D=0°50'00"	R=6875.49	L=300.00	T=150.02		Ext=1.64	SEE SUPERELEVATION DIAGRAM
572	Exst Broadway Rd Ramp 'F' Cst ℄	11+74.83	N=877267.434	E=681825.949	PI	SIMPLE	Δ=23°00'04"	D=5°30'00"	R=1041.74	L=418.20	T=211.96		Ext=21.34	SEE SUPERELEVATION DIAGRAM
	Exst Broadway Rd Ramp 'F' Cst ℄ Combined Curve	20+68.53	N=877583.855	E=682667.856	PI	TOTAL	Δ=77°23'56"		R+o=482.48	L=884.99	T=506.28	T2=506.28		
573	Exst Broadway Rd Ramp 'F' Cst ℄	17+22.78	N=877462.218	E=682344.212	SPI	SPIRAL	Δ=14°24'00"	o=5.02	t=119.75	Ls=240.00	LT=160.53	ST=80.48		SEE SUPERELEVATION DIAGRAM
574	Exst Broadway Rd Ramp 'F' Cst ℄	20+17.83	N=877494.183	E=682638.544	PI	SIMPLE	Δ=48°35'56"	D=12°00'00"	R=477.46	L=404.99	T=215.58		Ext=46.41	SEE SUPERELEVATION DIAGRAM
575	Exst Broadway Rd Ramp 'F' Cst ℄	22+87.72	N=877294.544	E=682857.171	SPI	SPIRAL	Δ=14°24'00"	o=5.02	t=119.75	Ls=240.00	LT=160.53	ST=80.48		SEE SUPERELEVATION DIAGRAM
	Exst Broadway Rd Ramp 'F' Cst ℄ Combined Curve	29+90.56	N=876705.585	E=683242.564	PI	TOTAL	Δ=52°00'00"		R+o=482.48	L=673.33	T=355.07	T2=355.07		
576	Exst Broadway Rd Ramp 'F' Cst ℄	27+96.02	N=876868.368	E=683136.045	SPI	SPIRAL	Δ=14°24'00"	o=5.02	t=119.75	Ls=240.00	LT=160.53	ST=80.48		SEE SUPERELEVATION DIAGRAM
577	Exst Broadway Rd Ramp 'F' Cst ℄	29+73.50	N=876748.007	E=683267.854	PI	SIMPLE	Δ=23°12'00"	D=12°00'00"	R=477.46	L=193.33	T=98.01		Ext=9.96	SEE SUPERELEVATION DIAGRAM
578	Exst Broadway Rd Ramp 'F' Cst ℄	31+49.30	N=876689.304	E=683436.418	SPI	SPIRAL	Δ=14°24'00"	o=5.02	t=119.75	Ls=240.00	LT=160.53	ST=80.48		SEE SUPERELEVATION DIAGRAM
579	Exst Broadway Rd Ramp 'F' Cst ℄	34+93.81	N=876660.388	E=683780.724	PI	SIMPLE	Δ=6°00'00"	D=6°00'00"	R=954.93	L=100.00	T=50.05		Ext=1.31	SEE SUPERELEVATION DIAGRAM
19634	Exst Broadway Rd Ramp 'F' Cst ℄	36+23.76	N=876636.018	E=683908.466	POT									
19325	Exst Broadway Rd Ramp 'J' Cst ℄	0+00.00	N=876596.775	E=681316.745	POT									
581	Exst Broadway Rd Ramp 'J' Cst ℄	11+68.61	N=876635.993	E=682484.698	PI	SIMPLE	Δ=58°00'33"	D=8°00'00"	R=716.20	L=725.11	T=397.07		Ext=102.71	SEE SUPERELEVATION DIAGRAM
19700	Exst Broadway Rd Ramp 'J' Cst ℄	15+48.12	N=876263.766	E=682734.957	POT									
19810	Exst Broadway Rd Ramp 'K' Cst ℄	0+00.00	N=876213.816	E=682616.790	POT									
	Exst Broadway Rd Ramp 'K' Cst ℄ Combined Curve	13+29.56	N=875878.988	E=683903.503	PI	TOTAL	Δ=56°53'42"			L=2139.11	T=869.24	T2=1462.62		
601	Exst Broadway Rd Ramp 'K' Cst ℄	6+74.19	N=876044.033	E=683269.250	PI	SIMPLE	Δ=25°14'49"	D=6°00'00"	R=954.93	L=420.78	T=213.86		Ext=23.66	SEE SUPERELEVATION DIAGRAM
602	Exst Broadway Rd Ramp 'K' Cst ℄	14+52.85	N=875540.812	E=683872.529	PI	SIMPLE	Δ=22°34'23"	D=2°00'00"	R=2864.79	L=1128.66	T=571.74		Ext=56.50	SEE SUPERELEVATION DIAGRAM
603	Exst Broadway Rd Ramp 'K' Cst ℄	23+05.22	N=874772.255	E=684274.216	PI	SIMPLE	Δ=9°04'30"	D=1°32'20"	R=3722.95	L=589.67	T=295.45		Ext=11.71	SEE SUPERELEVATION DIAGRAM
19817	Exst Broadway Rd Ramp 'K' Cst ℄	25+99.44	N=874492.100	E=684368.058	PT									
19910	Exst Broadway Rd Ramp 'L' Cst ℄	10+00.00	N=876552.782	E=684009.167	POT									
591	Exst Broadway Rd Ramp 'L' Cst ℄	16+50.70	N=875902.088	E=684007.679	PI	SIMPLE	Δ=24°31'37"	D=5°00'00"	R=1145.92	L=490.54	T=249.08		Ext=26.76	SEE SUPERELEVATION DIAGRAM
592	Exst Broadway Rd Ramp 'L' Cst ℄	28+26.99	N=874823.870	E=684496.685	PI	SIMPLE	Δ=11°38'45"	D=1°30'00"	R=3819.72	L=776.39	T=389.54		Ext=19.81	SEE SUPERELEVATION DIAGRAM
19906	Exst Broadway Rd Ramp 'L' Cst ℄	32+13.84	N=874443.939	E=684582.655	PT									
20600	Exst Southern Ave Cst ℄	13+00.00	N=870600.522	E=685268.446	POT									
3434	Exst Southern Ave Cst ℄	25+99.44	N=870592.910	E=683969.028	PI									
20601	Exst Southern Ave Cst ℄	28+49.44	N=870591.465	E=683719.032	POT									

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8/4/2016 U:\110-02(Spot)\Prod\civ\h8768g06.dgn

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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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
20010	Exst Baseline Rd Cst ℄	8+24.73	N=865280.181	E=683276.423	POT									
20011	Exst Baseline Rd Cst ℄	11+24.82	N=865289.001	E=683576.377	PI									
20012	Exst Baseline Rd Cst ℄	14+50.34	N=865290.433	E=683901.894	PI									
20014	Exst Baseline Rd Cst ℄	31+44.80	N=865297.895	E=685596.340	PI									
20015	Exst Baseline Rd Cst ℄	34+44.83	N=865291.716	E=685896.308	POT									
37510	Exst EB Ramp 'T-4' Cst ℄	0+00.00	N=870492.347	E=684500.148	POT									
	Exst EB Ramp 'T-4' Cst ℄ Combined Curve	7+87.72	N=869707.947	E=684427.895	PI	TOTAL	Δ=16°05'50"		R+o=1432.96	L=542.43	T=272.62	T2=272.62		
611	Exst EB Ramp 'T-4' Cst ℄	6+08.44	N=869886.471	E=684444.340	SPI	SPIRAL	Δ=2°48'00"	o=0.57	t=69.99	Ls=140.00	LT=93.35	ST=46.68		SEE SUPERELEVATION DIAGRAM
612	Exst EB Ramp 'T-4' Cst ℄	7+86.68	N=869709.972	E=684419.337	PI	SIMPLE	Δ=10°29'50"	D=4°00'00"	R=1432.39	L=262.43	T=131.58		Ext=6.03	SEE SUPERELEVATION DIAGRAM
613	Exst EB Ramp 'T-4' Cst ℄	9+64.20	N=869540.982	E=684362.597	SPI	SPIRAL	Δ=2°48'00"	o=0.57	t=69.99	Ls=140.00	LT=93.35	ST=46.68		SEE SUPERELEVATION DIAGRAM
	Exst EB Ramp 'T-4' Cst ℄ Combined Curve	17+14.71	N=868842.005	E=684089.233	PI	TOTAL	Δ=37°35'39"		R+o=1146.63	L=891.88	T=460.27	T2=460.27		
614	Exst EB Ramp 'T-4' Cst ℄	13+47.80	N=869183.719	E=684222.875	SPI	SPIRAL	Δ=3°30'00"	o=0.71	t=69.99	Ls=140.00	LT=93.35	ST=46.68		SEE SUPERELEVATION DIAGRAM
615	Exst EB Ramp 'T-4' Cst ℄	17+07.87	N=868840.966	E=684112.433	PI	SIMPLE	Δ=30°35'39"	D=5°00'00"	R=1145.92	L=611.88	T=313.42		Ext=42.09	SEE SUPERELEVATION DIAGRAM
616	Exst EB Ramp 'T-4' Cst ℄	20+53.01	N=868489.717	E=684191.810	SPI	SPIRAL	Δ=3°30'00"	o=0.71	t=69.99	Ls=140.00	LT=93.35	ST=46.68		SEE SUPERELEVATION DIAGRAM
	Exst EB Ramp 'T-4' Cst ℄ Combined Curve	26+73.55	N=867893.883	E=684365.300	PI	TOTAL	Δ=16°21'04"		R+o=1910.12	L=655.04	T=329.42	T2=329.42		
617	Exst EB Ramp 'T-4' Cst ℄	24+17.47	N=868139.755	E=684293.709	SPI	SPIRAL	Δ=1°39'00"	o=0.26	t=55.00	Ls=110.00	LT=73.34	ST=36.67		SEE SUPERELEVATION DIAGRAM
618	Exst EB Ramp 'T-4' Cst ℄	26+72.60	N=867892.842	E=684357.951	PI	SIMPLE	Δ=13°03'04"	D=3°00'00"	R=1909.86	L=435.04	T=218.46		Ext=12.45	SEE SUPERELEVATION DIAGRAM
619	Exst EB Ramp 'T-4' Cst ℄	29+25.84	N=867637.801	E=684364.777	SPI	SPIRAL	Δ=1°39'00"	o=0.26	t=55.00	Ls=110.00	LT=73.34	ST=36.67		SEE SUPERELEVATION DIAGRAM
37531	Exst EB Ramp 'T-4' Cst ℄	29+99.17	N=867564.464	E=684364.627	ST									
38510	Exst EB Ramp 'T4-DB' Cst ℄	99+86.46	N=870509.898	E=684476.529	PC									
621	Exst EB Ramp 'T4-DB' Cst ℄	101+29.38	N=870367.018	E=684473.380	PI	SIMPLE	Δ=4°00'00"	D=1°24'00"	R=4092.56	L=285.71	T=142.92		Ext=2.49	SEE SUPERELEVATION DIAGRAM
	Exst EB Ramp 'T4-DB' Cst ℄ Combined Curve	108+42.26	N=869657.026	E=684407.981	PI	TOTAL	Δ=16°05'50"		R+o=1348.79	L=523.76	T=263.22	T2=263.22		
622	Exst EB Ramp 'T4-DB' Cst ℄	106+75.72	N=869822.863	E=684423.256	SPI	SPIRAL	Δ=3°04'53"	o=0.65	t=72.49	Ls=145.00	LT=96.68	ST=48.35		SEE SUPERELEVATION DIAGRAM
623	Exst EB Ramp 'T4-DB' Cst ℄	108+41.21	N=869659.095	E=684399.237	PI	SIMPLE	Δ=9°56'05"	D=4°15'00"	R=1348.14	L=233.76	T=117.17		Ext=5.08	SEE SUPERELEVATION DIAGRAM
624	Exst EB Ramp 'T4-DB' Cst ℄	110+06.15	N=869501.927	E=684347.323	SPI	SPIRAL	Δ=3°04'52"	o=0.65	t=72.49	Ls=145.00	LT=96.68	ST=48.35		SEE SUPERELEVATION DIAGRAM
38519	Exst EB Ramp 'T4-DB' Cst ℄	111+02.80	N=869411.887	E=684312.109	ST									
20110	Exst Baseline Rd Ramp 'A' Cst ℄	0+00.00	N=865293.592	E=684619.349	POT									
651	Exst Baseline Rd Ramp 'A' Cst ℄	5+88.22	N=864705.380	E=684621.947	PI	SIMPLE	Δ=4°23'10"	D=0°45'00"	R=7639.44	L=584.83	T=292.56		Ext=5.60	SEE SUPERELEVATION DIAGRAM
20114	Exst Baseline Rd Ramp 'A' Cst ℄	19+35.15	N=863361.671	E=684524.849	POT									
20210	Exst Baseline Rd Ramp 'B' Cst ℄	0+00.00	N=865291.937	E=684243.353	POT									
661	Exst Baseline Rd Ramp 'B' Cst ℄	3+66.39	N=864925.552	E=684244.971	PI	SIMPLE	Δ=4°39'11"	D=2°00'00"	R=2864.79	L=232.65	T=116.39		Ext=2.36	SEE SUPERELEVATION DIAGRAM
662	Exst Baseline Rd Ramp 'B' Cst ℄	16+81.31	N=863615.322	E=684357.437	PI	SIMPLE	Δ=5°02'21"	D=1°30'00"	R=3819.72	L=335.95	T=168.08		Ext=3.70	SEE SUPERELEVATION DIAGRAM
20216	Exst Baseline Rd Ramp 'B' Cst ℄	18+49.17	N=863447.241	E=684357.047	PT									

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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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20310	Exst Baseline Rd Ramp 'C' Cst ℄	0+00.00	N=867044.014	E=684363.564	PC									
641	Exst Baseline Rd Ramp 'C' Cst ℄	3+73.97	N=866670.047	E=684362.800	PI	SIMPLE	Δ=7°28'08"	D=1°00'00"	R=5729.58	L=746.88	T=373.97		Ext=12.19	SEE SUPERELEVATION DIAGRAM
642	Exst Baseline Rd Ramp 'C' Cst ℄	12+05.34	N=865844.899	E=684252.910	PI	SIMPLE	Δ=7°50'20"	D=1°15'00"	R=4583.66	L=627.11	T=314.04		Ext=10.75	SEE SUPERELEVATION DIAGRAM
20316	Exst Baseline Rd Ramp 'C' Cst ℄	17+57.28	N=865291.990	E=684255.353	POT									
20410	Exst Baseline Rd Ramp 'D' Cst ℄	0+00.00	N=866411.448	E=684604.239	PC									
631	Exst Baseline Rd Ramp 'D' Cst ℄	1+75.05	N=866236.394	E=684603.882	PI	SIMPLE	Δ=3°30'00"	D=1°00'00"	R=5729.58	L=350.00	T=175.05		Ext=2.67	SEE SUPERELEVATION DIAGRAM
632	Exst Baseline Rd Ramp 'D' Cst ℄	8+52.97	N=865559.552	E=684643.892	PI	SIMPLE	Δ=3°30'00"	D=1°30'00"	R=3819.72	L=233.33	T=116.70		Ext=1.78	SEE SUPERELEVATION DIAGRAM
20416	Exst Baseline Rd Ramp 'D' Cst ℄	11+18.75	N=865293.698	E=684643.349	POT									
20515	Exst Guadalupe Rd Cst ℄	8+14.18	N=860216.831	E=683550.454	POT									
671	Exst Guadalupe Rd Cst ℄	9+30.19	N=860139.829	E=683637.224	PI	SIMPLE	Δ=33°17'23"	D=16°22'13"	R=350.00	L=203.36	T=104.64		Ext=15.31	SEE SUPERELEVATION DIAGRAM
672	Exst Guadalupe Rd Cst ℄	19+38.12	N=859993.530	E=684640.468	PI	SIMPLE	Δ=8°46'28"	D=2°00'00"	R=2864.79	L=438.72	T=219.79		Ext=8.42	SEE SUPERELEVATION DIAGRAM
20528	Exst Guadalupe Rd Cst ℄	21+57.05	N=859995.362	E=684860.249	PT									
21010	Exst Elliot Rd Cst ℄	8+25.51	N=854645.009	E=682073.918	PC									
681	Exst Elliot Rd Cst ℄	9+85.62	N=854646.708	E=682234.025	PI	SIMPLE	Δ=2°24'05"	D=0°45'00"	R=7639.44	L=320.19	T=160.12		Ext=1.68	SEE SUPERELEVATION DIAGRAM
682	Exst Elliot Rd Cst ℄	15+10.64	N=854674.272	E=682758.362	PI	SIMPLE	Δ=2°24'05"	D=0°45'00"	R=7639.44	L=320.19	T=160.12		Ext=1.68	SEE SUPERELEVATION DIAGRAM
683	Exst Elliot Rd Cst ℄	23+11.86	N=854682.772	E=683559.587	PI	SIMPLE	Δ=2°22'18"	D=0°45'00"	R=7639.44	L=316.22	T=158.13		Ext=1.64	SEE SUPERELEVATION DIAGRAM
684	Exst Elliot Rd Cst ℄	28+43.45	N=854666.409	E=684090.972	PI	SIMPLE	Δ=2°22'18"	D=0°45'00"	R=7639.44	L=316.22	T=158.13		Ext=1.64	SEE SUPERELEVATION DIAGRAM
21042	Exst Elliot Rd Cst ℄	30+01.54	N=854668.086	E=684249.097	PT									
21120	Exst Elliot Rd Ramp 'A' Cst ℄	0+00.00	N=855719.990	E=683468.002	PC									
691	Exst Elliot Rd Ramp 'A' Cst ℄	2+39.12	N=855482.699	E=683438.468	PI	SIMPLE	Δ=14°16'23"	D=3°00'00"	R=1909.86	L=475.77	T=239.12		Ext=14.91	SEE SUPERELEVATION DIAGRAM
21101	Exst Elliot Rd Ramp 'A' Cst ℄	10+44.36	N=854681.313	E=683539.400	POT									
21201	Exst Elliot Rd Ramp 'B' Cst ℄	0+00.00	N=854681.186	E=683554.469	POT									
711	Exst Elliot Rd Ramp 'B' Cst ℄	9+96.59	N=853722.910	E=683280.789	PI	SIMPLE	Δ=10°37'52"	D=4°00'00"	R=1432.39	L=265.78	T=133.27		Ext=6.19	SEE SUPERELEVATION DIAGRAM
712	Exst Elliot Rd Ramp 'B' Cst ℄	16+17.02	N=853104.381	E=683223.322	PI	SIMPLE	Δ=4°11'12"	D=1°00'00"	R=5729.58	L=418.67	T=209.43		Ext=3.83	SEE SUPERELEVATION DIAGRAM
21215	Exst Elliot Rd Ramp 'B' Cst ℄	18+26.26	N=852894.991	E=683219.224	PT									
21320	Exst Elliot Rd Ramp 'C' Cst ℄	0+00.00	N=856540.803	E=683440.190	PC									
701	Exst Elliot Rd Ramp 'C' Cst ℄	6+52.13	N=855899.098	E=683324.065	PI	SIMPLE	Δ=6°30'51"	D=0°30'00"	R=11459.16	L=1302.85	T=652.13		Ext=18.54	SEE SUPERELEVATION DIAGRAM
21301	Exst Elliot Rd Ramp 'C' Cst ℄	19+27.78	N=854676.364	E=682955.561	POT									

CURVE DATA TABLE

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ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-1.10

TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768g08.dgn

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

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	
21401	Exst Elliot Rd Ramp 'D' Cst ℄	0+00.00	N=854676.491	E=682967.560	POT									
721	Exst Elliot Rd Ramp 'D' Cst ℄	2+41.57	N=854434.939	E=682970.123	PI	SIMPLE	Δ=6°38'52"	D=2°30'00"	R=2291.83	L=265.91	T=133.11		Ext=3.86	SEE SUPERELEVATION DIAGRAM
722	Exst Elliot Rd Ramp 'D' Cst ℄	9+68.36	N=853713.666	E=683061.953	PI	SIMPLE	Δ=4°41'26"	D=2°30'00"	R=2291.83	L=187.62	T=93.86		Ext=1.92	SEE SUPERELEVATION DIAGRAM
723	Exst Elliot Rd Ramp 'D' Cst ℄	13+48.10	N=853334.201	E=683078.953	PI	SIMPLE	Δ=4°14'41"	D=1°00'00"	R=5729.58	L=424.47	T=212.33		Ext=3.93	SEE SUPERELEVATION DIAGRAM
21421	Exst Elliot Rd Ramp 'D' Cst ℄	15+60.24	N=853121.959	E=683072.729	PT									
22031	Exst Warner Rd Cst ℄	6+89.99	N=849274.798	E=681850.841	PC									
	Exst Warner Rd Cst ℄ Combined Curve	9+30.93	N=849370.693	E=682071.877	PI	TOTAL	Δ=28°29'53"			L=569.25	T=240.94	T2=339.08		
731	Exst Warner Rd Cst ℄	8+72.48	N=849347.430	E=682018.256	PI	SIMPLE	Δ=22°55'29"	D=6°21'58"	R=900.00	L=360.10	T=182.49		Ext=18.32	SEE SUPERELEVATION DIAGRAM
732	Exst Warner Rd Cst ℄	11+54.75	N=849350.078	E=682305.394	PI	SIMPLE	Δ=5°34'24"	D=2°39'53"	R=2150.16	L=209.15	T=104.66		Ext=2.55	SEE SUPERELEVATION DIAGRAM
733	Exst Warner Rd Cst ℄	15+03.54	N=849319.393	E=682652.993	PI	SIMPLE	Δ=5°34'24"	D=1°08'30"	R=5018.85	L=488.20	T=244.29		Ext=5.94	SEE SUPERELEVATION DIAGRAM
734	Exst Warner Rd Cst ℄	24+73.74	N=849328.345	E=683623.540	PI	SIMPLE	Δ=4°24'45"	D=1°00'00"	R=5729.58	L=441.26	T=220.74		Ext=4.25	SEE SUPERELEVATION DIAGRAM
735	Exst Warner Rd Cst ℄	29+14.77	N=849366.350	E=684063.154	PI	SIMPLE	Δ=4°24'29"	D=1°00'00"	R=5729.58	L=440.81	T=220.52		Ext=4.24	SEE SUPERELEVATION DIAGRAM
22025	Exst Warner Rd Cst ℄	31+35.07	N=849368.401	E=684283.661	PT									
22101	Exst Warner Rd Ramp 'A' Cst ℄	0+00.00	N=849321.808	E=682914.832	POT									
771	Exst Warner Rd Ramp 'A' Cst ℄	3+62.01	N=848965.977	E=682981.422	PI	SIMPLE	Δ=4°52'09"	D=1°30'00"	R=3819.72	L=324.61	T=162.40		Ext=3.45	SEE SUPERELEVATION DIAGRAM
772	Exst Warner Rd Ramp 'A' Cst ℄	8+89.39	N=848441.034	E=683034.100	PI	SIMPLE	Δ=3°21'11"	D=0°45'00"	R=7639.44	L=447.07	T=223.60		Ext=3.27	SEE SUPERELEVATION DIAGRAM
773	Exst Warner Rd Ramp 'A' Cst ℄	16+83.29	N=847647.692	E=683067.038	PI	SIMPLE	Δ=2°36'33"	D=1°00'00"	R=5729.58	L=260.93	T=130.49		Ext=1.49	SEE SUPERELEVATION DIAGRAM
22119	Exst Warner Rd Ramp 'A' Cst ℄	18+13.73	N=847517.207	E=683066.510	PT									
22301	Exst Warner Rd Ramp 'B' Cst ℄	0+00.00	N=849326.097	E=683379.813	POT									
761	Exst Warner Rd Ramp 'B' Cst ℄	7+36.41	N=848597.210	E=683274.797	PI	SIMPLE	Δ=3°20'40"	D=0°45'00"	R=7639.44	L=445.93	T=223.03		Ext=3.25	SEE SUPERELEVATION DIAGRAM
762	Exst Warner Rd Ramp 'B' Cst ℄	13+80.51	N=847955.297	E=683220.284	PI	SIMPLE	Δ=4°37'20"	D=1°00'00"	R=5729.58	L=462.22	T=231.24		Ext=4.66	SEE SUPERELEVATION DIAGRAM
22216	Exst Warner Rd Ramp 'B' Cst ℄	16+11.50	N=847724.062	E=683219.348	PT									
22316	Exst Warner Rd Ramp 'C' Cst ℄	0+00.00	N=851327.917	E=683218.780	PC									
741	Exst Warner Rd Ramp 'C' Cst ℄	1+48.80	N=851179.117	E=683219.323	PI	SIMPLE	Δ=2°58'31"	D=1°00'00"	R=5729.58	L=297.53	T=148.80		Ext=1.93	SEE SUPERELEVATION DIAGRAM
742	Exst Warner Rd Ramp 'C' Cst ℄	8+76.82	N=850452.157	E=683259.764	PI	SIMPLE	Δ=2°54'04"	D=0°45'00"	R=7639.44	L=386.81	T=193.45		Ext=2.45	SEE SUPERELEVATION DIAGRAM
22301	Exst Warner Rd Ramp 'C' Cst ℄	20+09.18	N=849326.097	E=683379.813	POT									
22415	Exst Warner Rd Ramp 'D' Cst ℄	0+00.00	N=850923.534	E=683068.253	PC									
751	Exst Warner Rd Ramp 'D' Cst ℄	2+00.08	N=850723.454	E=683068.982	PI	SIMPLE	Δ=4°00'00"	D=1°00'00"	R=5729.58	L=400.00	T=200.08		Ext=3.49	SEE SUPERELEVATION DIAGRAM
752	Exst Warner Rd Ramp 'D' Cst ℄	12+06.28	N=849719.293	E=683002.441	PI	SIMPLE	Δ=6°58'55"	D=2°00'00"	R=2864.79	L=349.09	T=174.76		Ext=5.33	SEE SUPERELEVATION DIAGRAM
22401	Exst Warner Rd Ramp 'D' Cst ℄	16+10.35	N=849321.919	E=682926.832	POT									

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ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-1.11

TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768g09.dgn

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

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

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	
23001	Exst Ray Rd Cst ℄	0+00.00	N=844041.155	E=681128.561	POT									
4028	Exst Ray Rd Cst ℄	21+49.94	N=844057.282	E=683278.438	PI									
23002	Exst Ray Rd Cst ℄	40+00.07	N=844071.191	E=685128.516	POT									
23114	Exst Ray Rd Ramp 'A' Cst ℄	0+00.00	N=845469.408	E=683210.224	PC									
781	Exst Ray Rd Ramp 'A' Cst ℄	2+61.50	N=845207.914	E=683209.166	PI	SIMPLE	Δ=5°13'35"	D=1°00'00"	R=5729.58	L=522.63	T=261.50		Ext=5.96	SEE SUPERELEVATION DIAGRAM
782	Exst Ray Rd Ramp 'A' Cst ℄	6+36.70	N=844833.774	E=683241.862	PI	SIMPLE	Δ=8°32'22"	D=3°45'00"	R=1527.89	L=227.72	T=114.07		Ext=4.25	SEE SUPERELEVATION DIAGRAM
23101	Exst Ray Rd Ramp 'A' Cst ℄	14+33.79	N=844058.407	E=683428.496	POT									
23101	Exst Ray Rd Ramp 'B' Cst ℄	0+00.00	N=844058.407	E=683428.496	POT									
801	Exst Ray Rd Ramp 'B' Cst ℄	10+97.51	N=842980.894	E=683219.946	PI	SIMPLE	Δ=11°08'15"	D=0°45'00"	R=7639.44	L=1484.98	T=744.84		Ext=36.22	SEE SUPERELEVATION DIAGRAM
23304	Exst Ray Rd Ramp 'B' Cst ℄	18+37.65	N=842236.059	E=683222.330	PT									
23217	Exst Ray Rd Ramp 'C' Cst ℄	0+00.00	N=846234.471	E=683061.319	PC									
791	Exst Ray Rd Ramp 'C' Cst ℄	2+00.08	N=846034.392	E=683060.509	PI	SIMPLE	Δ=4°00'00"	D=1°00'00"	R=5729.58	L=400.00	T=200.08		Ext=3.49	SEE SUPERELEVATION DIAGRAM
792	Exst Ray Rd Ramp 'C' Cst ℄	8+51.56	N=845384.524	E=683012.423	PI	SIMPLE	Δ=14°04'37"	D=4°00'00"	R=1432.39	L=351.92	T=176.85		Ext=10.88	SEE SUPERELEVATION DIAGRAM
793	Exst Ray Rd Ramp 'C' Cst ℄	16+50.70	N=844624.149	E=682760.825	PI	SIMPLE	Δ=18°04'37"	D=6°00'00"	R=954.93	L=301.28	T=151.90		Ext=12.01	SEE SUPERELEVATION DIAGRAM
23201	Exst Ray Rd Ramp 'C' Cst ℄	22+18.95	N=844053.382	E=682758.515	POT									
23401	Exst Ray Rd Ramp 'D' Cst ℄	0+00.00	N=844053.276	E=682744.515	POT									
811	Exst Ray Rd Ramp 'D' Cst ℄	10+90.29	N=843001.380	E=683031.288	PI	SIMPLE	Δ=13°55'14"	D=4°00'00"	R=1432.39	L=348.01	T=174.87		Ext=10.63	SEE SUPERELEVATION DIAGRAM
23420	Exst Ray Rd Ramp 'D' Cst ℄	14+43.23	N=842646.815	E=683039.514	POT									
24010	Exst Chandler Blvd Cst ℄	5+80.97	N=838737.702	E=684563.947	PC									
821	Exst Chandler Blvd Cst ℄	8+38.16	N=838739.334	E=684306.765	PI	SIMPLE	Δ=2°34'17"	D=0°30'00"	R=11459.16	L=514.29	T=257.19		Ext=2.89	SEE SUPERELEVATION DIAGRAM
822	Exst Chandler Blvd Cst ℄	14+07.19	N=838768.476	E=683738.398	PI	SIMPLE	Δ=3°07'07"	D=0°30'00"	R=11459.16	L=623.70	T=311.93		Ext=4.24	SEE SUPERELEVATION DIAGRAM
823	Exst Chandler Blvd Cst ℄	25+84.78	N=838764.707	E=682560.660	PI	SIMPLE	Δ=3°07'37"	D=0°30'00"	R=11459.16	L=625.40	T=312.78		Ext=4.27	SEE SUPERELEVATION DIAGRAM
824	Exst Chandler Blvd Cst ℄	30+97.16	N=838735.111	E=682048.973	PI	SIMPLE	Δ=2°59'45"	D=0°45'00"	R=7639.44	L=399.44	T=199.77		Ext=2.61	SEE SUPERELEVATION DIAGRAM
24019	Exst Chandler Blvd Cst ℄	32+96.84	N=838734.014	E=681849.210	PT									
24120	Exst Chandler Blvd Ramp 'A' Cst ℄	10+00.00	N=841678.277	E=683224.114	POT									
831	Exst Chandler Blvd Ramp 'A' Cst ℄	31+95.73	N=839483.142	E=683275.045	PI	SIMPLE	Δ=10°37'04"	D=1°00'00"	R=5729.58	L=1061.78	T=532.42		Ext=24.68	SEE SUPERELEVATION DIAGRAM
24101	Exst Chandler Blvd Ramp 'A' Cst ℄	39+24.19	N=838767.478	E=683426.472	POT									
24220	Exst Chandler Blvd Ramp 'B' Cst ℄	10+00.00	N=840727.719	E=683051.155	POT									
841	Exst Chandler Blvd Ramp 'B' Cst ℄	21+46.62	N=839583.637	E=682974.832	PI	SIMPLE	Δ=2°30'00"	D=0°30'00"	R=11459.16	L=500.00	T=250.04		Ext=2.73	SEE SUPERELEVATION DIAGRAM
24201	Exst Chandler Blvd Ramp 'B' Cst ℄	29+69.44	N=838765.743	E=682884.295	POT									

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LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-1.12

TRACS NO. H8768 01L

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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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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	
39001	Exst Priest Dr Cst ℄	13+55.38	N=867950.411	E=686608.338	POT									
39002	Exst Priest Dr Cst ℄	40+13.96	N=870608.742	E=686644.796	POT									
39110	Exst Priest Dr Ramp 'C' Cst ℄	0+00.00	N=868847.139	E=686620.636	POT									
1021	Exst Priest Dr Ramp 'C' Cst ℄	5+14.60	N=868689.980	E=687110.655	PI	SIMPLE	Δ=9°00'36"	D=2°30'00"	R=2291.83	L=360.39	T=180.57		Ext=7.10	SEE SUPERELEVATION DIAGRAM
1022	Exst Priest Dr Ramp 'C' Cst ℄	16+50.56	N=868177.609	E=688125.329	PI	SIMPLE	Δ=9°45'59"	D=2°00'00"	R=2864.79	L=488.32	T=244.75		Ext=10.44	SEE SUPERELEVATION DIAGRAM
1023	Exst Priest Dr Ramp 'C' Cst ℄	20+19.34	N=868069.285	E=688479.078	PI	SIMPLE	Δ=9°59'29"	D=4°00'00"	R=1432.40	L=249.78	T=125.21		Ext=5.46	SEE SUPERELEVATION DIAGRAM
39119	Exst Priest Dr Ramp 'C' Cst ℄	21+43.91	N=868053.951	E=688603.344	PT									
39210	Exst Priest Dr Ramp 'D' Cst ℄	0+00.00	N=868387.149	E=686614.327	POT									
39212	Exst Priest Dr Ramp 'D' Cst ℄	15+47.00	N=867981.125	E=688107.091	POT									
39310	Exst Priest Dr Ramp 'D-DB' Cst ℄	5+34.15	N=868246.956	E=687129.752	POT									
39311	Exst Priest Dr Ramp 'D-DB' Cst ℄	15+36.54	N=867976.767	E=688095.040	POT									

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LOCATION: SR 143 - SR 202L, Santan/South Mountain

DWG NO. C-1.13

TRACS NO. H8768 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
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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	
19419	EB CD-1 Cst ℄	8094+26.25	N=876315.988	E=683061.912	POC									
2051	EB CD-1 Cst ℄	8097+34.34	N=876128.413	E=683306.318	PI	SIMPLE	Δ=11°30'52"	D=1°52'30"	R=3055.77	L=614.10	T=308.09		Ext=15.49	SEE SUPERELEVATION DIAGRAM
2052	EB CD-1 Cst ℄	8113+08.87	N=874938.176	E=684340.254	PI	SIMPLE	Δ=34°20'08"	D=1°33'12"	R=3688.72	L=2210.53	T=1139.58		Ext=172.02	SEE SUPERELEVATION DIAGRAM
2053	EB CD-1 Cst ℄	8125+91.03	N=873596.472	E=684496.555	PI	SIMPLE	Δ=7°54'27"	D=1°52'30"	R=3055.77	L=421.73	T=211.20		Ext=7.29	SEE SUPERELEVATION DIAGRAM
2054	EB CD-1 Cst ℄	8134+56.98	N=872730.061	E=684477.457	PI	SIMPLE	Δ=3°12'41"	D=0°45'00"	R=7639.44	L=428.20	T=214.16		Ext=3.00	SEE SUPERELEVATION DIAGRAM
2055	EB CD-1 Cst ℄	8139+57.19	N=872230.035	E=684494.470	PI	SIMPLE	Δ=4°01'48"	D=1°00'08"	R=5717.58	L=402.15	T=201.16		Ext=3.54	SEE SUPERELEVATION DIAGRAM
41322	EB CD-1 Cst ℄	8141+58.18	N=872029.009	E=684487.165	POC									
41411	EB CD-2 Cst ℄	8133+83.97	N=872944.430	E=684470.179	POT									
2061	EB CD-2 Cst ℄	8140+31.81	N=872296.746	E=684455.902	PI	SIMPLE	Δ=0°39'03"	D=0°45'00"	R=7639.44	L=86.78	T=43.39		Ext=0.12	SEE SUPERELEVATION DIAGRAM
2062	EB CD-2 Cst ℄	8144+23.54	N=871905.038	E=684451.719	PI	SIMPLE	Δ=5°27'38"	D=1°00'30"	R=5681.58	L=541.49	T=270.95		Ext=6.46	SEE SUPERELEVATION DIAGRAM
2063	EB CD-2 Cst ℄	8154+83.84	N=870850.281	E=684339.508	PI	SIMPLE	Δ=23°55'40"	D=3°00'00"	R=1909.86	L=797.59	T=404.69		Ext=42.41	SEE SUPERELEVATION DIAGRAM
	EB CD-2 Cst ℄ Combined Curve	8167+02.44	N=869784.724	E=683724.301	PI	TOTAL	Δ=62°19'28"			L=1339.52	T=735.36	T2=735.36		SEE SUPERELEVATION DIAGRAM
2064	EB CD-2 Cst ℄	8160+87.13	N=870317.598	E=684031.960	SPI	SPIRAL	Δ=4°50'15"	o=1.27	t=89.98	Ls=180.00	LT=120.04	ST=60.04		SEE SUPERELEVATION DIAGRAM
2065	EB CD-2 Cst ℄	8166+74.49	N=869785.898	E=683782.182	PI	SIMPLE	Δ=52°38'58"	D=5°22'30"	R=1065.97	L=979.52	T=527.41		Ext=123.34	SEE SUPERELEVATION DIAGRAM
2066	EB CD-2 Cst ℄	8171+86.65	N=869264.763	E=684053.312	SPI	SPIRAL	Δ=4°50'15"	o=1.27	t=89.98	Ls=180.00	LT=120.04	ST=60.04		SEE SUPERELEVATION DIAGRAM
2067	EB CD-2 Cst ℄	8177+72.50	N=868769.630	E=684366.613	PI	SIMPLE	Δ=24°28'08"	D=3°15'00"	R=1762.95	L=752.89	T=382.27		Ext=40.97	SEE SUPERELEVATION DIAGRAM
2068	EB CD-2 Cst ℄	8183+25.86	N=868209.915	E=684443.835	PI	SIMPLE	Δ=9°07'05"	D=2°30'00"	R=2291.83	L=364.72	T=182.75		Ext=7.27	SEE SUPERELEVATION DIAGRAM
41441	EB CD-2 Cst ℄	8185+07.83	N=868027.213	E=684439.807	PT									
41811	EB Ramp 'T-4' Cst ℄ (To Baseline Rd from I-10)	29+50.00	N=868590.475	E=684170.459	POC									
2081	EB Ramp 'T-4' Cst ℄	29+95.14	N=868546.011	E=684178.233	PI	SIMPLE	Δ=4°30'41"	D=5°00'00"	R=1145.92	L=90.23	T=45.14		Ext=0.89	SEE SUPERELEVATION DIAGRAM
2082	EB Ramp 'T-4' Cst ℄	36+33.71	N=867927.534	E=684337.368	PI	SIMPLE	Δ=14°32'47"	D=2°30'00"	R=2291.83	L=581.85	T=292.50		Ext=18.59	SEE SUPERELEVATION DIAGRAM
41815	EB Ramp 'T-4' Cst ℄	39+23.07	N=867635.035	E=684336.771	PT									
42311	WB CD Ramp 'T-1' Cst ℄	10+00.00	N= 877167.245	E= 681679.390	POT									
2121	WB CD Ramp 'T-1' Cst ℄	15+50.84	N= 877043.774	E= 682216.208	PI	SIMPLE	Δ= 11°21'04"	D= 2°15'00"	R= 2546.48	L= 504.49	T= 253.07		Ext= 12.54	SEE SUPERELEVATION DIAGRAM
2122	WB CD Ramp 'T-1' Cst ℄	22+31.25	N= 876763.047	E= 682837.834	PI	SIMPLE	Δ= 12°48'59"	D= 1°30'00"	R= 3819.72	L= 854.42	T= 429.00		Ext= 24.02	SEE SUPERELEVATION DIAGRAM
42316	WB CD Ramp 'T-1' Cst ℄	26+56.67	N= 876504.148	E= 683179.906	PT									

CURVE DATA TABLE

APPENDIX H

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DWG NO. C-1.14

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768g12.dgn

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

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

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	
42411	WB CD-1 Cst ℄	8095+38.38	N=876456.137	E=683263.226	POC									
2131	WB CD-1 Cst ℄	8096+75.58	N=876373.337	E=683372.627	PI	SIMPLE	Δ=5°26'25"	D=2°00'00"	R=2864.79	L=272.01	T=136.11		Ext=3.23	SEE SUPERELEVATION DIAGRAM
2132	WB CD-1 Cst ℄	8112+76.78	N=875290.194	E=684552.166	PI	SIMPLE	Δ=40°48'12"	D=1°27'16"	R=3939.72	L=2805.69	T=1465.30		Ext=263.67	SEE SUPERELEVATION DIAGRAM
2133	WB CD-1 Cst ℄	8130+12.74	N=873441.791	E=684767.212	PI	SIMPLE	Δ=7°53'56"	D=1°00'00"	R=5729.58	L=789.88	T=395.57		Ext=13.64	SEE SUPERELEVATION DIAGRAM
2134	WB CD-1 Cst ℄	8159+74.26	N=870479.732	E=684701.919	PI	SIMPLE	Δ=16°45'00"	D=2°15'00"	R=2546.48	L=744.44	T=374.90		Ext=27.45	SEE SUPERELEVATION DIAGRAM
	WB CD-1 Cst ℄ Combined Curve	8173+43.09	N=869155.455	E=685068.856	PI	TOTAL	Δ=40°49'45"			L=1057.31	T=549.15	T2=549.15		SEE SUPERELEVATION DIAGRAM
2135	WB CD-1 Cst ℄	8168+93.96	N=869588.276	E=684948.927	SPI	SPIRAL	Δ=3°22'30"	o=0.74	t=74.99	Ls=150.00	LT=100.02	ST=50.02		SEE SUPERELEVATION DIAGRAM
2136	WB CD-1 Cst ℄	8173+34.17	N=869157.830	E=685041.303	PI	SIMPLE	Δ=34°04'45"	D=4°30'00"	R=1273.24	L=757.31	T=390.23		Ext=58.46	SEE SUPERELEVATION DIAGRAM
2137	WB CD-1 Cst ℄	8177+51.27	N=868749.545	E=684876.619	SPI	SPIRAL	Δ=3°22'30"	o=0.74	t=74.99	Ls=150.00	LT=100.02	ST=50.02		SEE SUPERELEVATION DIAGRAM
2138	WB CD-1 Cst ℄	8182+17.81	N=868327.868	E=684676.916	PI	SIMPLE	Δ=12°51'47"	D=3°30'00"	R=1637.02	L=367.52	T=184.54		Ext=10.37	SEE SUPERELEVATION DIAGRAM
2139	WB CD-1 Cst ℄	8187+22.28	N=867833.802	E=684567.576	PI	SIMPLE	Δ=11°12'58"	D=1°45'00"	R=3274.04	L=640.91	T=321.48		Ext=15.75	SEE SUPERELEVATION DIAGRAM
42531	WB CD-1 Cst ℄	8190+41.71	N=867512.396	E=684560.491	PT									
42611	WB CD-2 Cst ℄	174+39.14	N=868925.324	E=684964.529	POT									
2151	WB CD-2 Cst ℄	178+90.38	N=868490.511	E=684843.864	PI	SIMPLE	Δ=2°15'10"	D=0°45'00"	R=7639.44	L=300.38	T=150.21		Ext=1.48	SEE SUPERELEVATION DIAGRAM
2152	WB CD-2 Cst ℄	186+28.86	N=867787.206	E=684618.561	PI	SIMPLE	Δ=16°30'00"	D=2°30'00"	R=2291.83	L=660.00	T=332.30		Ext=23.97	SEE SUPERELEVATION DIAGRAM
2153	WB CD-2 Cst ℄	207+25.75	N=865686.224	E=684572.249	PI	SIMPLE	Δ=1°07'47"	D=0°30'00"	R=11459.16	L=225.93	T=112.97		Ext=0.56	SEE SUPERELEVATION DIAGRAM
2154	WB CD-2 Cst ℄	211+41.85	N=865270.118	E=684571.282	PI	SIMPLE	Δ=0°34'30"	D=0°30'00"	R=11459.16	L=115.00	T=57.50		Ext=0.14	SEE SUPERELEVATION DIAGRAM
2155	WB CD-2 Cst ℄	214+19.53	N=864992.457	E=684567.851	PI	SIMPLE	Δ=2°55'00"	D=0°39'45"	R=8648.42	L=440.27	T=220.18		Ext=2.80	SEE SUPERELEVATION DIAGRAM
2156	WB CD-2 Cst ℄	219+64.76	N=864448.220	E=684533.373	PI	SIMPLE	Δ=3°29'30"	D=0°42'30"	R=8088.82	L=492.96	T=246.55		Ext=3.76	SEE SUPERELEVATION DIAGRAM
42620	WB CD-2 Cst ℄	222+11.17	N=864201.667	E=684532.800	PT									
42811	WB CD Ramp 'T-2' Cst ℄ (From Westbound US60)	10+00.00	N=870975.487	E=684736.853	PC									
2161	WB CD Ramp 'T-2' Cst ℄	13+74.90	N=870600.682	E=684728.591	PI	SIMPLE	Δ=16°45'00"	D=2°15'00"	R=2546.48	L=744.44	T=374.90		Ext=27.45	SEE SUPERELEVATION DIAGRAM
	WB CD Ramp 'T-2' Cst ℄ Combined Curve	29+73.96	N=869054.530	E=685157.006	PI	TOTAL	Δ=61°24'33"			L=1094.76	T=599.09	T2=599.09		SEE SUPERELEVATION DIAGRAM
2162	WB CD Ramp 'T-2' Cst ℄	24+74.91	N=869535.460	E=685023.747	SPI	SPIRAL	Δ=4°52'30"	o=1.06	t=74.98	Ls=150.00	LT=100.04	ST=50.03		SEE SUPERELEVATION DIAGRAM
2163	WB CD Ramp 'T-2' Cst ℄	29+51.55	N=869088.533	E=685189.623	PI	SIMPLE	Δ=51°39'33"	D=6°30'00"	R=881.47	L=794.76	T=426.68		Ext=97.84	SEE SUPERELEVATION DIAGRAM
2164	WB CD Ramp 'T-2' Cst ℄	33+69.66	N=868941.388	E=685643.062	SPI	SPIRAL	Δ=4°52'30"	o=1.06	t=74.98	Ls=150.00	LT=100.04	ST=50.03		SEE SUPERELEVATION DIAGRAM
42821	WB CD Ramp 'T-2' Cst ℄	42+92.60	N=868732.128	E=686542.045	POT									
48110	US60 Ramp 'W-N' Cst ℄	189+36.17	N=870606.950	E=684658.712	TS									
	US60 Ramp 'W-N' Cst ℄ Combined Curve	204+86.25	N=869057.243	E=684624.552	PI	TOTAL	Δ=81°07'40"			L=2397.25	T=1550.08	T2=1262.27		SEE SUPERELEVATION DIAGRAM
2281	US60 Ramp 'W-N' Cst ℄	190+52.84	N=870490.306	E=684656.141	SPI	SPIRAL	Δ=1°45'00"	o=0.45	t=87.50	Ls=175.00	LT=116.67	ST=58.34		SEE SUPERELEVATION DIAGRAM
2282	US60 Ramp 'W-N' Cst ℄	193+49.18	N=870193.969	E=684658.661	PI	SIMPLE	Δ=9°29'55"	D=2°00'00"	R=2864.79	L=474.93	T=238.01		Ext=9.87	SEE SUPERELEVATION DIAGRAM
2283	US60 Ramp 'W-N' Cst ℄	197+27.33	N=869820.471	E=684724.423	SPI	SPIRAL	Δ=8°07'30"	o=1.14	t=69.36	Ls=250.00	LT=141.23	ST=109.17		SEE SUPERELEVATION DIAGRAM
2284	US60 Ramp 'W-N' Cst ℄	205+14.94	N=869071.501	E=684969.380	PI	SIMPLE	Δ=56°07'46"	D=4°30'00"	R=1273.24	L=1247.32	T=678.84		Ext=169.66	SEE SUPERELEVATION DIAGRAM
2285	US60 Ramp 'W-N' Cst ℄	211+66.83	N=868864.469	E=685702.974	SPI	SPIRAL	Δ=5°37'30"	o=2.04	t=124.96	Ls=250.00	LT=166.75	ST=83.41		SEE SUPERELEVATION DIAGRAM
48121	US60 Ramp 'W-N' Cst ℄	216+65.42	N=868776.705	E=686193.945	POT									

CURVE DATA TABLE

APPENDIX H

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

GEOMETRIC DATA SHEET
PROPOSED CONDITIONS

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NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-1.15

ROUTE: I-10

LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768g13.dgn

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

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

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
48606	US60 Ramp 'N-E' Cst ℄	24+84.07	N= 868230.221	E= 684872.923	PC									
	US60 Ramp 'N-E' Cst ℄ Combined Curve	29+32.37	N=867852.154	E=684631.996	PI	TOTAL	Δ=31°14'42"			L=1025.47	T=448.30	T2=604.95		SEE SUPERELEVATION DIAGRAM
2293	US60 Ramp 'N-E' Cst ℄	25+00.05	N= 868216.745	E= 684864.335	PI	SIMPLE	Δ= 2°09'26"	D= 6°45'00"	R= 848.83	L= 31.96	T= 15.98		Ext= 0.15	SEE SUPERELEVATION DIAGRAM
48612	US60 Ramp 'N-E' Cst ℄	26+00.91	N= 868129.702	E= 684813.367	SPI	SPIRAL	Δ= 9°15'00"	"o"= 1.24	†= 62.87	Ls= 200.00	LT= 115.53	ST= 84.89		SEE SUPERELEVATION DIAGRAM
2294	US60 Ramp 'N-E' Cst ℄	31+16.79	N= 867648.021	E= 684627.496	PI	SIMPLE	Δ= 19°50'16"	D= 2°30'00"	R= 2291.83	L= 793.51	T= 400.77		Ext= 34.78	SEE SUPERELEVATION DIAGRAM
48615	US60 Ramp 'N-E' Cst ℄	35+09.54	N= 867247.349	E= 684618.664	PT									
37328	US60 Ramp 'W-S' Cst ℄	72+60.92	N=865677.300	E=684349.526	POC									
2301	US60 Ramp 'W-S' Cst ℄	74+31.47	N=865506.754	E=684349.177	PI	SIMPLE	Δ=2°33'28"	D=0°45'00"	R=7639.44	L=341.04	T=170.55		Ext=1.90	SEE SUPERELEVATION DIAGRAM
2302	US60 Ramp 'W-S' Cst ℄	78+46.81	N=865091.739	E=684366.867	PI	SIMPLE	Δ=2°34'26"	D=0°45'00"	R=7639.44	L=343.18	T=171.62		Ext=1.93	SEE SUPERELEVATION DIAGRAM
48414	US60 Ramp 'W-S' Cst ℄	80+18.37	N=864920.119	E=684366.469	PT									
47310	Broadway Rd Ramp 'C' Cst ℄	23+60.00	N=876192.783	E=684008.344	POT									
2551	Broadway Rd Ramp 'C' Cst ℄	26+41.92	N=875910.863	E=684007.699	PI	SIMPLE	Δ=24°46'44"	D=5°30'00"	R=1041.74	L=450.53	T=228.84		Ext=24.84	SEE SUPERELEVATION DIAGRAM
47314	Broadway Rd Ramp 'C' Cst ℄	36+01.23	N=875032.454	E=684410.753	POT									
19813	Broadway Rd Ramp 'D' Cst ℄	18+81.11	N=875907.043	E=683433.479	POC									
2561	Broadway Rd Ramp 'D' Cst ℄	19+09.81	N=875888.658	E=683455.519	PI	SIMPLE	Δ=3°26'35"	D=6°00'00"	R=954.93	L=57.39	T=28.70		Ext=0.43	SEE SUPERELEVATION DIAGRAM
2562	Broadway Rd Ramp 'D' Cst ℄	23+64.04	N=875577.263	E=683786.240	PI	SIMPLE	Δ=16°53'54"	D=2°00'00"	R=2864.79	L=844.92	T=425.55		Ext=31.43	SEE SUPERELEVATION DIAGRAM
47413	Broadway Rd Ramp 'D' Cst ℄	27+83.41	N=875208.080	E=683997.892	POC									
52111	Baseline Rd Ramp 'A' Cst ℄	11+52.86	N=866491.740	E=684602.008	PC									
2581	Baseline Rd Ramp 'A' Cst ℄	13+48.81	N=866295.838	E=684597.690	PI	SIMPLE	Δ=4°53'45"	D=1°15'00"	R=4583.66	L=391.66	T=195.95		Ext=4.19	SEE SUPERELEVATION DIAGRAM
2582	Baseline Rd Ramp 'A' Cst ℄	19+61.27	N=865684.370	E=684636.513	PI	SIMPLE	Δ=0°15'00"	D=1°30'00"	R=3819.72	L=16.67	T=8.33		Ext=0.01	SEE SUPERELEVATION DIAGRAM
20413	Baseline Rd Ramp 'A' Cst ℄	19+69.60	N=865676.051	E=684637.005	POC									
52211	Baseline Rd Ramp 'B' Cst ℄	16+48.52	N=866397.439	E=684321.609	POT									
52212	Baseline Rd Ramp 'B' Cst ℄	19+70.00	N=866078.093	E=684284.648	POT									
52311	Baseline Rd Ramp 'C' Cst ℄	23+94.64	N=863900.773	E=684563.805	PC									
2601	Baseline Rd Ramp 'C' Cst ℄	26+77.10	N=863619.040	E=684543.446	PI	SIMPLE	Δ=4°00'00.00"	D=0°42'30"	R=8088.82	L=564.71	T=282.47		Ext=4.93	
52313	Baseline Rd Ramp 'C' Cst ℄	29+59.34	N=863336.573	E=684542.790	PT									
52411	Baseline Rd Ramp 'D' Cst ℄	23+10.45	N=863984.817	E=684325.721	PC									
2611	Baseline Rd Ramp 'D' Cst ℄	26+13.00	N=863683.380	E=684351.595	PI	SIMPLE	Δ=5°02'21"	D=0°50'00"	R=6875.49	L=604.70	T=302.55		Ext=6.65	SEE SUPERELEVATION DIAGRAM
52413	Baseline Rd Ramp 'D' Cst ℄	29+15.15	N=863380.835	E=684350.893	PT									

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ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR 202L, Santan/South Mountain	C-1.16

TRACS NO. H8768 01L ___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768g14.dgn

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

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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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	
41911	Baseline Rd Ramp 'F' Cst ℄	10+00.00	N=869982.152	E=683919.265	POC									
2571	Baseline Rd Ramp 'F' Cst ℄	14+62.48	N=869525.743	E=683844.581	PI	SIMPLE	Δ=35°47'15"	D=4°00'00"	R=1432.39	L=894.69	T=462.48		Ext=72.81	SEE SUPERELEVATION DIAGRAM
2572	Baseline Rd Ramp 'F' Cst ℄	24+00.31	N=868659.313	E=684276.461	PI	SIMPLE	Δ=21°39'41"	D=4°00'00"	R=1432.39	L=541.53	T=274.04		Ext=25.98	SEE SUPERELEVATION DIAGRAM
2573	Baseline Rd Ramp 'F' Cst ℄	32+56.03	N=867800.113	E=684349.108	PI	SIMPLE	Δ=4°57'00"	D=1°30'00"	R=3819.72	L=330.00	T=165.10		Ext=3.57	SEE SUPERELEVATION DIAGRAM
41919	Baseline Rd Ramp 'F' Cst ℄	34+20.93	N=867635.011	E=684348.771	PT									
53111	Elliot Rd Ramp 'A' Cst ℄	6+18.24	N=856100.932	E=683516.936	PC									
2621	Elliot Rd Ramp 'A' Cst ℄	11+68.12	N=855558.132	E=683428.968	PI	SIMPLE	Δ=16°23'02"	D=1°30'00"	R=3819.72	L=1092.26	T=549.88		Ext=39.38	SEE SUPERELEVATION DIAGRAM
53113	Elliot Rd Ramp 'A' Cst ℄	17+17.00	N=855006.110	E=683498.493	POT									
53211	Elliot Rd Ramp 'B' Cst ℄	3+66.67	N=857167.203	E=683544.158	POT									
2631	Elliot Rd Ramp 'B' Cst ℄	21+71.56	N=855400.712	E=683173.863	PI	SIMPLE	Δ=4°55'57"	D=1°00'00"	R=5729.58	L=493.26	T=246.78		Ext=5.31	SEE SUPERELEVATION DIAGRAM
53214	Elliot Rd Ramp 'B' Cst ℄	24+18.03	N=855164.428	E=683102.652	PT									
53310	Elliot Rd Ramp 'C' Cst ℄	16+25.00	N=854080.214	E=683382.834	POT									
2641	Elliot Rd Ramp 'C' Cst ℄	21+18.85	N=853605.354	E=683247.215	PI	SIMPLE	Δ=14°13'51"	D=1°30'00"	R=3819.72	L=948.71	T=476.81		Ext=29.64	SEE SUPERELEVATION DIAGRAM
53313	Elliot Rd Ramp 'C' Cst ℄	25+90.75	N=853128.755	E=683233.000	POC									
53410	Elliot Rd Ramp 'D' Cst ℄	15+10.00	N=854168.355	E=683004.063	POT									
2651	Elliot Rd Ramp 'D' Cst ℄	17+81.67	N=853898.863	E=683038.374	PI	SIMPLE	Δ=3°36'53"	D=1°00'00"	R=5729.58	L=361.47	T=180.80		Ext=2.85	SEE SUPERELEVATION DIAGRAM
2652	Elliot Rd Ramp 'D' Cst ℄	23+20.05	N=853361.443	E=683072.571	PI	SIMPLE	Δ=5°34'11"	D=2°00'00"	R=2864.79	L=278.48	T=139.35		Ext=3.39	SEE SUPERELEVATION DIAGRAM
53416	Elliot Rd Ramp 'D' Cst ℄	24+59.19	N=853222.170	E=683067.881	POC									
54111	Warner Rd Ramp 'A' Cst ℄	9+70.34	N=851358.161	E=683226.670	PC									
2661	Warner Rd Ramp 'A' Cst ℄	11+57.96	N=851170.541	E=683227.354	PI	SIMPLE	Δ=2°48'50"	D=0°45'00"	R=7639.44	L=375.17	T=187.62		Ext=2.30	SEE SUPERELEVATION DIAGRAM
2662	Warner Rd Ramp 'A' Cst ℄	19+80.05	N=850349.526	E=683270.706	PI	SIMPLE	Δ=3°03'46"	D=0°45'00"	R=7639.44	L=408.36	T=204.23		Ext=2.73	SEE SUPERELEVATION DIAGRAM
54117	Warner Rd Ramp 'A' Cst ℄	23+25.00	N=850006.418	E=683307.284	POT									
54211	Warner Rd Ramp 'B' Cst ℄	9+88.10	N=850935.851	E=683060.208	PC									
2671	Warner Rd Ramp 'B' Cst ℄	12+40.80	N=850683.157	E=683061.129	PI	SIMPLE	Δ=3°37'15"	D=0°43'00"	R=7994.76	L=505.22	T=252.70		Ext=3.99	SEE SUPERELEVATION DIAGRAM
2672	Warner Rd Ramp 'B' Cst ℄	20+22.04	N=849903.133	E=683014.624	PI	SIMPLE	Δ=0°22'45"	D=2°00'00"	R=2864.79	L=18.96	T=9.48		Ext=0.02	SEE SUPERELEVATION DIAGRAM
52412	Warner Rd Ramp 'B' Cst ℄	20+31.52	N=849893.673	E=683013.997	POC									
54311	Warner Rd Ramp 'C' Cst ℄	12+55.31	N=849073.391	E=683343.404	PC									
2681	Warner Rd Ramp 'C' Cst ℄	20+53.27	N=848283.594	E=683229.613	PI	SIMPLE	Δ=7°58'00"	D=0°30'00"	R=11459.16	L=1593.33	T=797.95		Ext=27.75	SEE SUPERELEVATION DIAGRAM
54313	Warner Rd Ramp 'C' Cst ℄	28+48.65	N=847485.647	E=683226.384	PT									

CURVE DATA TABLE

APPENDIX H

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

GEOMETRIC DATA SHEET
PROPOSED CONDITIONS

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-1.17

ROUTE: I-10

LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768g15.dgn

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

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

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	
54410	Warner Rd Ramp 'D' Cst ℄	13+50.00	N=848977.274	E=682976.297	POC									
2691	Warner Rd Ramp 'D' Cst ℄	14+80.15	N=848848.506	E=682995.182	PI	SIMPLE	Δ=3°54'10"	D=1°30'00"	R=3819.72	L=260.19	T=130.15		Ext=2.22	SEE SUPERELEVATION DIAGRAM
2692	Warner Rd Ramp 'D' Cst ℄	23+23.54	N=848007.539	E=683060.495	PI	SIMPLE	Δ=4°40'22"	D=0°50'00"	R=6875.49	L=560.73	T=280.52		Ext=5.72	SEE SUPERELEVATION DIAGRAM
54414	Warner Rd Ramp 'D' Cst ℄	26+03.75	N=847727.021	E=683059.359	PT									
55111	Ray Rd Ramp 'A' Cst ℄	10+69.49	N=845401.937	E=683217.951	PC									
2701	Ray Rd Ramp 'A' Cst ℄	15+30.57	N=844940.864	E=683216.085	PI	SIMPLE	Δ=13°45'57"	D=1°30'00"	R=3819.72	L=917.71	T=461.08		Ext=27.73	SEE SUPERELEVATION DIAGRAM
55114	Ray Rd Ramp 'A' Cst ℄	19+93.00	N=844486.957	E=683325.342	POT									
55211	Ray Rd Ramp 'B' Cst ℄	12+30.65	N=846005.386	E=683052.392	PC									
2711	Ray Rd Ramp 'B' Cst ℄	15+42.14	N=845693.895	E=683051.131	PI	SIMPLE	Δ=10°33'39"	D=1°42'00"	R=3370.34	L=621.22	T=311.49		Ext=14.36	SEE SUPERELEVATION DIAGRAM
2712	Ray Rd Ramp 'B' Cst ℄	20+02.41	N=845240.037	E=682964.614	PI	SIMPLE	Δ=7°30'58"	D=2°30'00"	R=2291.83	L=300.64	T=150.54		Ext=4.94	SEE SUPERELEVATION DIAGRAM
55216	Ray Rd Ramp 'B' Cst ℄	21+94.43	N=845057.323	E=682904.156	POT									
48300	Priest Dr Ramp 'D' Cst ℄	15+34.15	N=868246.956	E=687129.752	PC									
2861	Priest Dr Ramp 'D' Cst ℄	17+00.13	N=868203.392	E=687289.915	PI	SIMPLE	Δ=1°39'35"	D=0°30'00"	R=11459.16	L=331.94	T=165.98		Ext=1.20	SEE SUPERELEVATION DIAGRAM
48303	Priest Dr Ramp 'D' Cst ℄	24+61.06	N=867982.489	E=688018.101	POT									

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

CURVE DATA TABLE

APPENDIX H

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

GEOMETRIC DATA SHEET
PROPOSED CONDITIONS

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-1.18

ROUTE: I-10

LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768g16.dgn

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

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

NOSE OF GORE CONTROL DATA

(XX)	DESCRIPTION
1	Broadway Rd Ramp 'D' Cst ℄ Sta 21+19.19= 25.49' Rt EB CD-1 Cst ℄ Sta 8102+92.77
2	WB CD Ramp 'T-1' Cst ℄ Sta 14+51.29= 58.51' Lt I-10 WB Cst ℄ Sta 8082+61.39
3	WB CD Ramp 'T-1' Cst ℄ Sta 21+41.58= 56.68' Rt Exst 48th St Ramp 'B' Cst ℄ Sta 24+96.95
4	Broadway Rd Ramp 'C' Cst ℄ Sta 31+96.99= 44.56' Lt WB CD-1 Cst ℄ Sta 8109+78.25
5	EB CD-1 Cst ℄ Sta 8136+50.36= 81.54' Rt I-10 EB-DB Cst ℄ Sta 8137+92.03
6	EB CD-2 Cst ℄ Sta 8139+51.20= 114.12' Rt I-10 EB-DB Cst ℄ Sta 8139+52.24
7	WB CD Ramp 'T-2' Cst ℄ Sta 14+75.86= 43.47' Lt WB CD-1 Cst ℄ Sta 8159+58.25
8	US60 Ramp 'W-N' Cst ℄ Sta 193+72.89= 81.70' Lt I-10 WB Cst ℄ Sta 8161+52.57
9	Baseline Rd Ramp 'F' Cst ℄ Sta 15+28.07= 32.58' Rt EB CD-2 Cst ℄ Sta 8169+64.19
10	EB CD-2 Cst ℄ Sta 8181+92.59= 63.65' Rt I-10 EB Cst ℄ Sta 8179+86.41
11	EB Ramp 'T-4' Cst ℄ Sta 35+34.89= 25.54' Rt Baseline Rd Ramp 'F' Cst ℄ Sta 30+31.77
12	WB CD-2 Cst ℄ Sta 176+69.58= 43.85' Lt WB CD-1 Cst ℄ Sta 8177+82.34
13	WB CD-1 Cst ℄ Sta 8185+37.91= 68.68' Lt I-10 WB Cst ℄ Sta 8183+10.88
14	US60 Ramp 'N-E' Cst ℄ Sta 30+21.74= 46.60' Lt WB CD-2 Cst ℄ Sta 186+73.40
15	US60 Ramp 'W-S' Cst ℄ Sta 74+57.45= 74.02' Rt I-10 EB Cst ℄ Sta 8208+48.41
16	WB CD-2 Cst ℄ Sta 215+14.29= 80.53' Lt I-10 WB Cst ℄ Sta 8214+28.85

(XX)	DESCRIPTION
17	Exst Baseline Rd Ramp 'A' Cst ℄ Sta 13+54.15= 88.53' Lt I-10 WB Cst ℄ Sta 8223+85.53
18	Baseline Rd Ramp 'D' Cst ℄ Sta 24+24.08= 83.53' Rt I-10 EB Cst ℄ Sta 8224+55.70
19	Elliot Rd Ramp 'A' Cst ℄ Sta 10+19.53= 47.54' Lt I-10 WB Cst ℄ Sta 8306+98.51
20	Elliot Rd Ramp 'B' Cst ℄ Sta 16+27.28= 54.52' Rt I-10 EB Cst ℄ Sta 8305+05.22
21	Elliot Rd Ramp 'C' Cst ℄ Sta 21+35.69= 52.56' Lt I-10 WB Cst ℄ Sta 8328+33.80
22	Elliot Rd Ramp 'D' Cst ℄ Sta 21+59.12= 47.57' Rt I-10 EB Cst ℄ Sta 8329+22.03
23	Warner Rd Ramp 'A' Cst ℄ Sta 15+14.66= 47.51' Lt I-10 WB Cst ℄ Sta 8356+16.56
24	Warner Rd Ramp 'B' Cst ℄ Sta 15+97.28= 52.52' Rt I-10 EB Cst ℄ Sta 8361+02.92
25	Warner Rd Ramp 'C' Cst ℄ Sta 21+30.07= 52.52' Lt I-10 WB Cst ℄ Sta 8382+26.38
26	Warner Rd Ramp 'D' Cst ℄ Sta 21+12.68= 47.53' Rt I-10 EB Cst ℄ Sta 8382+13.14
27	Ray Rd Ramp 'A' Cst ℄ Sta 14+35.82= 47.55' Lt I-10 WB Cst ℄ Sta 8413+93.98
28	Ray Rd Ramp 'B' Cst ℄ Sta 16+20.97= 52.58' Rt I-10 EB Cst ℄ Sta 8408+14.90
29	WB CD Ramp 'T-2' Cst ℄ Sta 37+29.84= 46.52' Lt Ramp 'W-N' Cst ℄ Sta 214+53.93
30	Exst US60 DB Ramp 'N-E' Cst ℄ Sta 13+04.58= 79.58' Rt Exst US60 Ramp 'S-E DB' Cst ℄ Sta 114+37.29
31	Priest Dr Ramp 'D' Cst ℄ Sta 21+85.62= 117.83' Rt US60 Ramp S-E Cst ℄ Sta 133+90.27

APPENDIX H

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

RAMP NOSE OF GORE CONTROL DATA

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-1.19

ROUTE	LOCATION
I-10	SR 143 - SR 202L, Santan/South Mountain

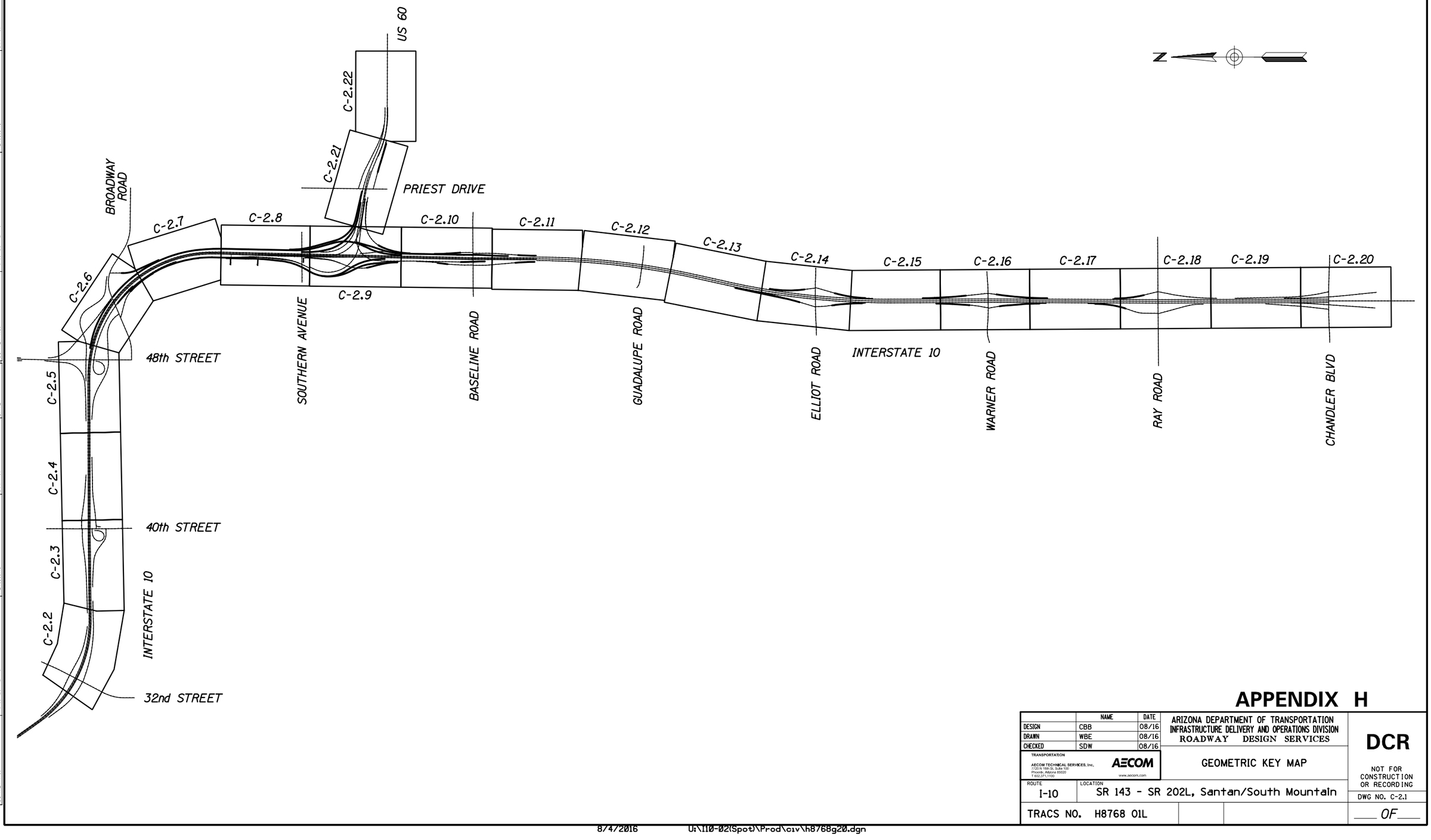
TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768g17.dgn

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

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



APPENDIX H

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CHECKED	SDW	08/16

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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

GEOMETRIC KEY MAP

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.1

ROUTE: I-10

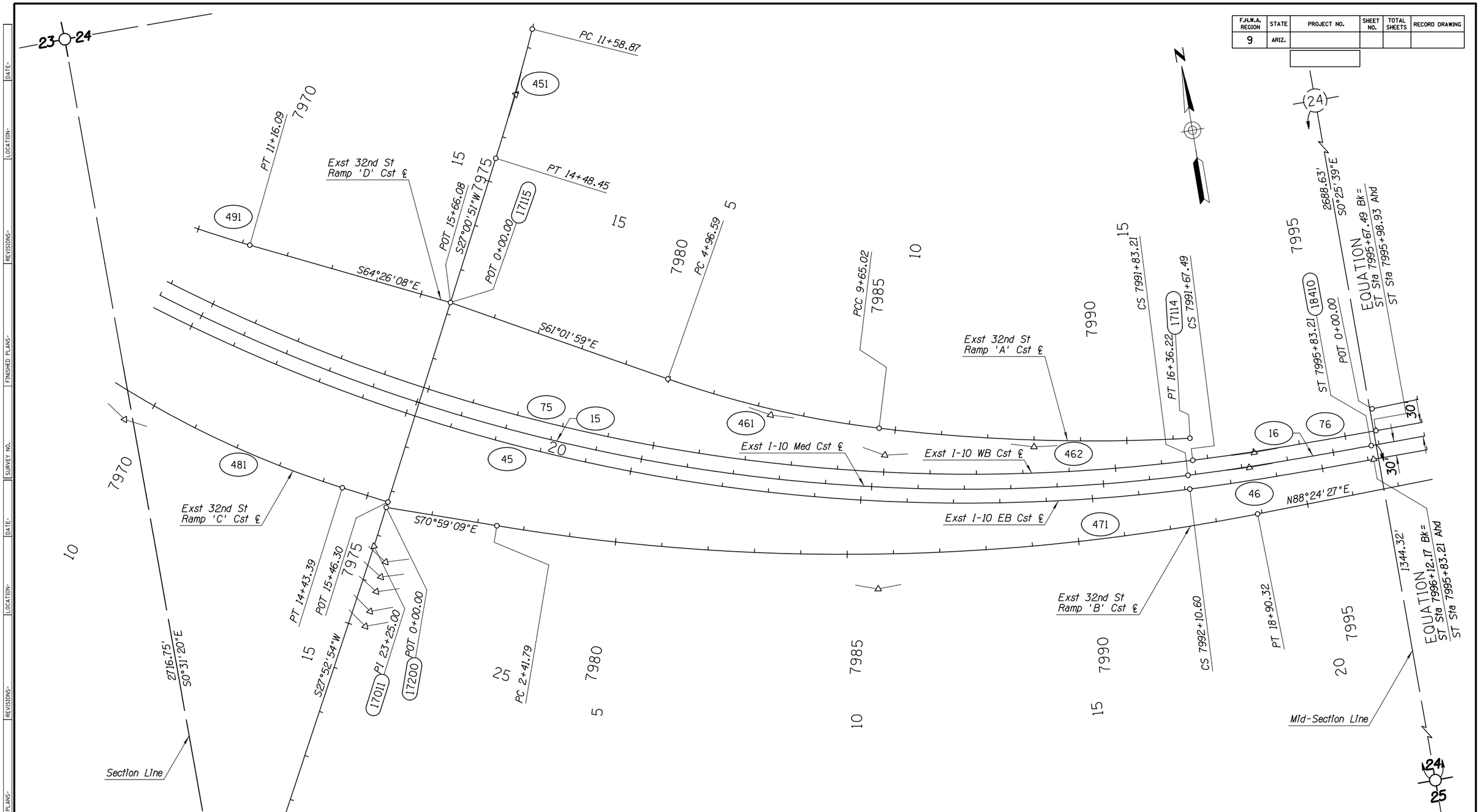
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

____ OF ____

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768g20.dgn

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



APPENDIX H

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

I-10
GEOMETRIC LAYOUT
Sta 7969+00 to Sta 7997+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

DWG NO. C-2.2

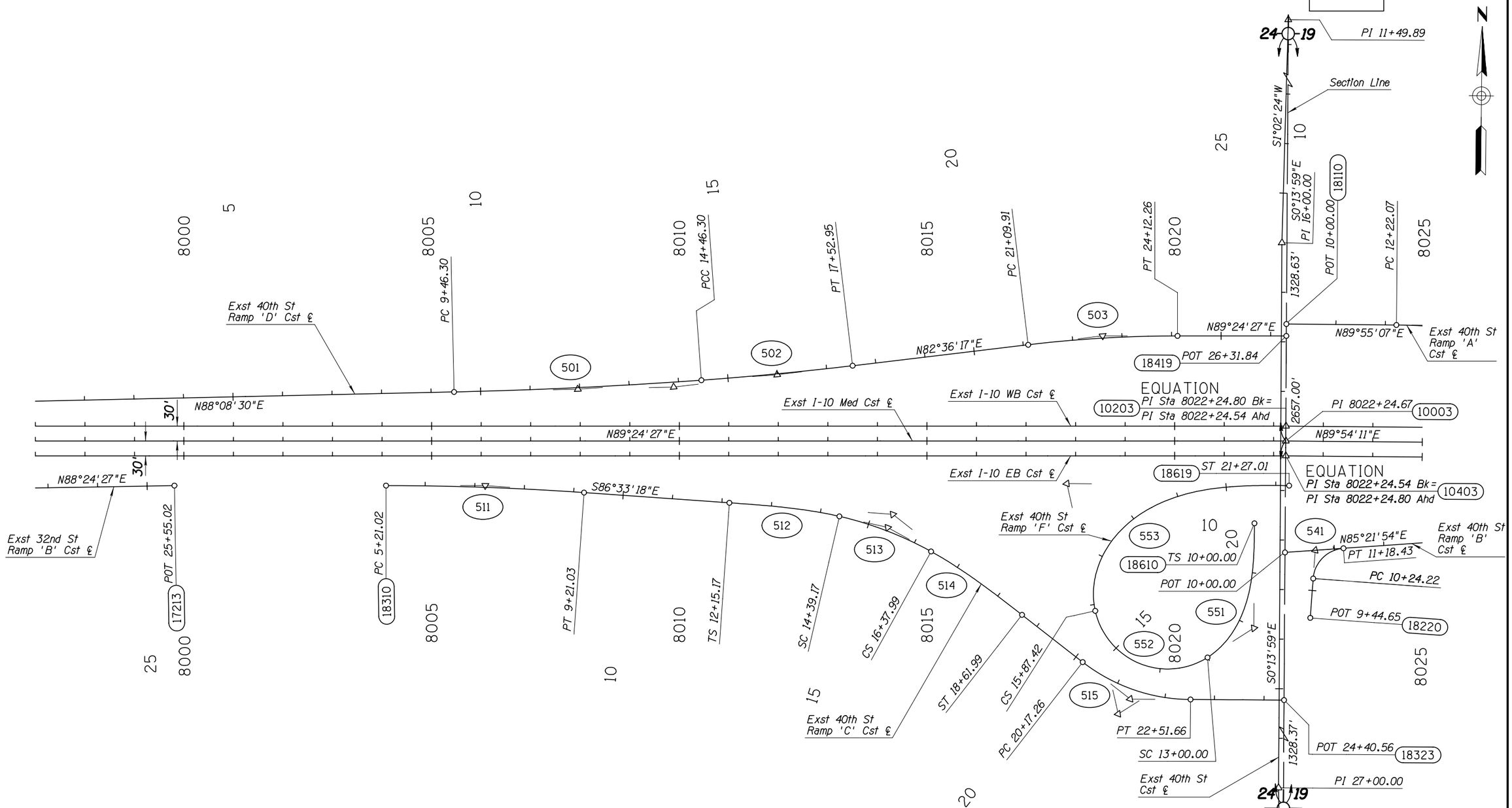
TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768g41.dgn

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

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



	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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ARIZONA DEPARTMENT OF TRANSPORTATION
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ROADWAY DESIGN SERVICES

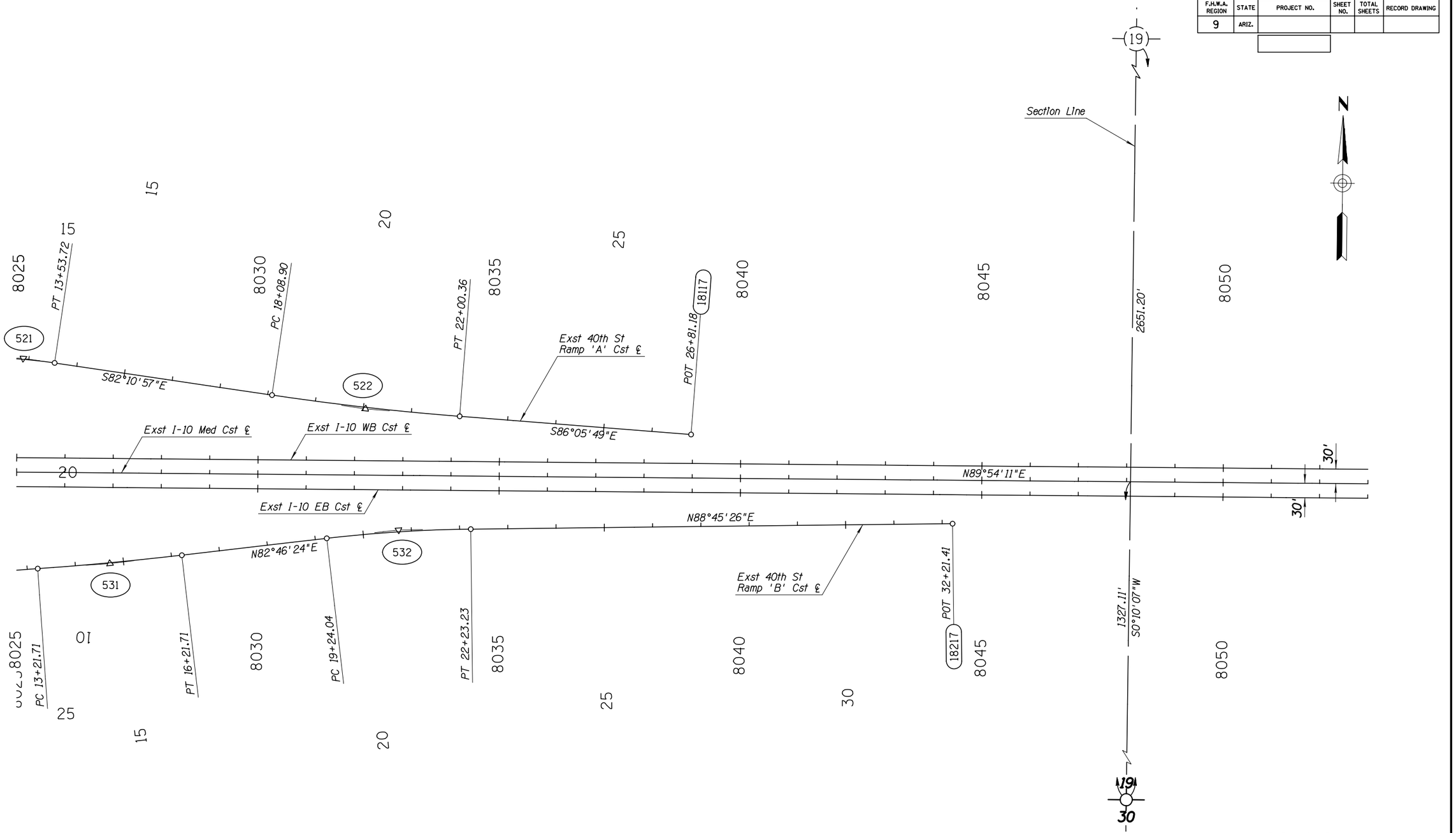
I-10
GEOMETRIC LAYOUT
Sta 7997+00 to Sta 8025+00

DCR
NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-2.3
TRACS NO. H8768 01L
___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768g21.dgn

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



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

I-10
GEOMETRIC LAYOUT
Sta 8025+00 to Sta 8053+00

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.4

___ OF ___

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

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768g22.dgn

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

EQUATION
3476 PI Sta 26+48.97 Bk =
PI Sta 26+48.71 Ahd

19-20 Section LIne

PT 31+47.61

1360.38'
2648.97'
N0°04'37"E

Exst 48th St
Ramp 'B' Cst ℄

PT 10+85.50
S48°58'29"E
19213

Exst Broadway Rd
Ramp 'F' Cst ℄

PC 9+62.88

8075
PT 7+64.98

PC 4+64.98

8055
POT 10+00.00
19110

Exst 48th St
Ramp 'A' Cst ℄

PC 16+99.92

8060

8065
CS 20+32.08

TS 8067+89.12
POT 0+00.00
19610

SC 23+52.08

8070

293
291
292
571
572

N88°45'26"E
N89°54'11"E

SC 8070+90.30

30'
Exst I-10 Med Cst ℄
N89°54'11"E
30'

Exst I-10 WB Cst ℄

61
1
SC 8070+89.12

WB CD Ramp 'T-1' Cst ℄

62
2

Exst I-10 EB Cst ℄

31
SC 8070+87.94

SC 11+09.08

32
325

Exst 48th St
Ramp 'D' Cst ℄

Exst SR143 Med Cst ℄

S86°05'49"E

311
312

8055
POT 0+00.00
19310

TS 2+99.79

8060

SC 4+99.79

8065

PT 10+28.51

S60°56'53"E

Exst 48th St
Ramp 'C' Cst ℄

324
19410
PC 0+00.00

CS 1+79.08

PCC 2+20.35

321
323
322

8070

PCC 4+98.69

314
315
313

PC 13+77.03

PCC 15+64.41

PCC 16+82.41

PT 18+87.41

8075

1288.59'

Begin WB CD Ramp 'T-1' Cst ℄ POT Sta 10+00.00=
37.00' Lt Exst I-10 WB Cst ℄ Sta 8078+15.95
42311

Exst Broadway Rd
Ramp 'J' Cst ℄

POT 19+55.41
19325

3423
19-20
30-29
POT 0+00.00
19325

N

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ROADWAY DESIGN SERVICES

I-10
GEOMETRIC LAYOUT
Sta 8053+00 to Sta 8079+00

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.5

___ OF ___

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

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768g23.dgn

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

Begin WB CD-1 Cst ℄ POC Sta 8095+38.38 =
12.00' Rt Exst 48th St Ramp 'B' PC Sta 31+05.89

42411

Begin Broadway Rd Ramp 'C' Cst ℄
POT Sta 23+60.00 =
0.00' Lt Exst Broadway Rd Ramp 'L' Cst ℄
POC Sta 13+60.00

47310

CS 22+07.24
ST 24+47.24
TS 26+35.49
SC 28+75.49
CS 30+68.82
ST 33+08.82
PC 34+43.76
PT 35+43.76
POT 36+22.76
SC 18+02.25
TS 15+62.25
PC 20+00.00
PC 18+02.25
PC 12+97.76
PT 13+81.08
PC 22+52.85
PT 23+90.48
PT 31+86.54
PC 14+01.61
PC 24+13.08
PCC 8098+11.48
PC 31+05.89
PT 38+69.71
PT 31+39.26
PT 14+96.66
POT 15+48.12
PC 7+71.54
POT 0+00.00
PT 8+78.74
PC 4+60.33
PC 34+21.64
PC 8+81.11
PCC 19+38.49
PT 8100+40.36
PT 38+74.66
PC 8101+69.30

S48°58'29"E
S77°02'49"E
S52°52'47"E
S52°29'41"E
S56°53'35"E
S36°20'14"E
S75°24'50"E
N88°04'37"E
N67°05'10"E
N89°39'56"E
S50°07'52"W

2653.77'
296.97'
2370.95'
2667.92'

Exst Broadway Rd Ramp 'F' Cst ℄
Exst 48th St Ramp 'B' Cst ℄
Exst I-10 WB Cst ℄
Exst I-10 Med Cst ℄
Exst I-10 EB Cst ℄
Exst 48th St Ramp 'D' Cst ℄
Exst Broadway Rd Ramp 'J' Cst ℄
Exst Broadway Rd Cst ℄
Exst Broadway Rd Ramp 'K' Cst ℄
Mid-Section Line
WB CD-1 Cst ℄
Broadway Rd Ramp 'C' Cst ℄
Section Line
Exst Broadway Rd Ramp 'L' Cst ℄
Broadway Rd Ramp 'D' Cst ℄
EB CD-1 Cst ℄
WB CD Ramp 'T-1' Cst ℄

End WB CD T-1 Cst ℄ PT Sta 26+56.67 =
24.00' Rt Exst 48th St Ramp 'B' POT Sta 30+10.48

42316

Begin Broadway Rd Ramp 'D' Cst ℄
POC Sta 18+81.11 =
0.00' Rt Exst Broadway Rd Ramp 'K' Cst ℄
PCC Sta 8+81.11

19813

Begin EB CD-1 Cst ℄ POC Sta 8094+26.25 =
0.00' Rt Exst 48th St Ramp 'D' Cst ℄ PT Sta 31+39.26

19419

APPENDIX H

	NAME	DATE
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DRAWN	WBE	08/16
CHECKED	SDW	08/16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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T 602.371.1100
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www.aecom.com

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

I-10
GEOMETRIC LAYOUT
Sta 8079+00 to Sta 8105+00

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.6

___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768g24.dgn

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

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

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

Section Line

End Broadway Rd Ramp 'C' Cst ℄ POT Sta 36+01.23 = 24.00' Lt WB CD-1 Cst ℄ POC Sta 8113+78.66

47314

Broadway Rd Ramp 'C' Cst ℄

Exst Broadway Rd Ramp 'L' Cst ℄

WB CD-1 Cst ℄

Exst I-10 Med Cst ℄

Exst I-10 WB Cst ℄

Exst I-10 EB Cst ℄

EB CD-1 Cst ℄

Exst 48th St Ramp 'B' Cst ℄

Exst Broadway Rd Ramp 'K' Cst ℄

Broadway Rd Ramp 'D' Cst ℄

POT 41+43.59

PT 28+63.60

PT 18+92.15

PC 24+37.46

PT 32+13.84

PCC 8126+17.17

CS 8129+26.43

CS 8128+79.77

2025.99' (P.O.S.T.) N89°40'03"E

2676.43'

ST 8131+79.77

EQUATION ST Sta 8132+27.61 Bk= ST Sta 8131+79.77 Ahd

PT 8134+07.05

S 1°15'46" W

S24°38'52"E

S24°23'45"E

388.15'

2649.35' S0°09'21"W

PCC 20+09.77

PT 25+99.44

PCC 8123+79.83

CS 8128+33.12

PT 8128+01.56

EQUATION ST Sta 8131+31.94 Bk= ST Sta 8131+79.77 Ahd

End Broadway Rd Ramp 'D' Cst ℄ POC Sta 27+83.41 = 12.00' Rt EB CD-1 Cst ℄ POC Sta 8108+87.44

47413

Mid-Section Line

Mid-Section Line

19208 | 19906 | 19817

2551 | 2562 | 2132 | 2133 | 2052 | 2053

591 | 592 | 602 | 603 | 62 | 2 | 32 | 63 | 3 | 33

30' | 30'

APPENDIX H

	NAME	DATE
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CHECKED	SDW	08/16

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

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
7720 N 16th St, Suite 100
Phoenix, Arizona 85020
T 602.371.1100
AECOM
www.aecom.com

I-10
GEOMETRIC LAYOUT
Sta 8105+00 to Sta 8133+00

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.7

___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768g25.dgn

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

Begin US60 Ramp 'W-N' Cst ℄ TS Sta 189+36.17 =
60.00' Lt Exst I-10 WB Cst ℄ POT Sta 8157+16.73

48110

WB CD Ramp 'T-2' Cst ℄

Begin WB CD Ramp 'T-2' Cst ℄ PC Sta 10+00.00 =
24.00' Lt WB CD-1 Cst ℄ POT Sta 8154+77.86

42811

POT 13+00.00 20600

Section Line

2084.37'
N89°39'52"E
2683.81'

PC 8155+99.36

SC 191+11.17

WB CD-1 Cst ℄

S1°15'46"W

2161

US60 Ramp 'W-N' Cst ℄

2134

2281

2282

Exst I-10 Med Cst ℄

Exst I-10 WB Cst ℄

38711 PI 7152+20.00

30'

30'

Exst I-10 EB Cst ℄

Exst I-10 EB-DB Cst ℄

S2°04'52"W

S1°15'46"W

2054

121

122

142

Exst US60 Ramp HOV Cst ℄

Exst EB Ramp 'T-4' Cst ℄

621

Exst EB Ramp 'T4-DB' Cst ℄

599.44'

PC 99+86.46

POT 0+00.00

38510

37510

100

S 1°15'46" W

EB CD-1 Cst ℄

EB CD-2 Cst ℄

2055

2061

141

2062

S6°04'21"W

S 6°04'21" W

123

124

143

2063

Exst US60 Ramp 'S-E DB' Cst ℄

Exst US60 Ramp 'S-E' Cst ℄

Exst US60 Ramp 'S-E' Cst ℄

PC 8132+42.83

POT 8135+39.54

11910

PT 8136+71.03

PC 8137+56.03

PC 8139+88.42

PT 8140+75.20

PC 64+53.33

37010

PC 8141+52.59

PC 266+71.21

38010

38710 POT 7143+79.91

PT 8146+94.08

PT 270+70.34

PT 72+53.33

TS 73+70.41

PC 8150+79.14

TS 275+36.30

SC 75+45.41

PI 8152+19.71

11911

SC 277+21.30

PT 280+60.52

37017

CS 80+60.52

ST 82+35.52

PT 8158+76.74

TS 8159+67.09

PI 25+99.44

S89°40'08"W

3434

37020 POT 83+75.88

37121 TS 83+75.88

POT 28+49.44 20601

Exst Southern Ave Cst ℄

2649.78'
S0°09'37"W

Mid-Section Line

Begin EB CD-2 Cst ℄ POT Sta 8133+83.97 =
12.00' Rt EB CD-1 Cst ℄ PC Sta 8132+42.83

41411

End EB CD-1 Cst ℄ POC Sta 8141+58.18 =
72.00' Rt Exst I-10 EB-DB Cst ℄ POT Sta 8142+99.26

41322

8135 8140 8145 8150 8155 8160

8135 8140 8145 7145 8150 7150 8155 7155 8160 7160

15 20 25 270 70 75 80 275 280 85 190

29 28 33 32

APPENDIX H

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TRANSPORTATION

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T 602.371.1100
AECOM
www.aecom.com

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

I-10
GEOMETRIC LAYOUT
Sta 8133+00 to Sta 8160+00

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

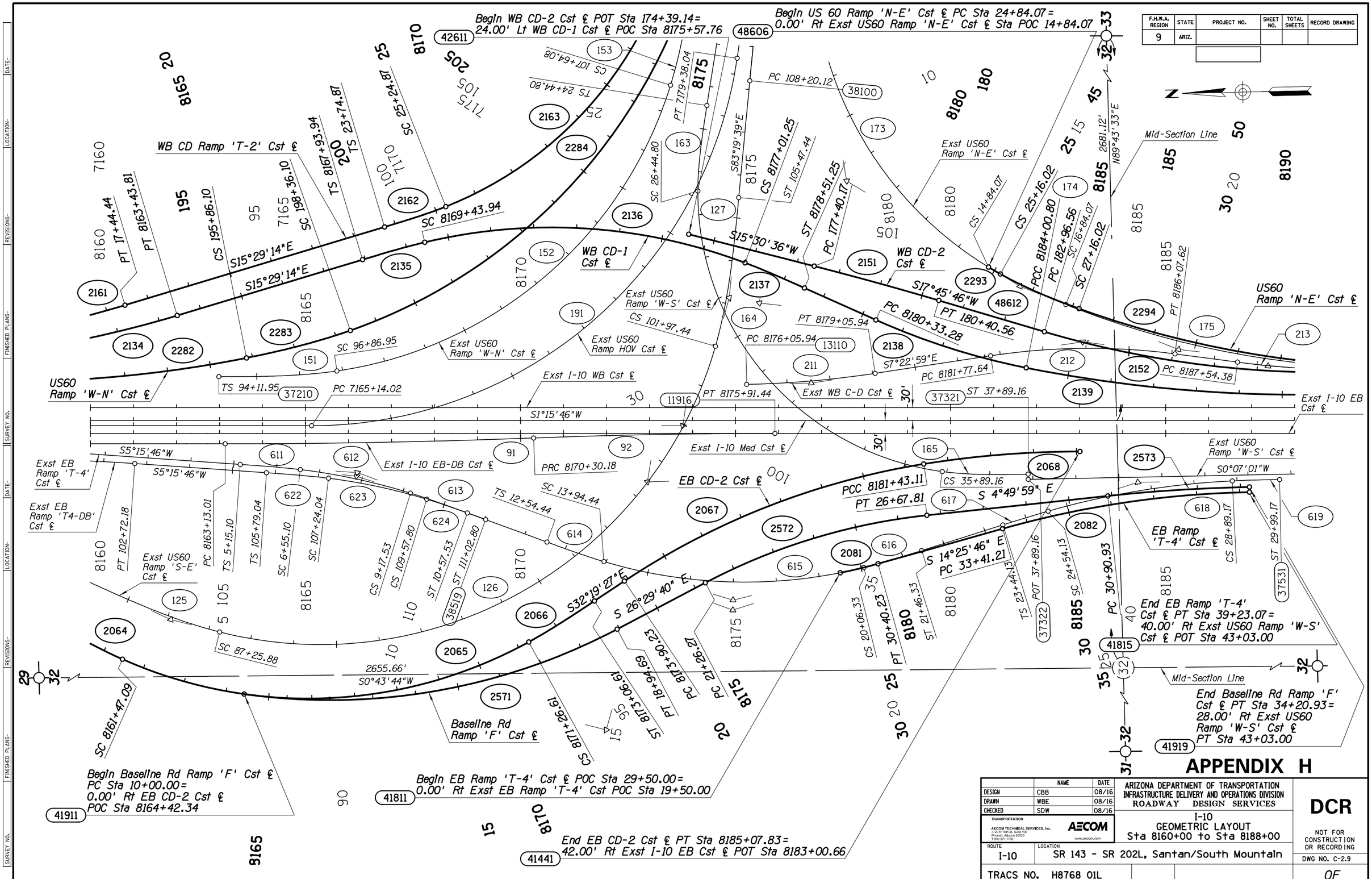
NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.8

___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768g26.dgn

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



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

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

I-10
GEOMETRIC LAYOUT
Sta 8160+00 to Sta 8188+00

ROUTE I-10
LOCATION SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
DWG NO. C-2.9
___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768g27.dgn

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

Begin Baseline Rd Ramp 'A' Cst ℄ PC Sta 11+52.86=
12.00' Lt WB CD-2 Cst ℄ POT Sta 199+19.77
52111

End WB CD-1 Cst ℄ PT Sta 8190+41.71=
30.00' Lt Exst I-10 WB Cst ℄ POT Sta 8188+12.69
42531

End US60 Ramp 'N-E' Cst ℄ PT Sta 35+09.54=
12.00' Lt WB CD-2 Cst ℄ POT Sta 191+63.98
48615

US60 Ramp 'N-E' Cst ℄

PT 22+44.72
PC 8188+97.38
PT 8188+97.38
13010
13118

Exst WB C-D Cst ℄

PT 8196+06.56

WB CD-2 Cst ℄

PC 0+00.00
20410

Baseline Rd Ramp 'A' Cst ℄

PT 15+44.52
PT 3+50.00

PC 206+12.78
PC 8206+12.78

PC 19+52.93
PC 7+36.27
PT 8208+38.71

End Exst Baseline Rd Ramp 'D' Cst ℄ Sta 11+18.75=
0.00' Rt Exst Baseline Rd Cst ℄ Sta 21+91.80
20416

Begin Exst Baseline Rd Ramp 'A' Cst ℄ Sta 0+00.00=
0.00' Rt Exst Baseline Rd Cst ℄ Sta 21+67.80
20110

End Baseline Rd Ramp 'A' Cst ℄ POC Sta 19+69.60=
0.00' Rt Exst Baseline Rd Ramp 'D' Cst ℄ PC Sta 7+36.27
20413

PI 31+44.80
20014

Section Line

Exst Baseline Rd Cst ℄

PI 9+69.60
PI 8210+45.05
10055

PC 8210+84.35
PCC 211+99.35
EQUATION
PI Sta 8210+44.75 Bk = PI Sta 8210+45.34 Ahd
10255

PC 2+95.66

Exst Baseline Rd Ramp 'A' Cst ℄

PT 216+39.62

Exst WB C-D Cst ℄

2011.31'
N89°44'52"E

S 3°37'59" E
S3°22'59"E
S0°07'59"W
S0°15'11"E
S 1°15'46" W
S 0°07'59" W
S1°15'46"W
S0°07'59"W

PT 189+56.56
PC 210+84.35
PT 208+38.71

Exst I-10 WB Cst ℄
Exst I-10 Med Cst ℄
Exst Baseline Rd Ramp 'D' Cst ℄

2152
2294
201
2581
631
2582
632
2153
202
2154
203
2155
651

30'
20

Exst I-10 EB Cst ℄
Exst US60 'W-S' Cst ℄

166
167
641
642
2301
2302
661

S1°15'46"W
S0°07'01"W
S0°15'11"E
S0°15'11"E

S 6°36'07" W

PC 0+00.00
20310
PC 49+64.67
PT 50+79.25
PT 7+46.88
PC 8+91.30
PC 61+08.16
PT 62+60.92
PT 15+18.41
POT 65+09.46
37329
PI Sta 8210+45.34 Bk = PI Sta 8210+44.75 Ahd
10455
PT 76+01.96
PC 76+75.19
549.40'
PC 2+50.00
PT 4+82.65

Exst Baseline Rd Ramp 'C' Cst ℄

Baseline Rd Ramp 'B' Cst ℄

US60 Ramp 'W-S' Cst ℄

Begin Baseline Rd Ramp 'B' Cst ℄ POT Sta 16+48.52=
4.00' Rt Exst Baseline Rd Ramp 'C' Cst ℄ POC 6+48.50
52211

End Baseline Rd Ramp 'B' Cst ℄ POT Sta 19+70.00=
0.00' Rt Exst Baseline Rd Ramp 'C' Cst ℄ POC 9+70.00
52212

End Exst Baseline Rd Ramp 'C' Cst ℄
Sta 17+57.28=
0.00' Rt Exst Baseline Rd Cst ℄
Sta 18+03.80
20316

Begin Exst Baseline Rd Ramp 'B'
Cst ℄ Sta 0+00.00=
0.00' Rt Exst Baseline Rd
Cst ℄ Sta 17+91.80
20210

2654.74'
S0°43'09"W

(32)

Mid-Section Line

Begin US60 Ramp 'W-S' Cst ℄ POC Sta 72+60.92=
0.00' Rt Exst US60 Ramp 'W-S' Cst ℄ PT Sta 62+60.92
37328

End US60 Ramp 'W-S' Cst ℄ PT Sta 80+18.37=
54.00' Rt Exst I-10 EB Cst ℄ POT Sta 8214+07.03
48414

PI 14+50.34
N89°44'53"E
20012

8190 190 195 8195 8200 200 205 8205 8210 10 210 8215 215 5

55 35 15 5 25 45 50 5 55 60 10 15 65 75 32 80

N

APPENDIX H

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

I-10
GEOMETRIC LAYOUT
Sta 8188+00 to Sta 8216+00

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

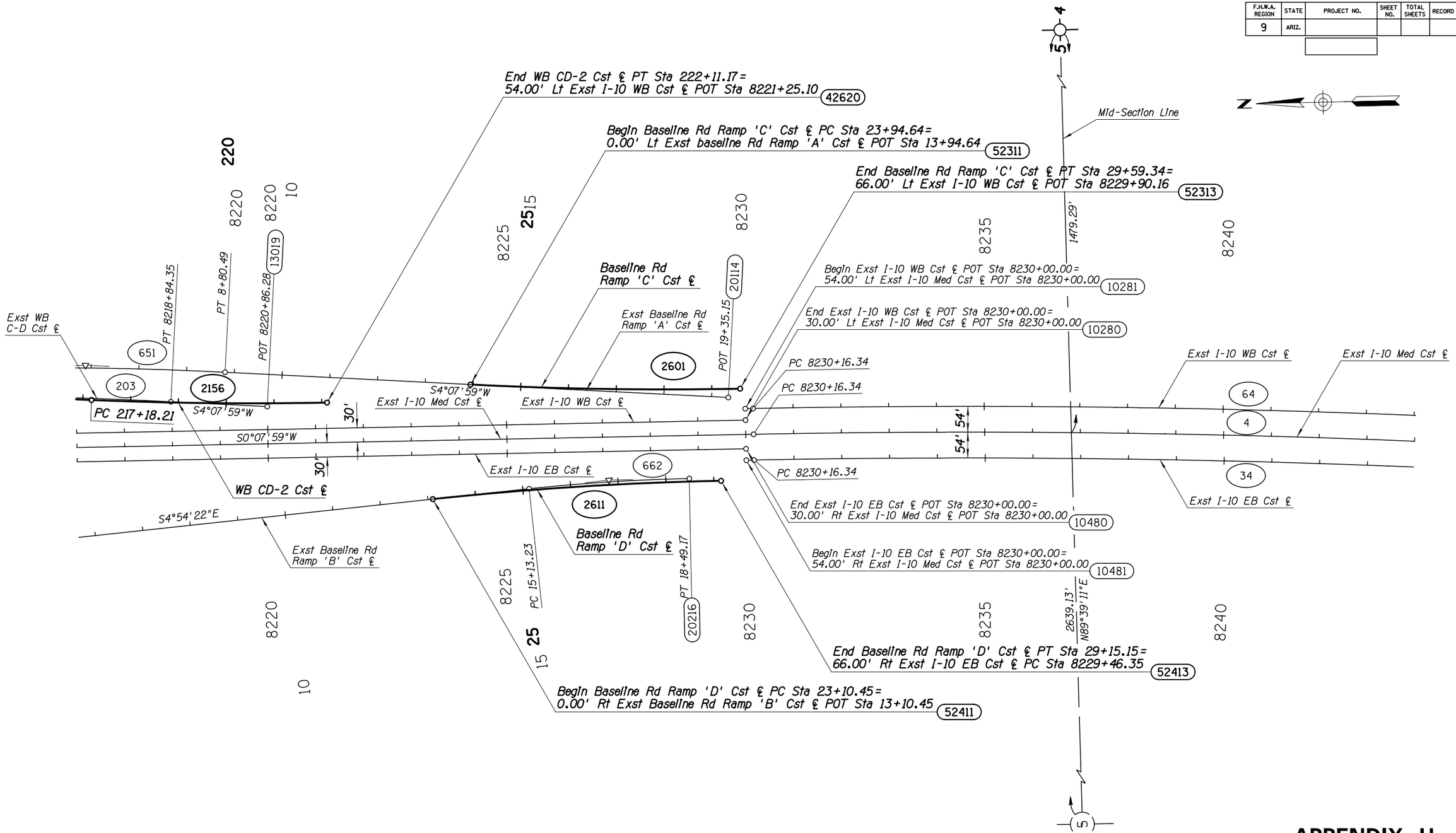
DWG NO. C-2.10

___ OF ___

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

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768g28.dgn

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



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www.aecom.com

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

I-10
GEOMETRIC LAYOUT
Sta 8216+00 to Sta 8244+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

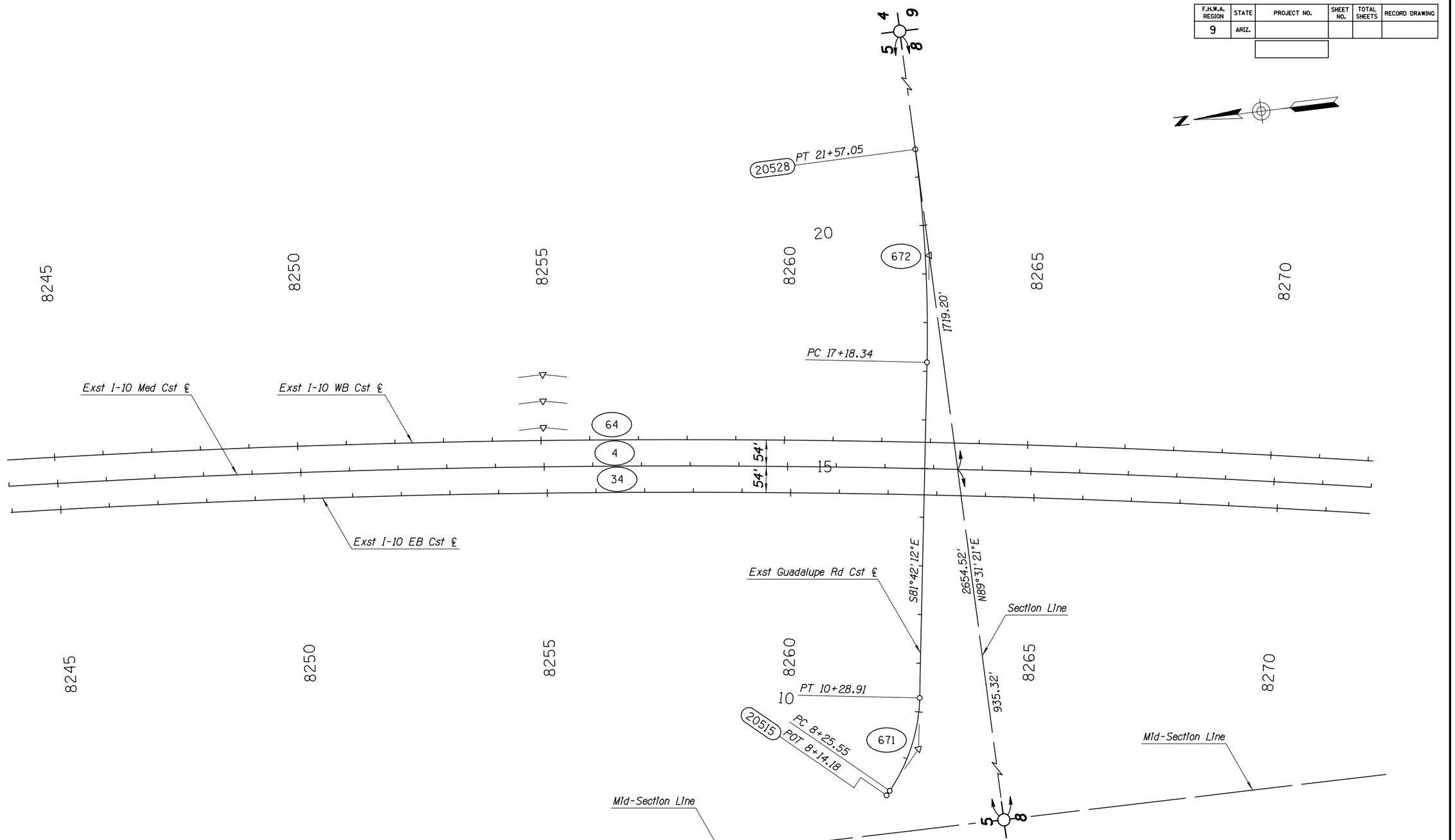
DWG NO. C-2.11

TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768g29.dgn

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



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

I-10
GEOMETRIC LAYOUT
Sta 8244+00 to Sta 8272+00

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.12

___ OF ___

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

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768g30.dgn

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

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

8

2252.96'
N89°27'54"E

Mid-Section Line

N

8275 8280 8285 8290 8295 8300

EQUATION
PT Sta 8279+93.60 Bk =
PT Sta 8279+81.90 Ahd

PT 8279+81.90

Exst I-10 WB Cst ℄

PC 8289+63.66

PC 8289+63.66

64
4
34

54'
54'

65
5
35

S12°32'49"W

Exst I-10 Med Cst ℄

Exst I-10 EB Cst ℄

PC 8289+63.66

392.92'

S 11°50'21" W

701

Exst Elliot Rd
Ramp 'C' Cst ℄

Elliot Rd
Ramp 'B' Cst ℄

21320 PC 0+00.00

Begin Elliot Rd Ramp 'B' Cst ℄ POT Sta 3+66.67 =
30.00' Rt Exst I-10 EB Cst ℄ POC Sta 8292+47.51

53211

EQUATION
PT Sta 8279+70.20 Bk =
PT Sta 8279+81.90 Ahd

8275 8280 8285 8290 8295 8300

8

5

10

2661.33'
S0°11'34"E

Mid-Section Line

APPENDIX H

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

I-10
GEOMETRIC LAYOUT
Sta 8272+00 to Sta 8300+00

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

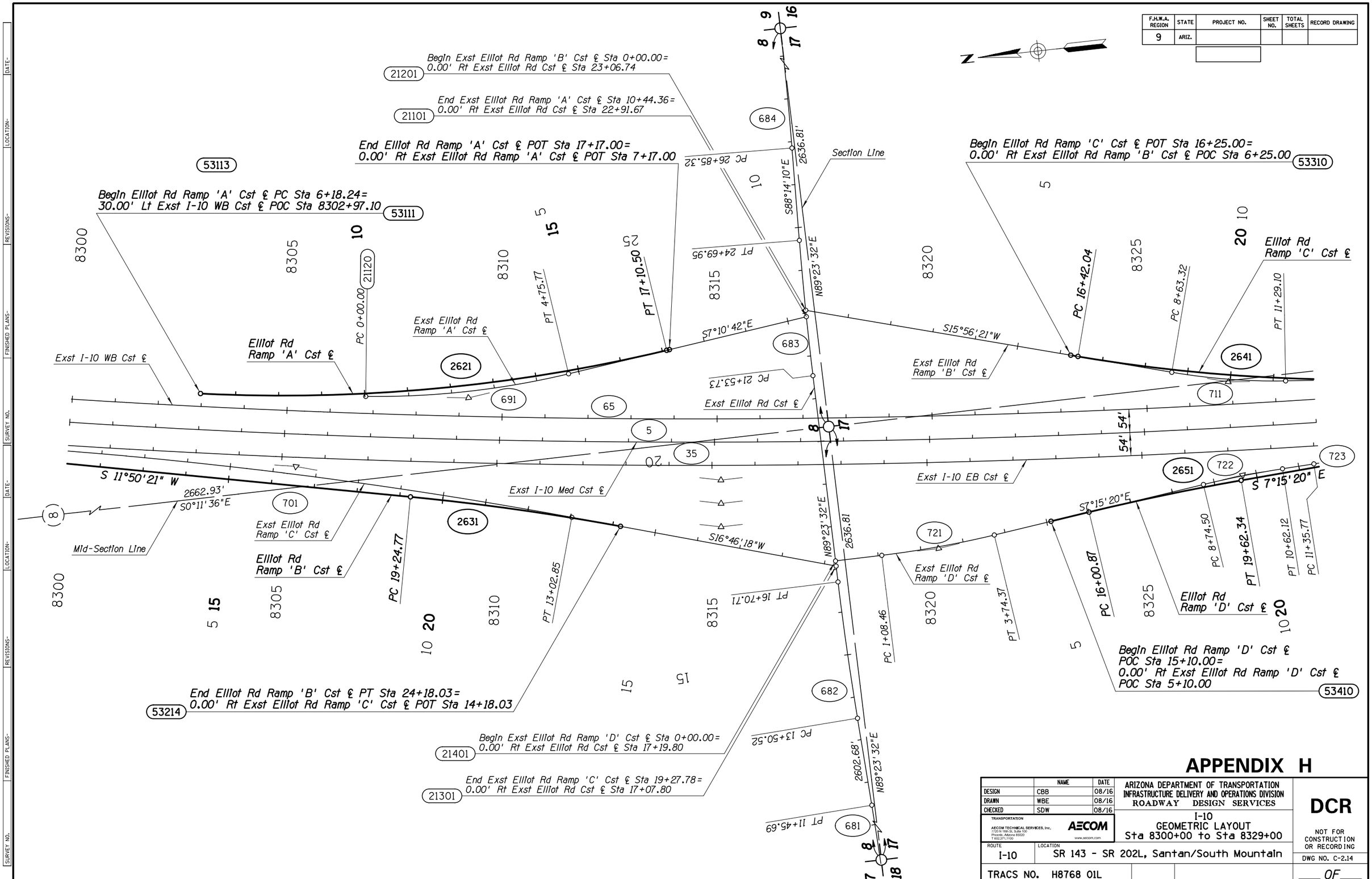
NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.13

___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768g31.dgn

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



APPENDIX H

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DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

I-10
GEOMETRIC LAYOUT
Sta 8300+00 to Sta 8329+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

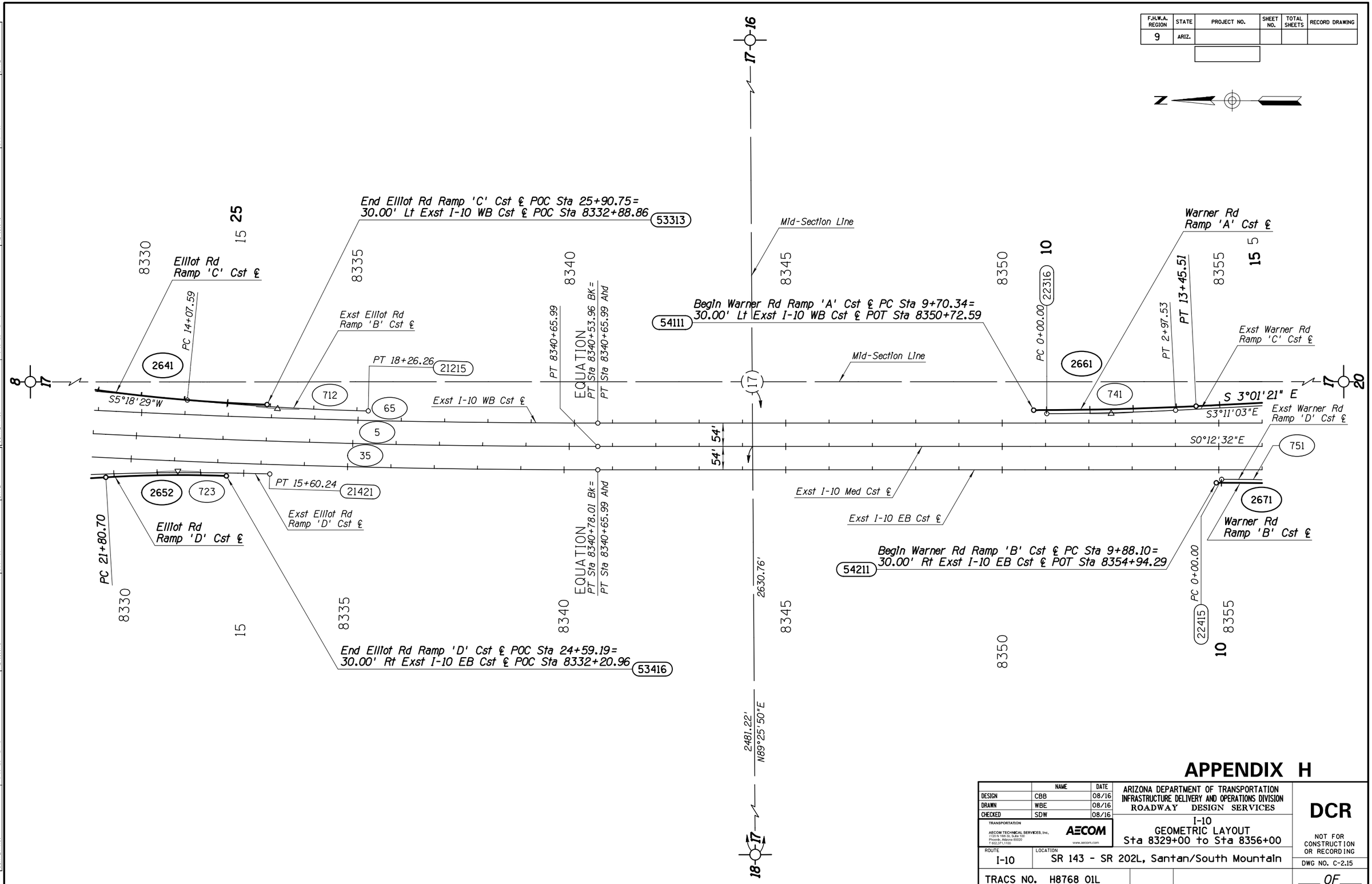
DWG NO. C-2.14

TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768g32.dgn

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



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

I-10
GEOMETRIC LAYOUT
Sta 8329+00 to Sta 8356+00

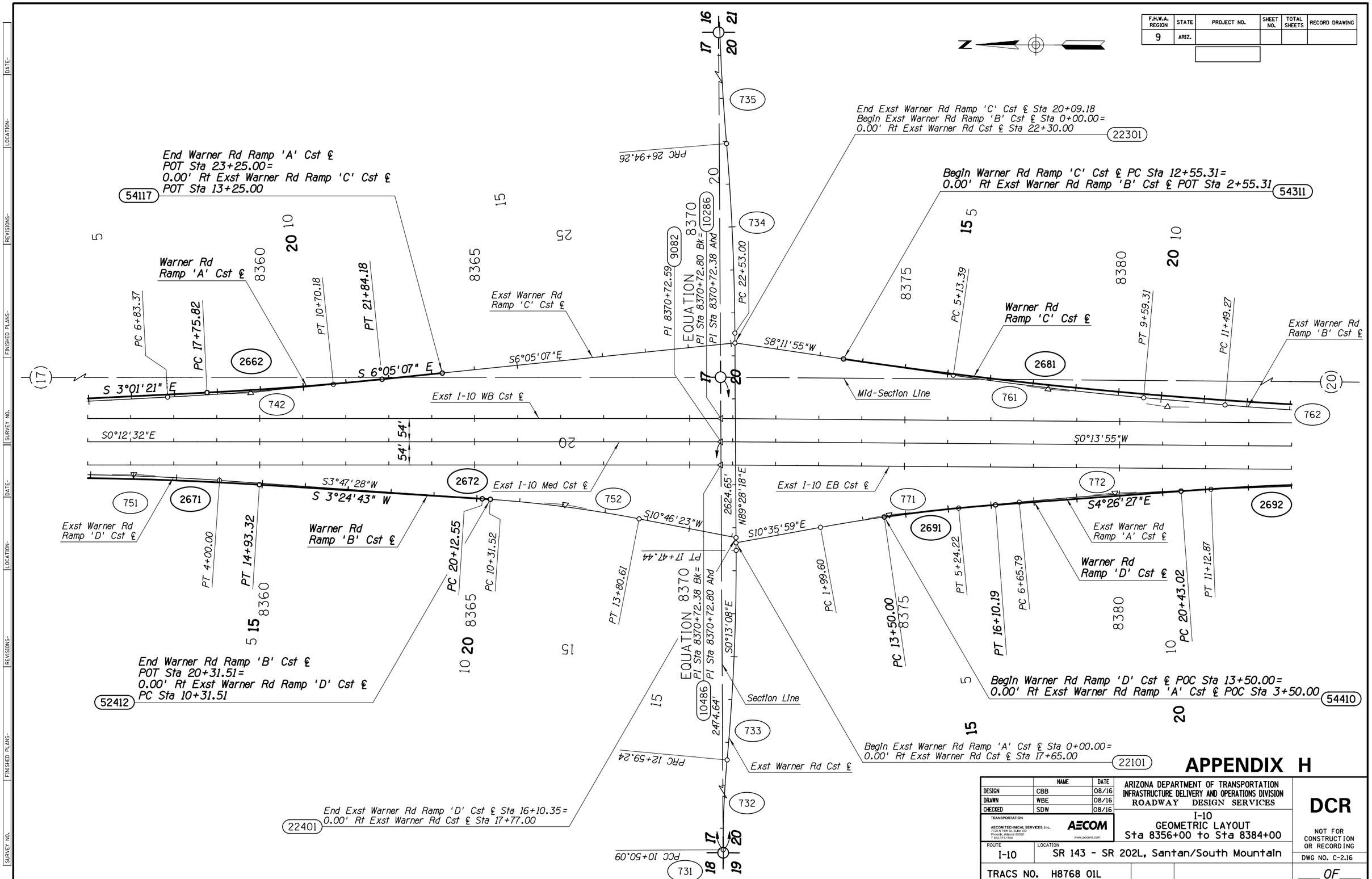
ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
DWG NO. C-2.15
___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768g33.dgn

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



APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
7720 N 16th St, Suite 100
Phoenix, Arizona 85020
T 602.371.1100
AECOM
www.aecom.com

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

I-10
GEOMETRIC LAYOUT
Sta 8356+00 to Sta 8384+00

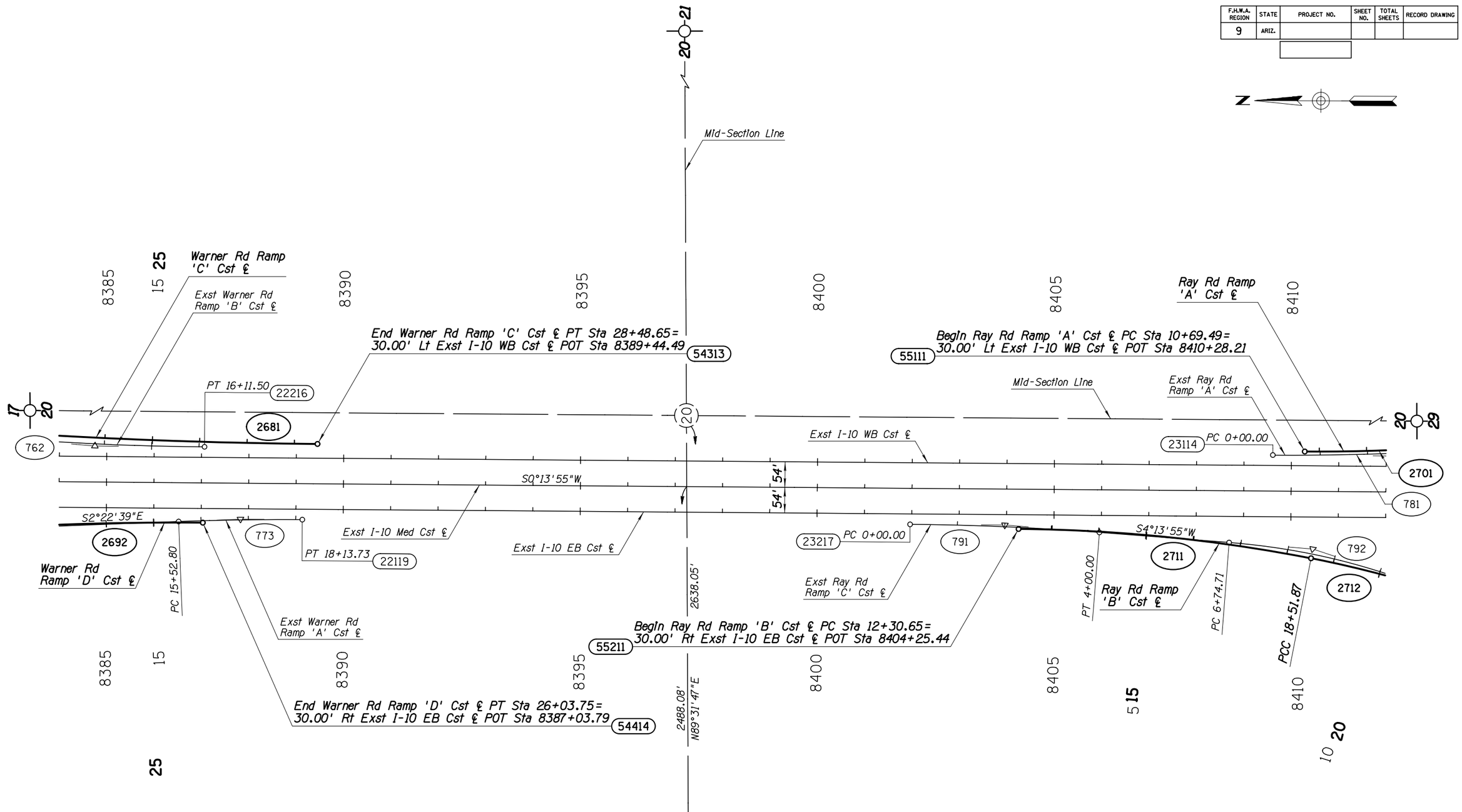
ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
DWG NO. C-2.16
___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768g34.dgn

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



APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

I-10
GEOMETRIC LAYOUT
Sta 8384+00 to Sta 8412+00

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

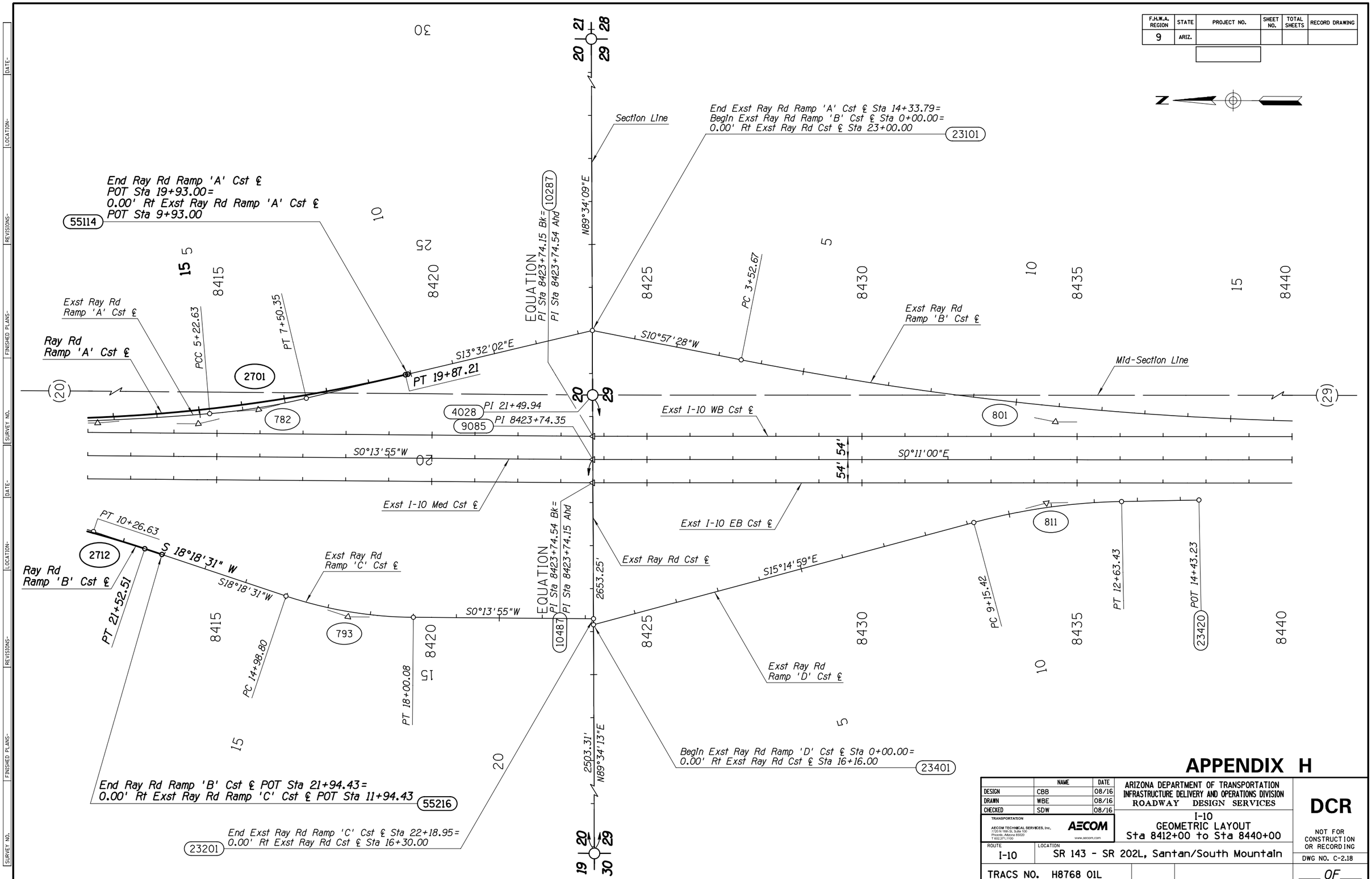
NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-2.17

___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768g35.dgn

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



APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

I-10
GEOMETRIC LAYOUT
Sta 8412+00 to Sta 8440+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

DWG NO. C-2.18

TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768g36.dgn

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

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

N

29-28

Mid-Section Line

8440 | 8445 | 10 | 8450 | 15 | 8455 | 20 | 8460 | 25 | 8465 | 80 | 30

Exst Ray Rd Ramp 'B' Cst ℄

PT 18+37.65 (23304)

Exst I-10 WB Cst ℄

POT 10+00.00 (24120)

Mid-Section Line

Exst Chandler Blvd Ramp 'A' Cst ℄

POT 83+39.02

PC 26+63.31

PT 80+02.77

Exst SR202L Ramp 'W-N' Cst ℄

20-29 | 29-32

801

(29)

831

S1°19'45"E

N0°11'00"W

S0°11'00"E

54'

54'

Exst I-10 Med Cst ℄

Exst I-10 EB Cst ℄

2647.76

2497.79'

N89°38'00"E

POT 10+00.00 (24220)

S3°49'00"W

Exst Chandler Blvd Ramp 'B' Cst ℄

841

PC 10+00.00

PC 18+96.58

Exst SR202L Ramp 'S-E' Cst ℄

8440 | 8445 | 8450 | 8455 | 8460 | 8465 | 15 | 10 | 20

30-29

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

I-10
GEOMETRIC LAYOUT
Sta 8440+00 to Sta 8468+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10

LOCATION: SR 143 - SR 202L, Santan/South Mountain

DWG NO. C-2.19

TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768g37.dgn

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

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

PRC 10+95.26

821

Exst Chandler Blvd Cst ℄

End Exst Chandler Blvd Ramp 'A' Cst ℄ Sta 39+24.19=
0.00' Rt Exst Chandler Blvd Cst ℄ PT Sta 17+18.96

24101

Section Line

822

Exst Chandler Blvd
Ramp 'A' Cst ℄

PT 37+25.09

Exst I-10 WB Cst ℄

831

POT 8476+78.40

10288

PI 8476+78.40

9086

PC 64+63.78

Exst SR202L
Ramp W-N Cst ℄

N5°41'40"W

POT 54+60.01

Mid-Section Line

S0°11'00"E

S0°00'43"E

54'

54'

Exst I-10 Med Cst ℄

Exst I-10 EB Cst ℄

841

S3°49'00"W

S6°19'00"W

S89°49'00"W

Exst Chandler Blvd
Ramp 'B' Cst ℄

PT 23+96.58

PT 15+93.41

PC 22+72.00

POT 8476+78.40

10488

Exst SR202L
Ramp S-E Cst ℄

POT 35+96.57

2642.41'

2492.41'

N89°41'08"E

823

End Exst Chandler Blvd Ramp 'B' Cst ℄ Sta 29+69.44=
0.00' Rt Exst Chandler Blvd Cst ℄ Sta 22+61.14

24201

PRC 28+97.40

824

8470 8475 8480 8485 8490 8495

15 20 25 30 35

(29) (32)

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

I-10
GEOMETRIC LAYOUT
Sta 8468+00 to Sta 8496+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10

LOCATION: SR 143 - SR 202L, Santan/South Mountain

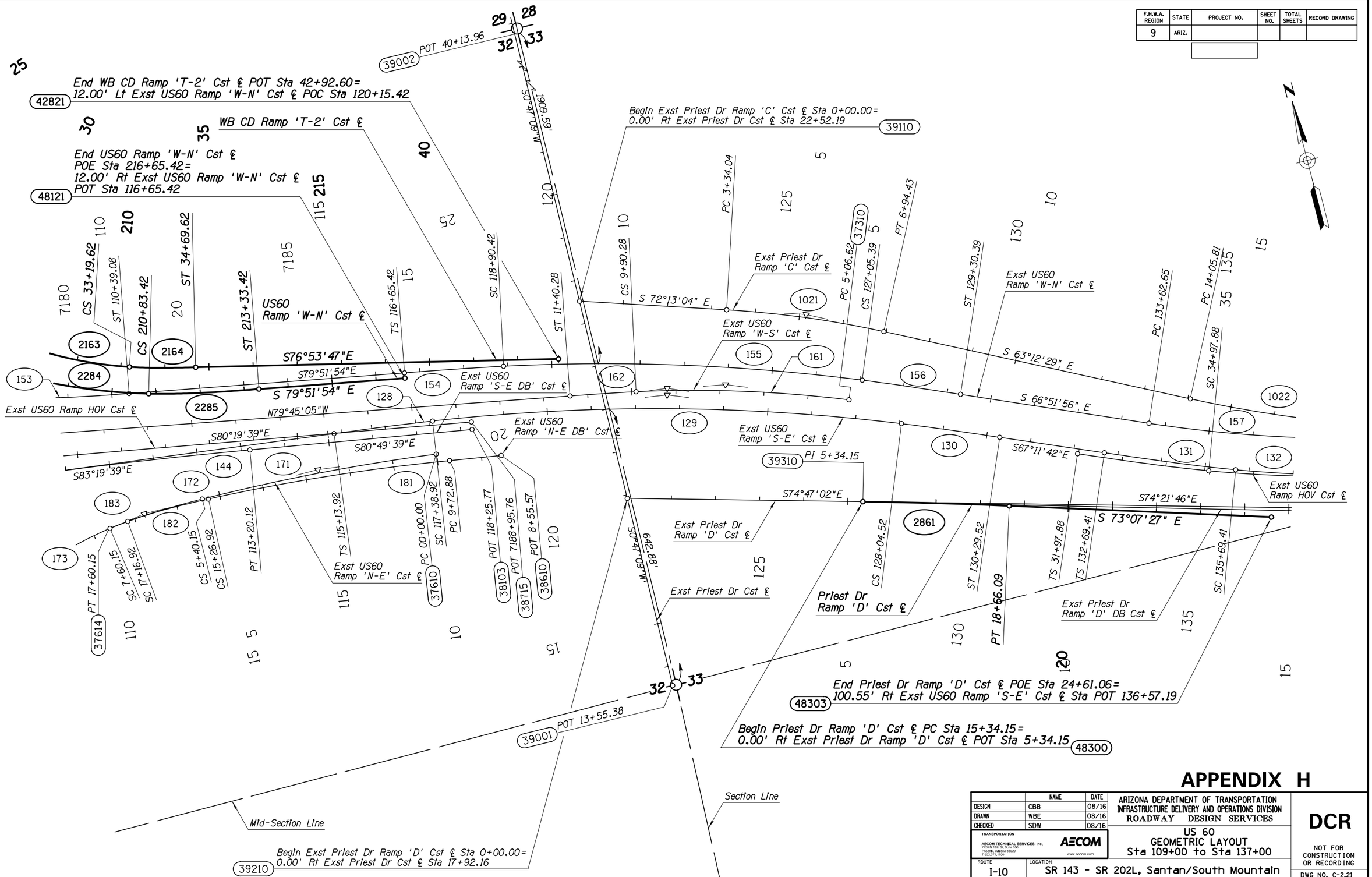
DWG NO. C-2.20

TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768g38.dgn

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



APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

US 60
GEOMETRIC LAYOUT
Sta 109+00 to Sta 137+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

DWG NO. C-2.21

TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768g39.dgn

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

28
133

N

2658.20'
N1°22'20"E

Exst Priest Dr
Ramp 'D' DB Cst ℄

Exst Priest Dr
Ramp 'D' Cst ℄

Exst Priest Dr
Ramp 'C' Cst ℄

PCC 18+94.13

PT 21+43.91

39119

Exst US60
Ramp W-N Cst ℄

1022

1023

CS 43+35.82

PT 145+54.70

ST 46+35.82

POE 147+37.66

37227

Mid-Section Line

157

132

133

33

S89°56'58"E

2633.13'
S89°54'25"E

Exst US60 Med Cst ℄

Mid-Section Line

Exst US60
Ramp HOV Cst ℄

Exst US60
Ramp S-E Cst ℄

CS 144+07.73

ST 147+07.73

POT 147+67.74

37142

POT 47+58.06

POT 15+36.54

39311

POT 15+47.00

39212

15

140

145

2656.44'
N1°19'05"E

33
4

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768g40.dgn

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
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CHECKED	SDW	08/16

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

US 60
GEOMETRIC LAYOUT
Sta 137+00 to Sta 65+00

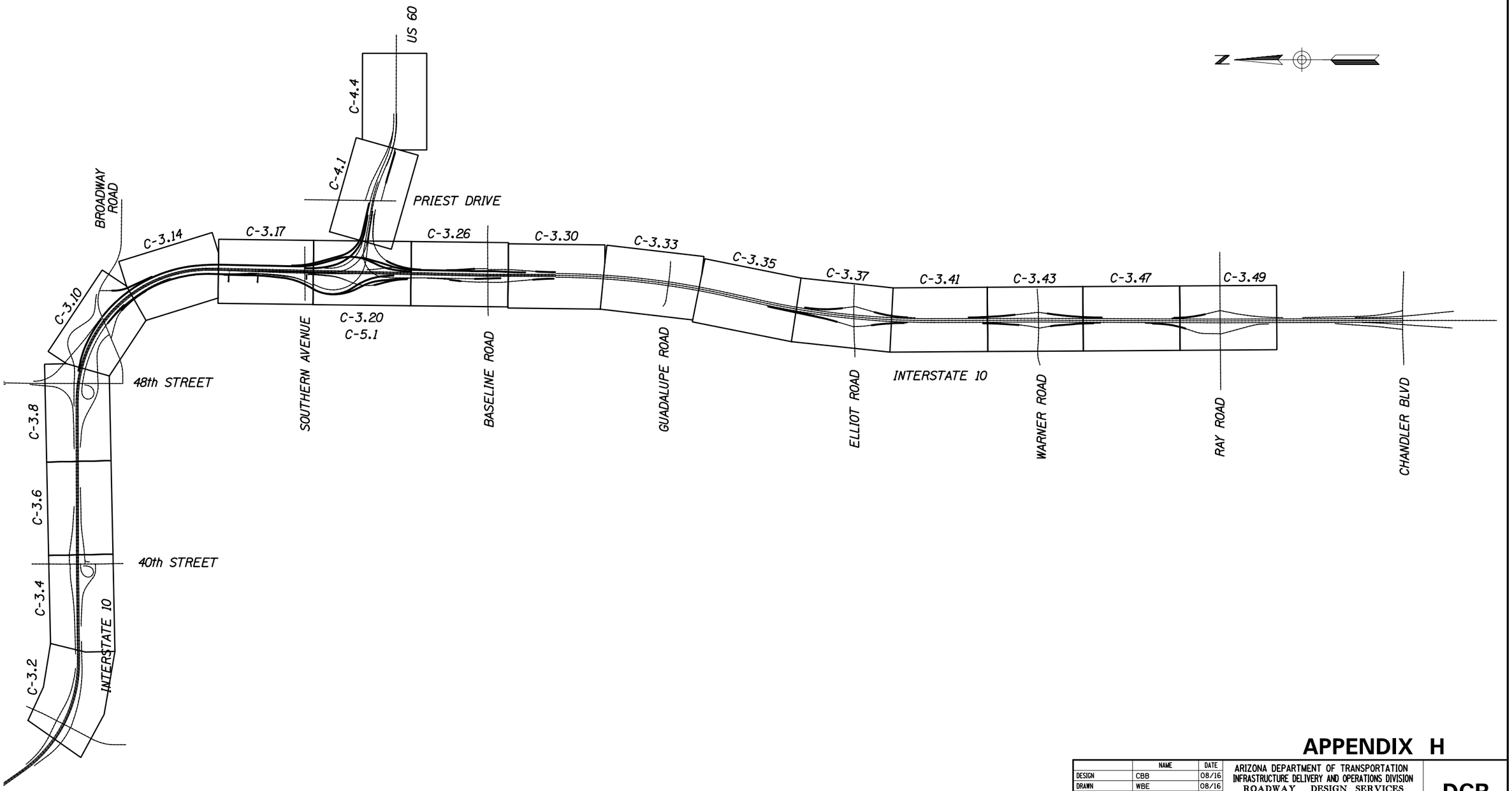
DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO. C-2.22
I-10	SR 143 - SR 202L, Santan/South Mountain	
TRACS NO. H8768 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.				



APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

PLAN SHEET KEY MAP

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-3.1

ROUTE I-10

LOCATION SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

____ OF ____

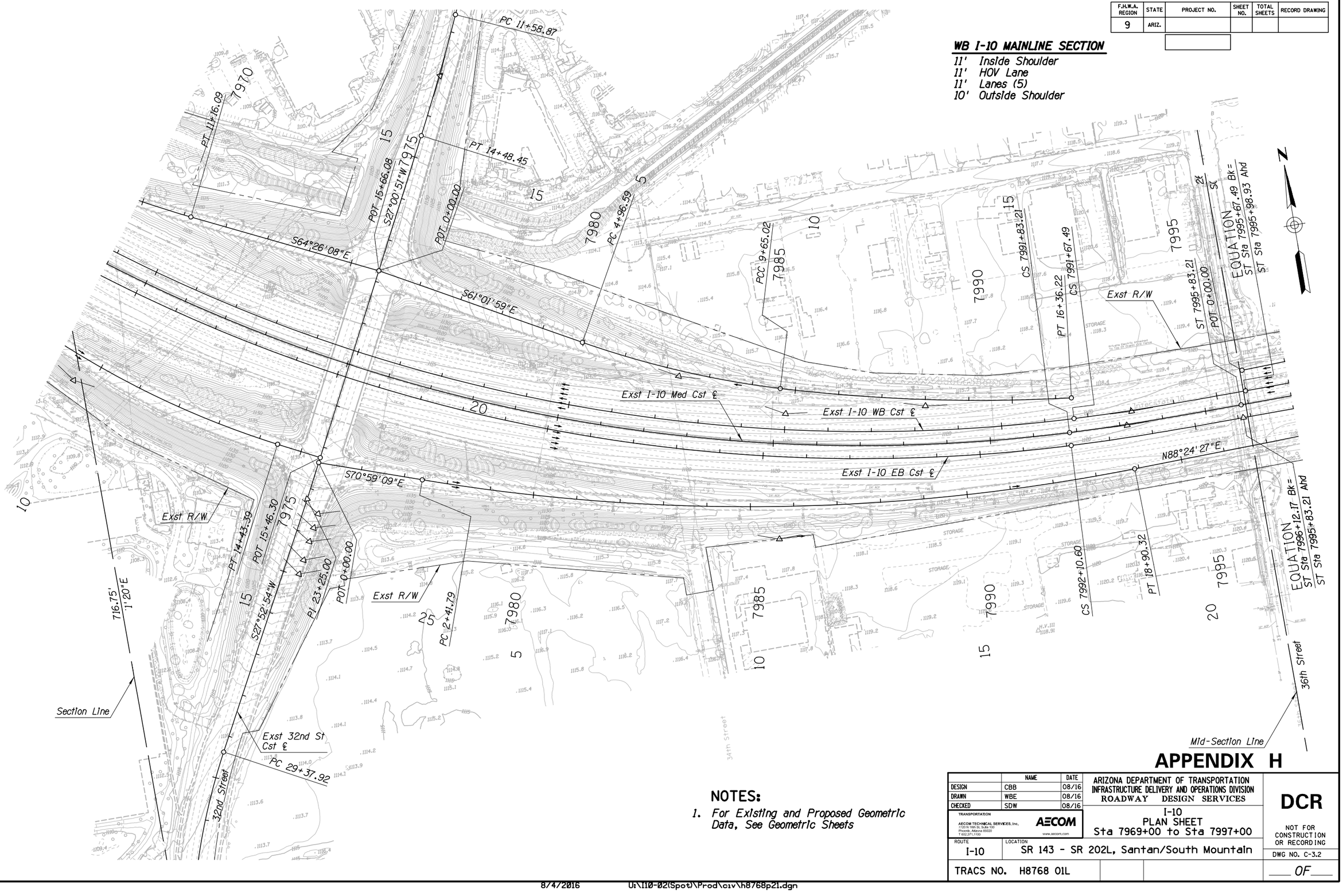
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768p20.dgn

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

WB I-10 MAINLINE SECTION

11' Inside Shoulder
11' HOV Lane
11' Lanes (5)
10' Outside Shoulder



APPENDIX H

NOTES:

1. *For Existing and Proposed Geometric Data, See Geometric Sheets*

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

I-10
PLAN SHEET
Sta 7969+00 to Sta 7997+00

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-3.2

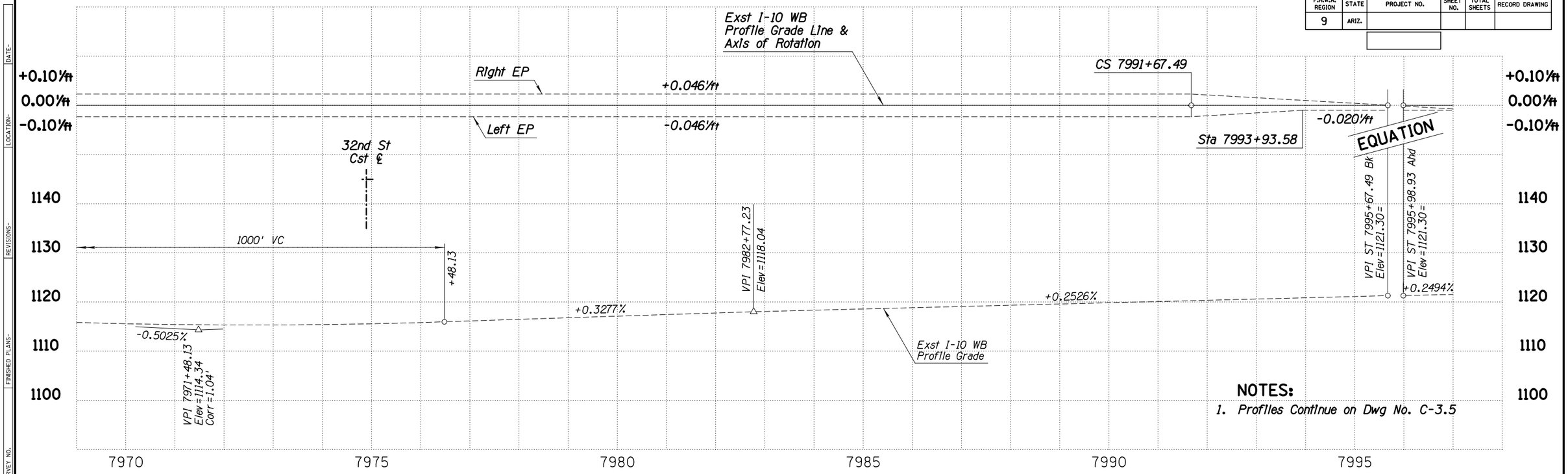
___ OF ___

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

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768p21.dgn

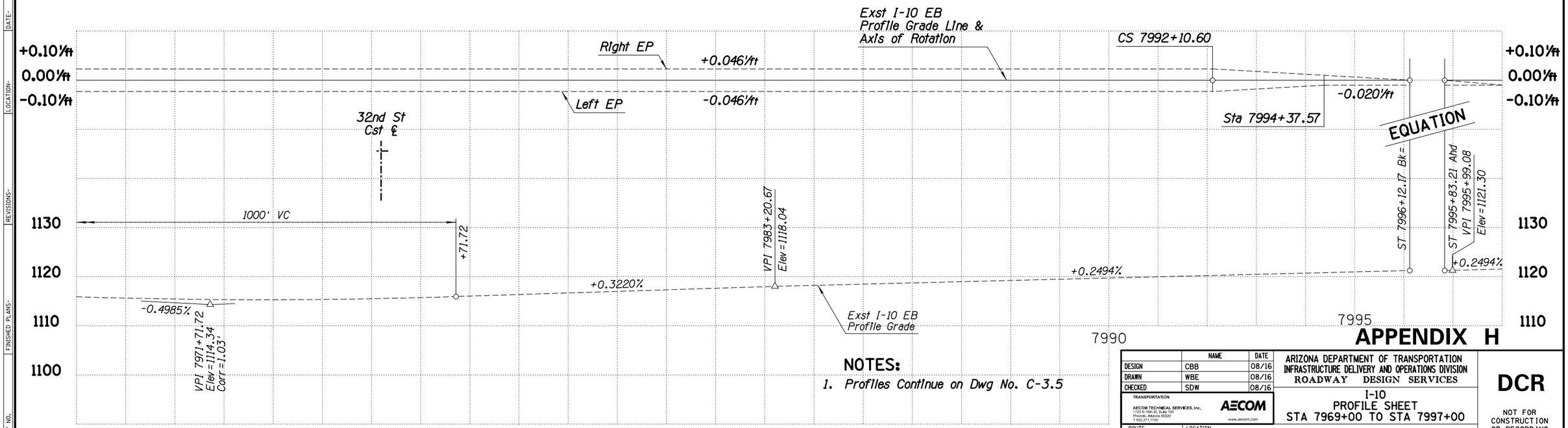
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

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



NOTES:

1. Profiles Continue on Dwg No. C-3.5



NOTES:

1. Profiles Continue on Dwg No. C-3.5

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

I-10
PROFILE SHEET
STA 7969+00 TO STA 7997+00

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-3.3

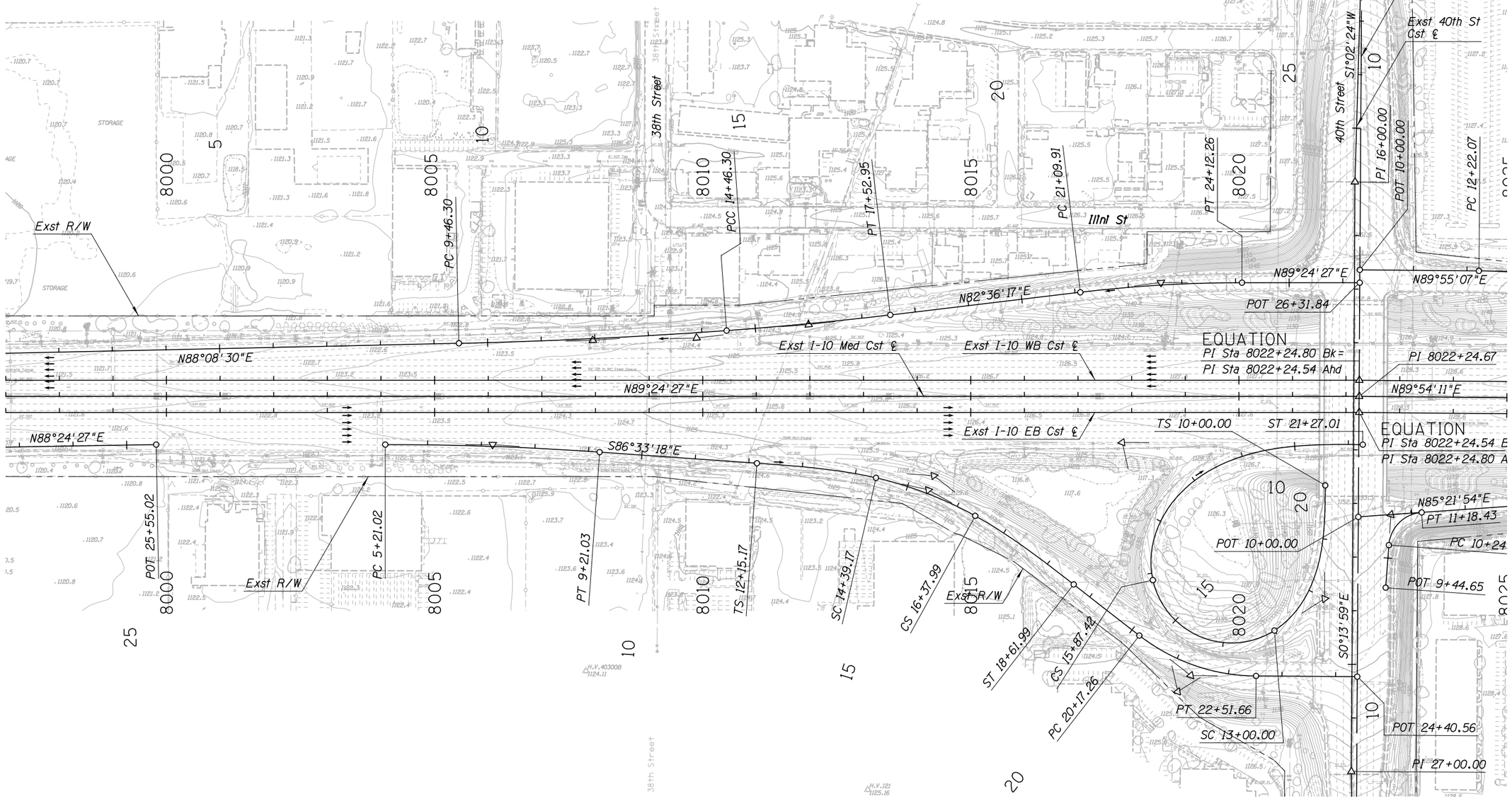
___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v10.dgn

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

WB I-10 MAINLINE SECTION
11' Inside Shoulder
11' HOV Lane
11' Lanes (4)
10' Outside Shoulder

WB I-10 MAINLINE SECTION
11' Inside Shoulder
11' HOV Lane
11' Lanes (5)
10' Outside Shoulder



APPENDIX H

NOTES:

1. *For Existing and Proposed Geometric Data, See Geometric Sheets*

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

I-10
PLAN SHEET
Sta 7997+00 to Sta 8025+00

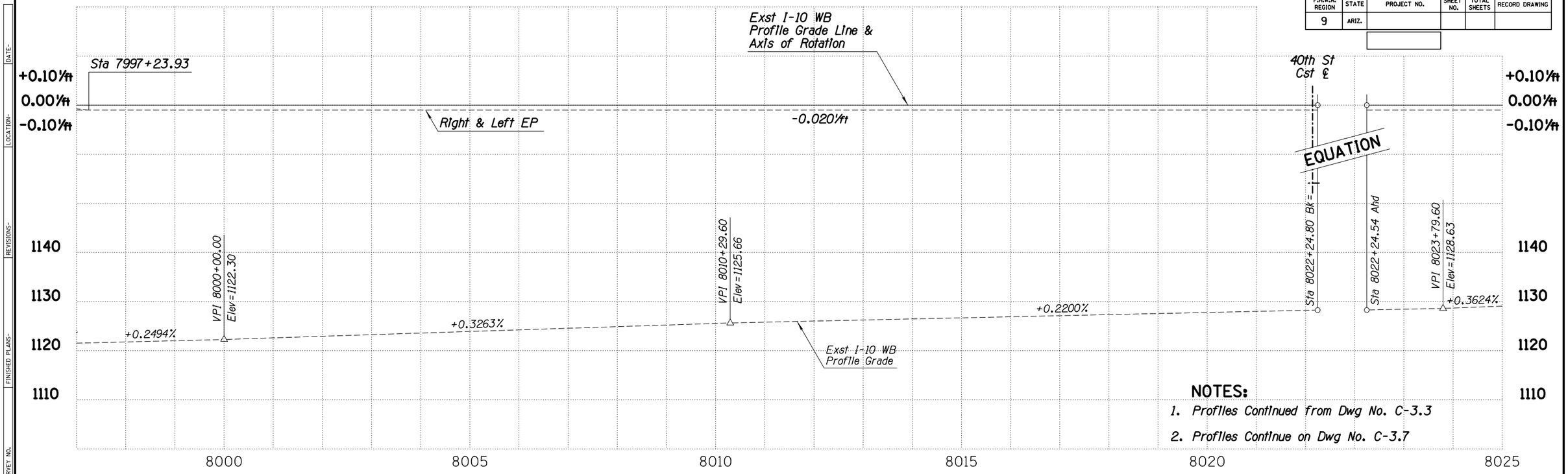
DCR
NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-3.4
TRACS NO. H8768 01L
___ OF ___

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

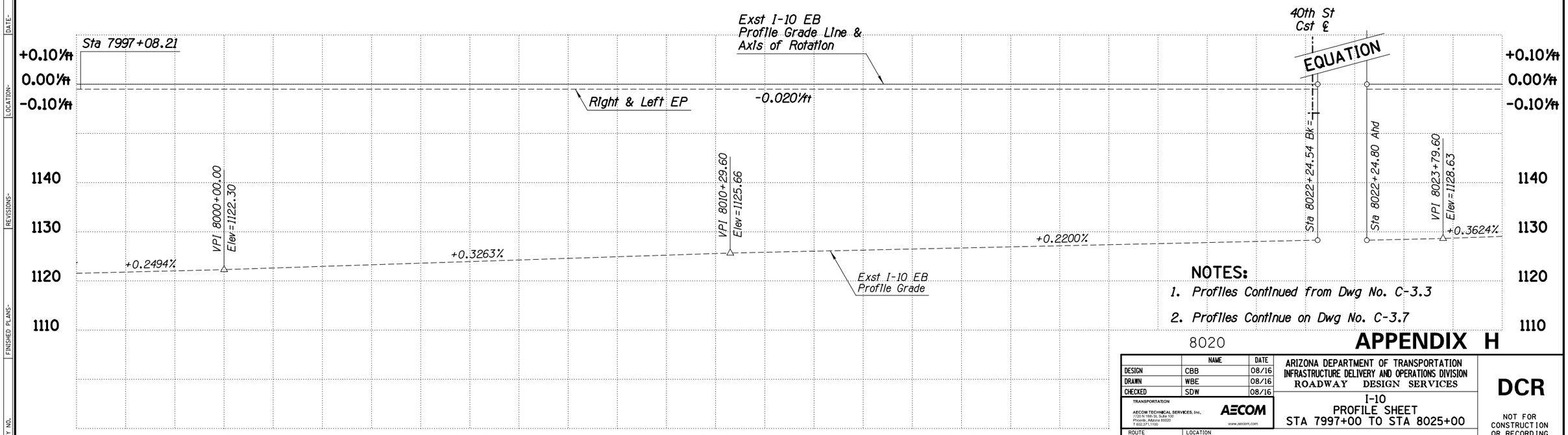
8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768p22.dgn

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



NOTES:

1. *Profiles Continued from Dwg No. C-3.3*
2. *Profiles Continue on Dwg No. C-3.7*



NOTES:

1. *Profiles Continued from Dwg No. C-3.3*
2. *Profiles Continue on Dwg No. C-3.7*

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
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ARIZONA DEPARTMENT OF TRANSPORTATION
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ROADWAY DESIGN SERVICES

I-10
PROFILE SHEET
STA 7997+00 TO STA 8025+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

DWG NO. C-3.5

TRACS NO. H8768 01L

___ OF ___

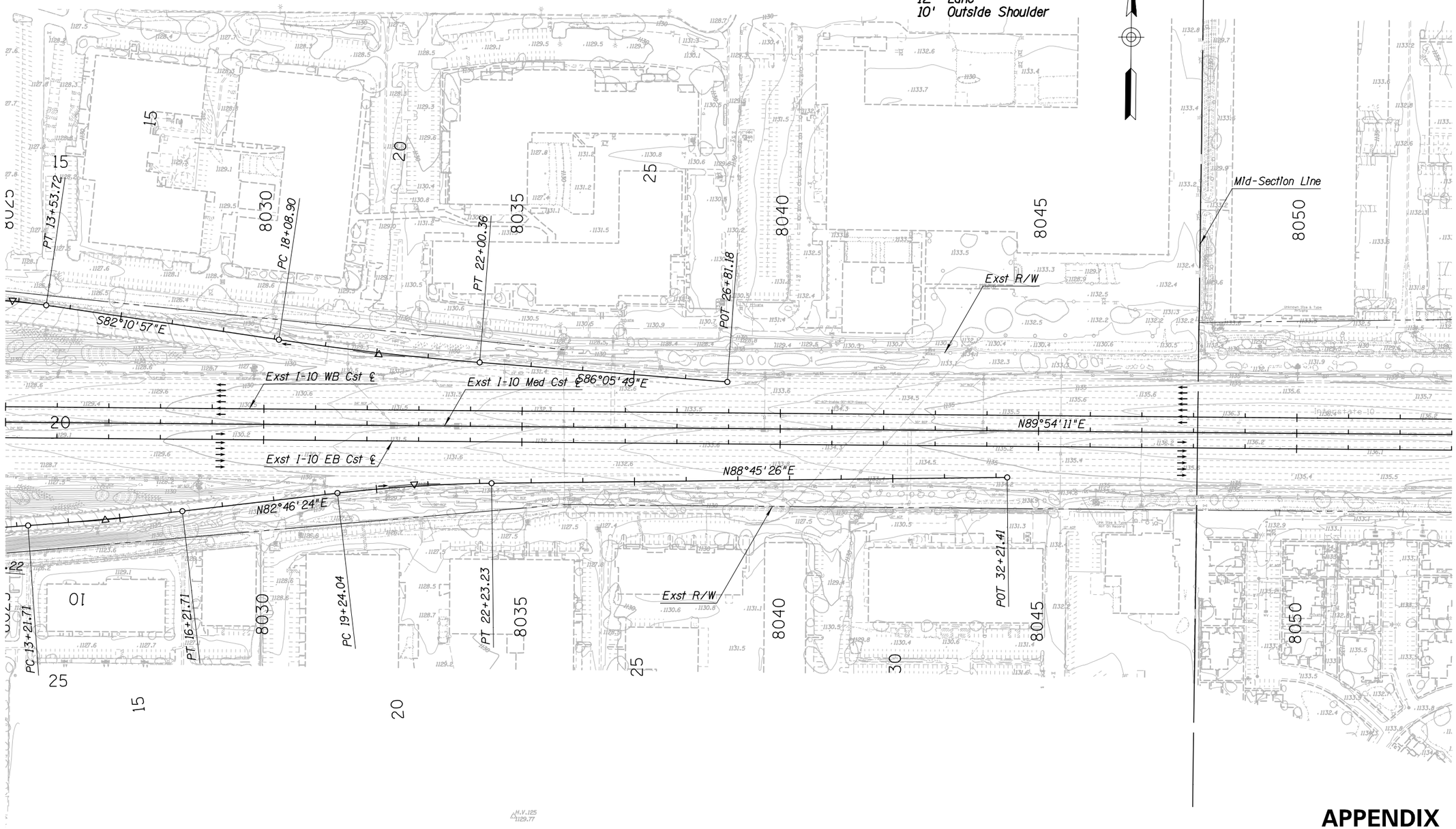
8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v11.dgn

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

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

WB I-10 MAINLINE SECTION
11' Inside Shoulder
11' HOV Lane
11' Lanes (5)
10' Outside Shoulder

WB I-10 MAINLINE SECTION
11' Inside Shoulder
11' HOV Lane
11' Lanes (5)
12' Lane
10' Outside Shoulder



APPENDIX H

NOTES:

1. *For Existing and Proposed Geometric Data, See Geometric Sheets*

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

I-10
PLAN SHEET
Sta 8025+00 to Sta 8053+00

DCR

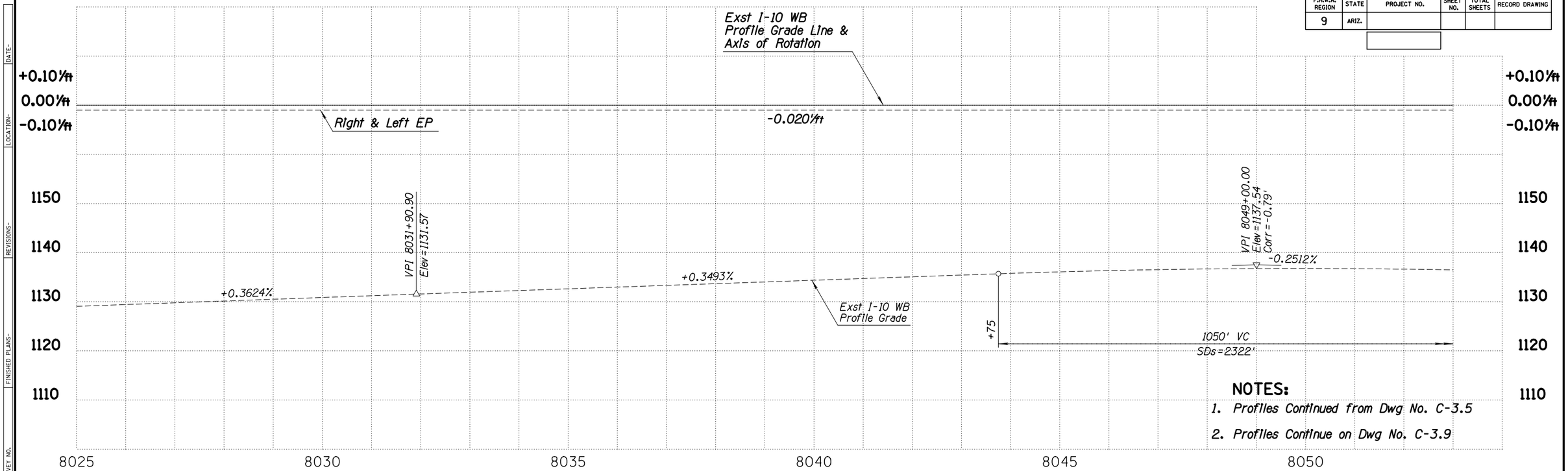
NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-3.6
TRACS NO. H8768 01L
___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768p23-good.dgn

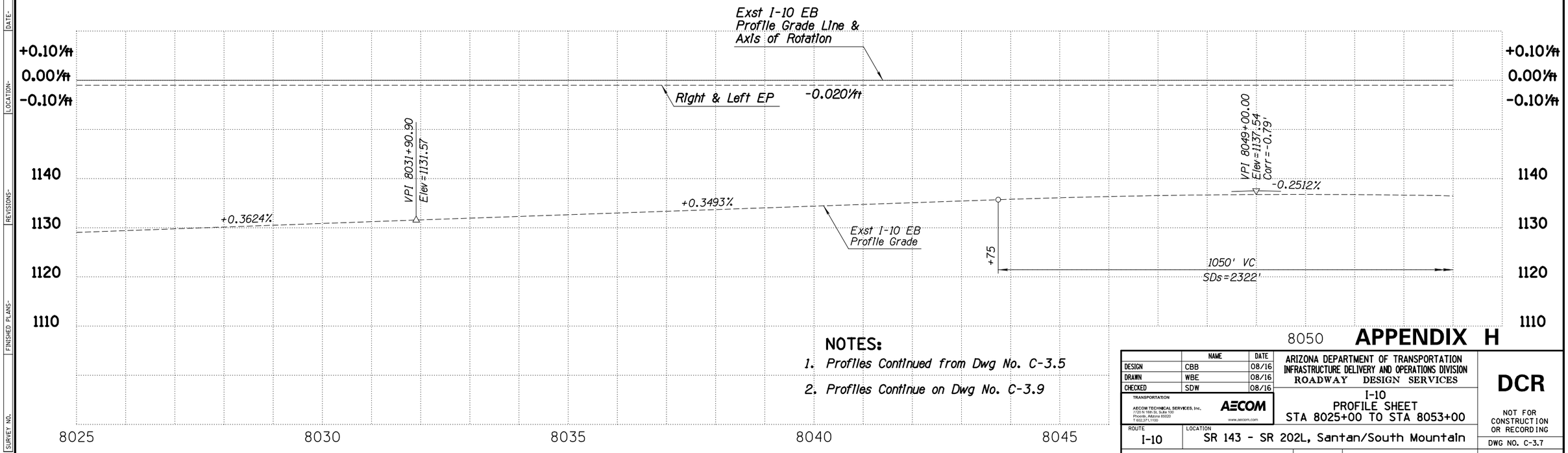
SURVEY NO. | FINISHED PLANS | REVISIONS | LOCATION | DATE

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



NOTES:

1. Profiles Continued from Dwg No. C-3.5
2. Profiles Continue on Dwg No. C-3.9



NOTES:

1. Profiles Continued from Dwg No. C-3.5
2. Profiles Continue on Dwg No. C-3.9

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

I-10
PROFILE SHEET
STA 8025+00 TO STA 8053+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR 202L, Santan/South Mountain	C-3.7

TRACS NO. H8768 01L ____ OF ____

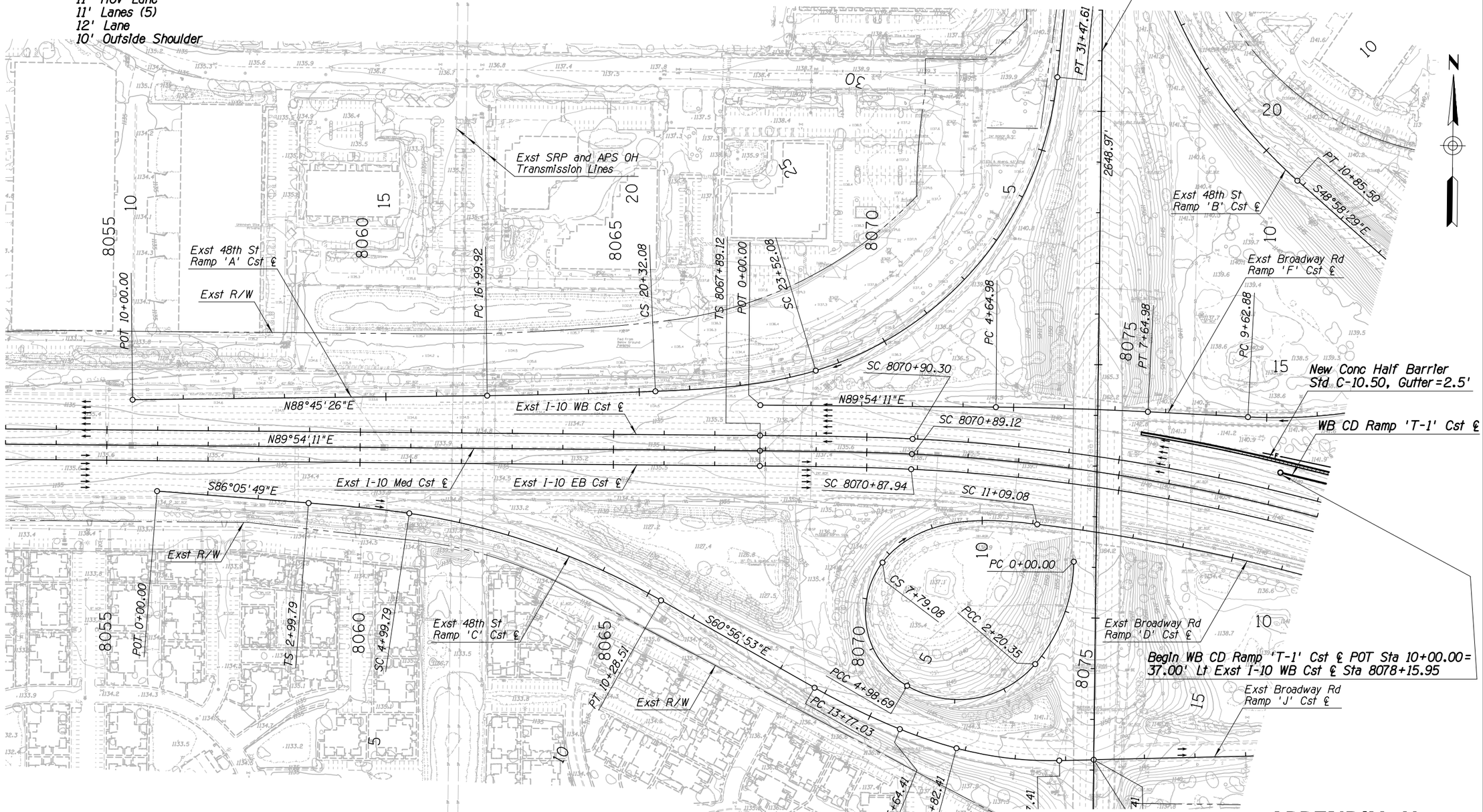
8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v12.dgn

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

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

WB I-10 MAINLINE SECTION (WEST OF 48TH STREET)

11' Inside Shoulder
11' HOV Lane
11' Lanes (5)
12' Lane
10' Outside Shoulder



NOTES:

1. For Existing and Proposed Geometric Data, See Geometric Sheets
2. For New Drainage System Concept, See Drainage Plans

EXST EB I-10 MAINLINE SECTION (NEAR 48TH STREET)

12' Inside Shoulder
12' HOV Lane
4' HOV Buffer
12' Lanes (4)
12' Outside Shoulder

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

I-10
PLAN SHEET
Sta 8053+00 to Sta 8079+00

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

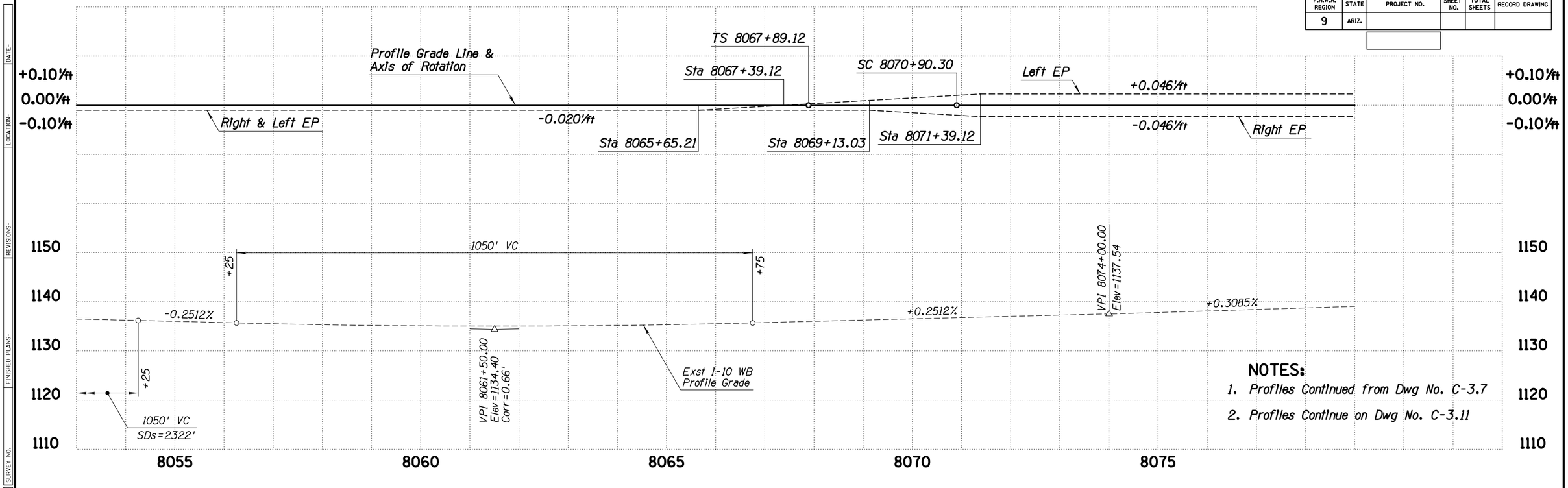
DWG NO. C-3.8

___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768p01.dgn

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

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



NOTES:

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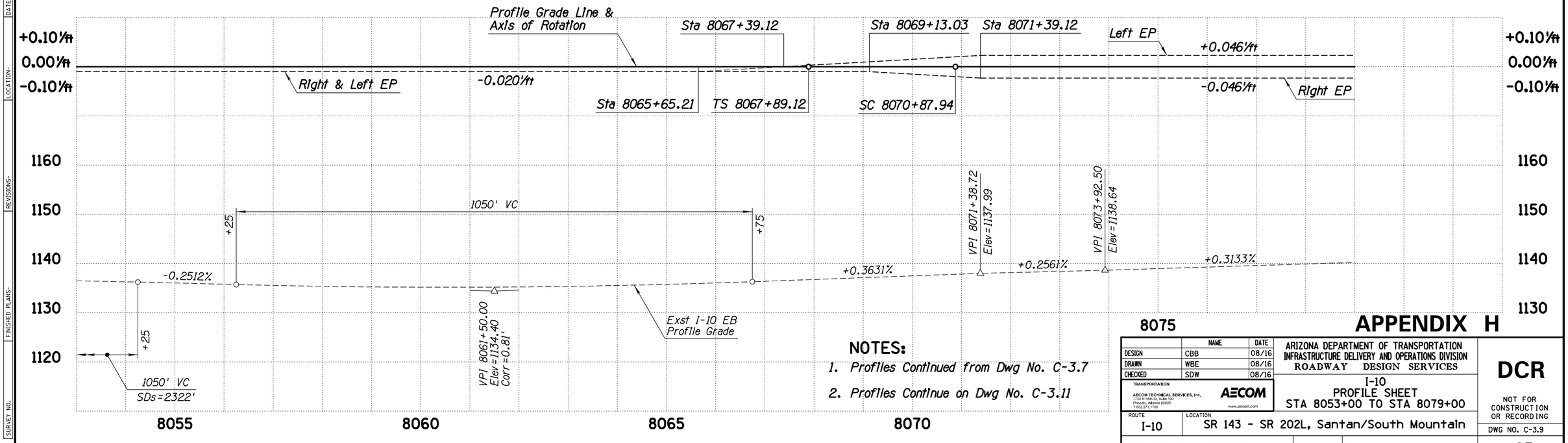
2. Profiles Continue on Dwg No. C-3.11



NOTES:

1. Profiles Continued from Dwg No. C-3.7
2. Profiles Continue on Dwg No. C-3.11

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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I-10
PROFILE SHEET
STA 8053+00 TO STA 8079+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR 202L, Santan/South Mountain	C-3.9

TRACS NO. H8768 01L ____ OF ____

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v33.dgn

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

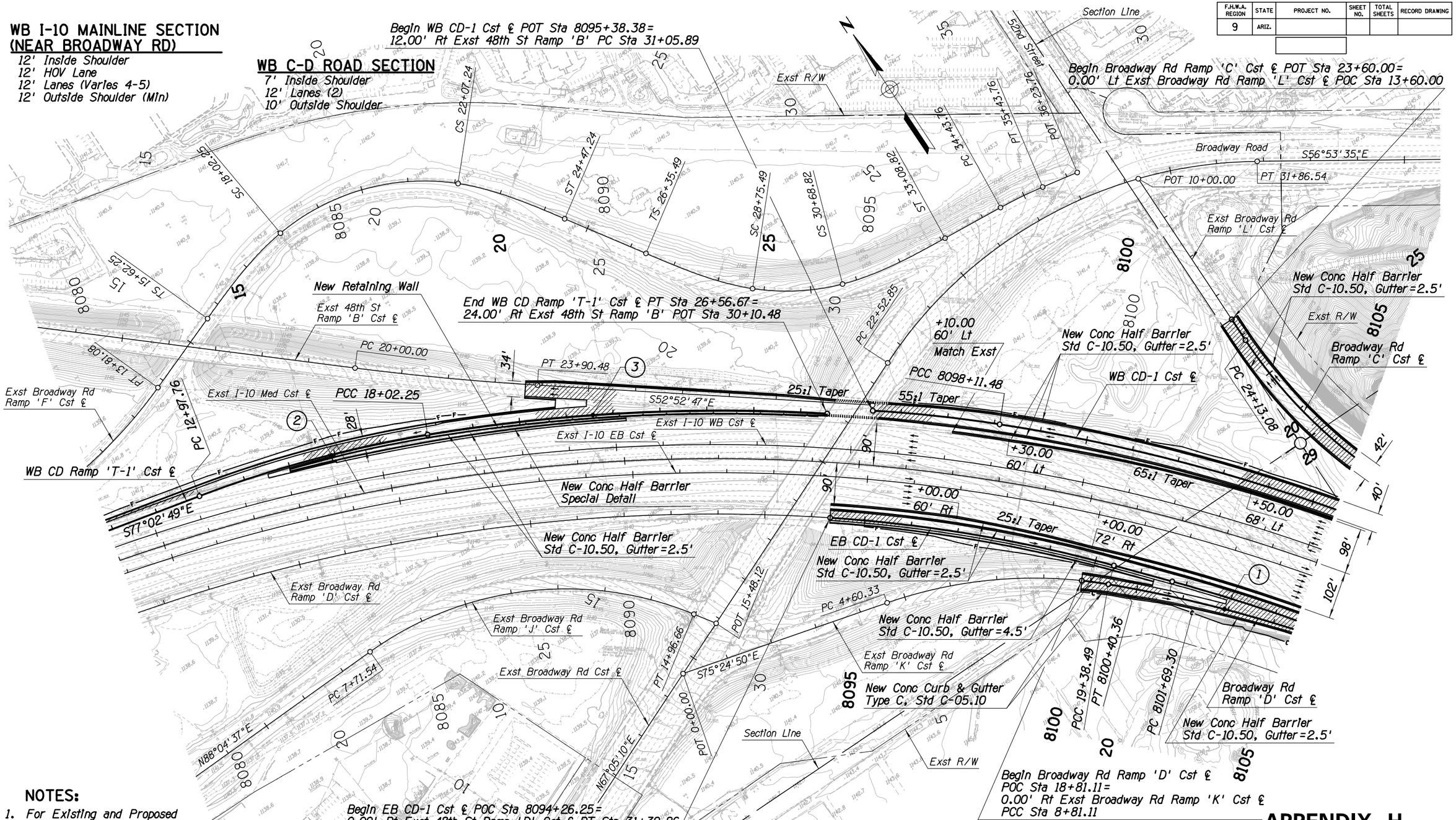
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

WB I-10 MAINLINE SECTION (NEAR BROADWAY RD)

12' Inside Shoulder
12' HOV Lane
12' Lanes (Varies 4-5)
12' Outside Shoulder (Min)

WB C-D ROAD SECTION

7' Inside Shoulder
12' Lanes (2)
10' Outside Shoulder



NOTES:

1. For Existing and Proposed Geometric Data, See Geometric Sheets
2. For New Drainage System Concept, See Drainage Plans
3. For Nose of Gore Control Point (X) See Dwg No C-1.19

EXST EB I-10 MAINLINE SECTION (NEAR BROADWAY RD)

12' Inside Shoulder
12' HOV Lane
4' HOV Buffer
12' Lanes (4)
13' Outside Shoulder

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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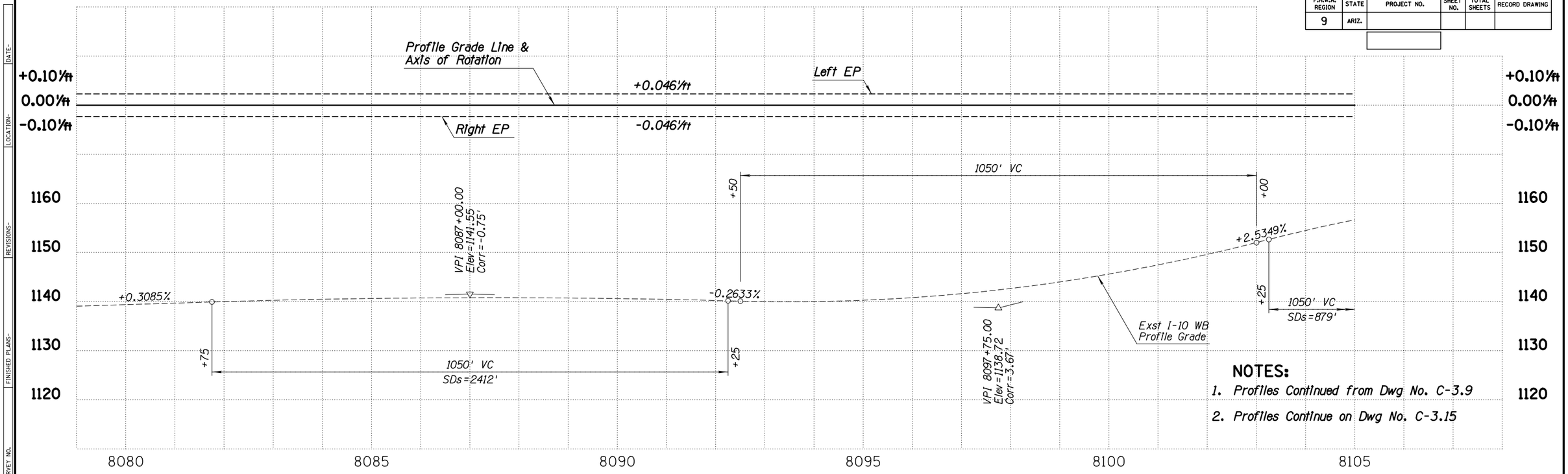
I-10
PLAN SHEET
Sta 8079+00 to Sta 8105+00

DCR
NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-3.10
TRACS NO. H8768 01L
___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768p02-good.dgn

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



NOTES:

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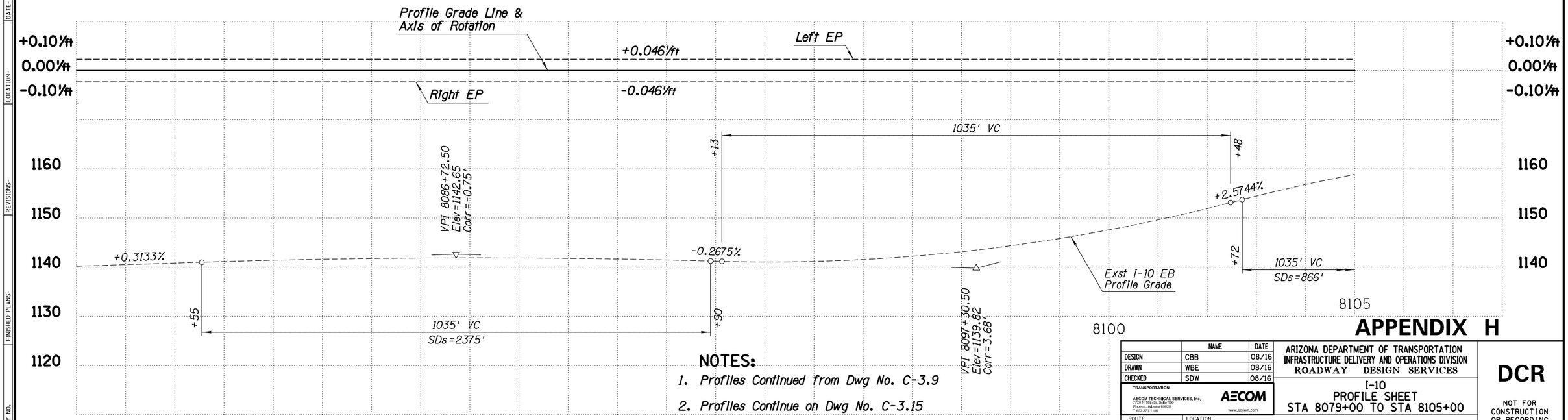
2. Profiles Continue on Dwg No. C-3.15



NOTES:

1. Profiles Continued from Dwg No. C-3.9
2. Profiles Continue on Dwg No. C-3.15

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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ROADWAY DESIGN SERVICES

I-10
PROFILE SHEET
STA 8079+00 TO STA 8105+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-3.11

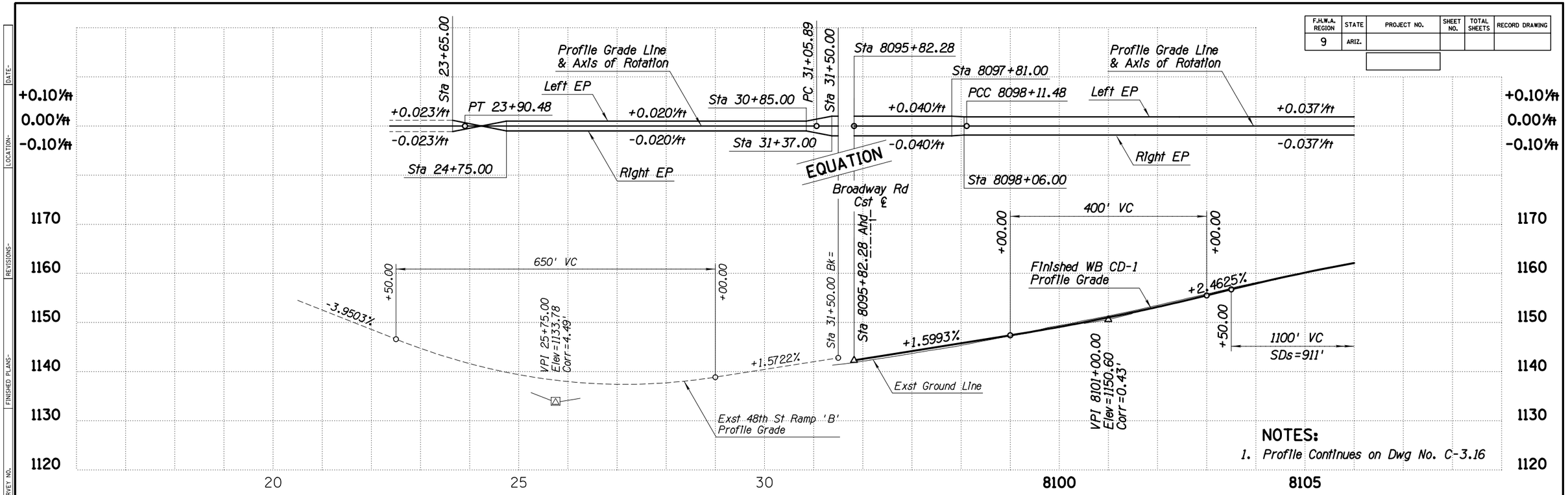
TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v35.dgn

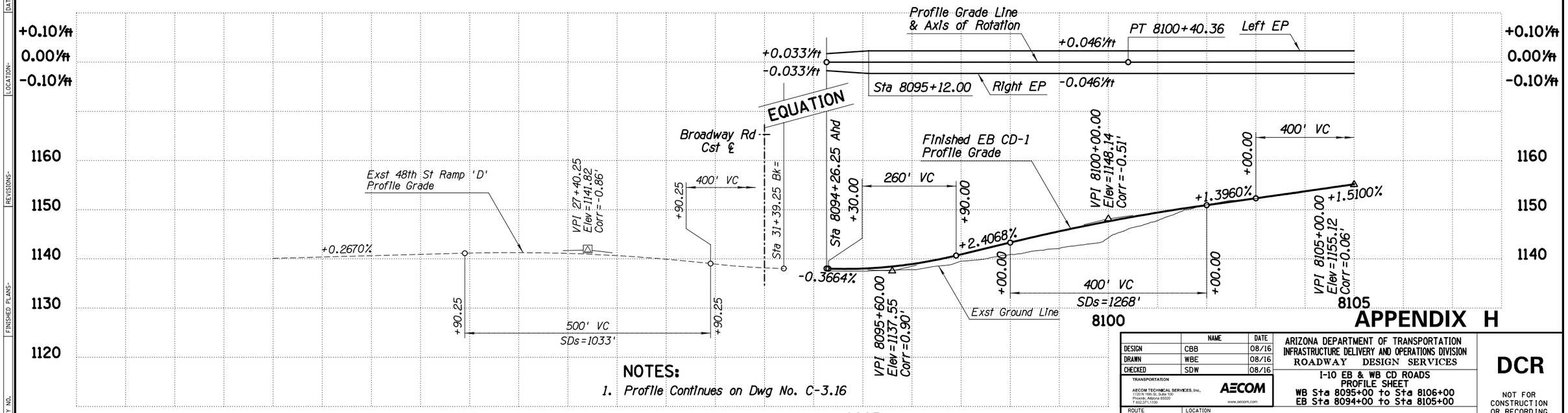
DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

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



NOTES:

1. Profile Continues on Dwg No. C-3.16



NOTES:

1. Profile Continues on Dwg No. C-3.16

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

I-10 EB & WB CD ROADS
PROFILE SHEET
WB Sta 8095+00 to Sta 8106+00
EB Sta 8094+00 to Sta 8105+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
I-10	SR 143 - SR 202L, Santan/South Mountain

DWG NO. C-3.12

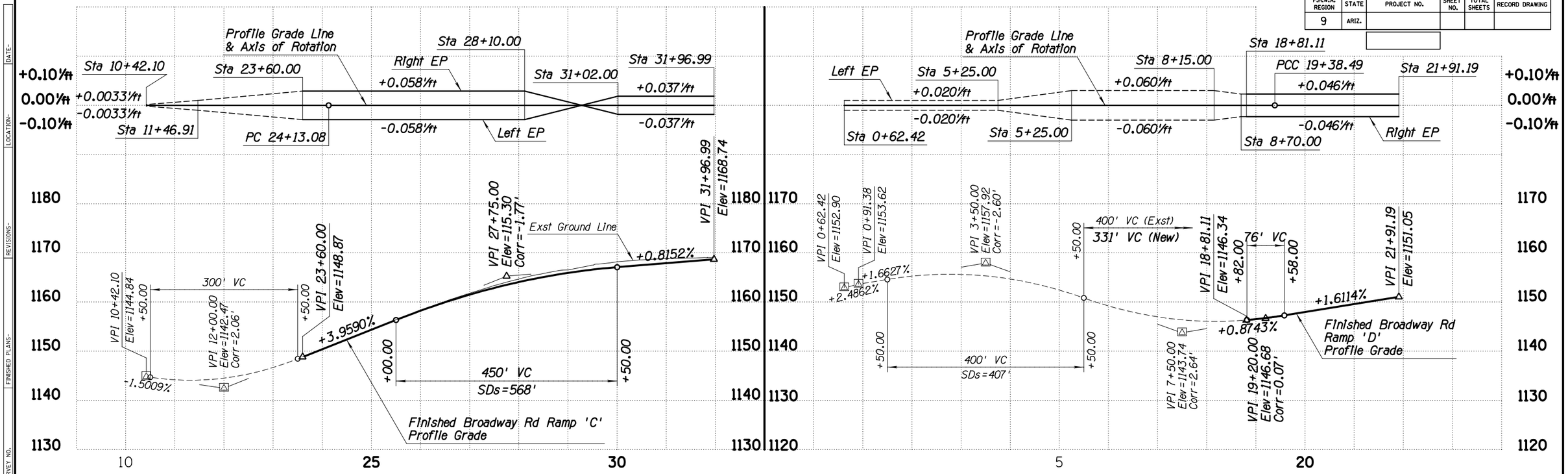
TRACS NO. H8768 01L

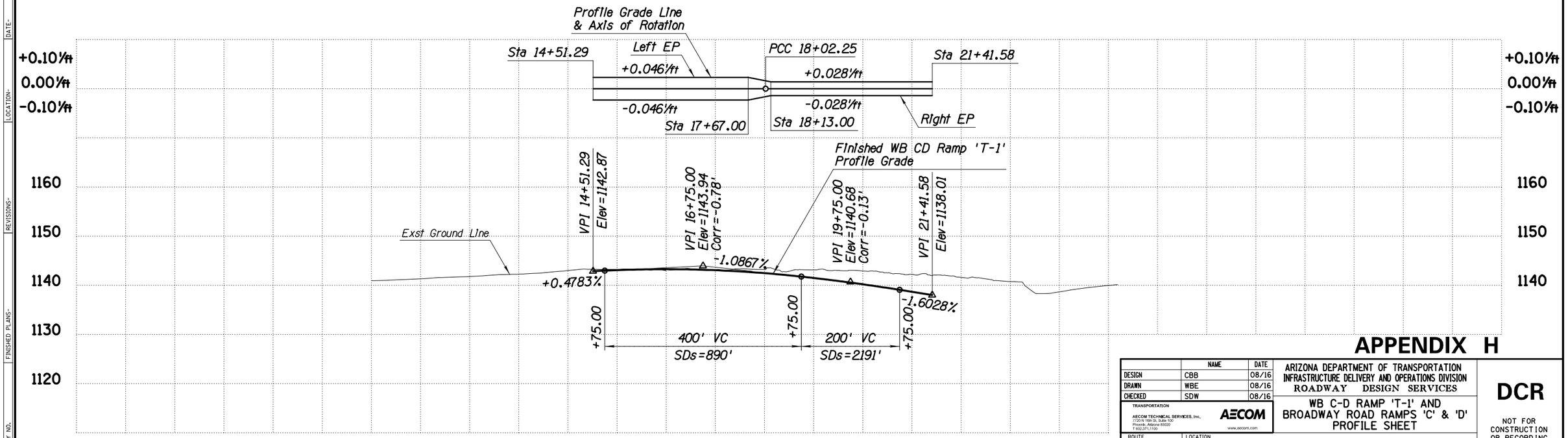
___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v36.dgn

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

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





APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

WB C-D RAMP 'T-1' AND BROADWAY ROAD RAMPS 'C' & 'D' PROFILE SHEET

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-3.13
TRACS NO. H8768 01L
___ OF ___

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

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v39.dgn

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

WB I-10 MAINLINE SECTION
12' Inside Shoulder
12' HOV Lane
12' Lanes (Varies 5-6)
13' Outside Shoulder

WB C-D ROAD SECTION
7' Inside Shoulder
12' Lanes (3)
10' Outside Shoulder

End Broadway Rd Ramp 'C' Cst ℄ POT Sta 36+01.23= 24.00' Lt WB CD-1 Cst ℄ POC Sta 8113+78.66

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

Exst Aerial Easement (No Ground Entry Allowed)

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

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

Broadway Rd Ramp 'C' Cst ℄

New Retaining Wall (Typ)

New Conc Half Barrier Special Detail

WB CD-1 Cst ℄

PCC 8126+17.17

New Pedestrian/ Bicycle Underpass

CS 8129+26.43

CS 8128+79.77

EQUATION
ST Sta 8132+27.61 Bk=
ST Sta 8131+79.77 Ahd
PT 8134+07.05

Alameda Drive

PT 28+63.60

S24°38'52"E

Exst R/W

Exst I-10 WB Cst ℄

Exst I-10 Med Cst ℄

Exst I-10 EB Cst ℄

+46.88
98' Lt

+75.75
114' Lt

+50.00
102' Rt

S 1°15'46" W

New R/W

EB CD-1 Cst ℄

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

New Conc Half Barrier Special Detail

New Retaining Wall

New R/W

PCC 8123+79.83

New 8' PUE

Tempe Diablo Stadium

CS 8128+33.12

PT 8128+01.56

New 10' Drainage Easement

Exst R/W

Exst PUE

EQUATION
ST Sta 8131+31.94 Bk=
ST Sta 8131+79.77 Ahd

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

Relocated Diablo Way

Section Line

Mid-Section Line

Tempe Diablo Stadium

Broadway Rd Ramp 'D' Cst ℄

End Broadway Rd Ramp 'D' Cst ℄ POC Sta 27+83.41= 12.00' Rt EB CD-1 Cst ℄ POC Sta 8108+87.44

EB I-10 MAINLINE SECTION
12' Inside Shoulder
12' HOV Lane
4' HOV Buffer
12' Lanes (5)
13' Outside Shoulder

EB C-D ROAD SECTION
7' Inside Shoulder
12' Lanes (2)
10' Outside Shoulder

NOTES:
1. For Existing and Proposed Geometric Data, See Geometric Sheets
2. For New Drainage System Concept, See Drainage Plans
3. For Nose of Gore Control Point (X) See Dwg No C-1.19

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

I-10
PLAN SHEET
Sta 8105+00 to Sta 8133+00

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-3.14

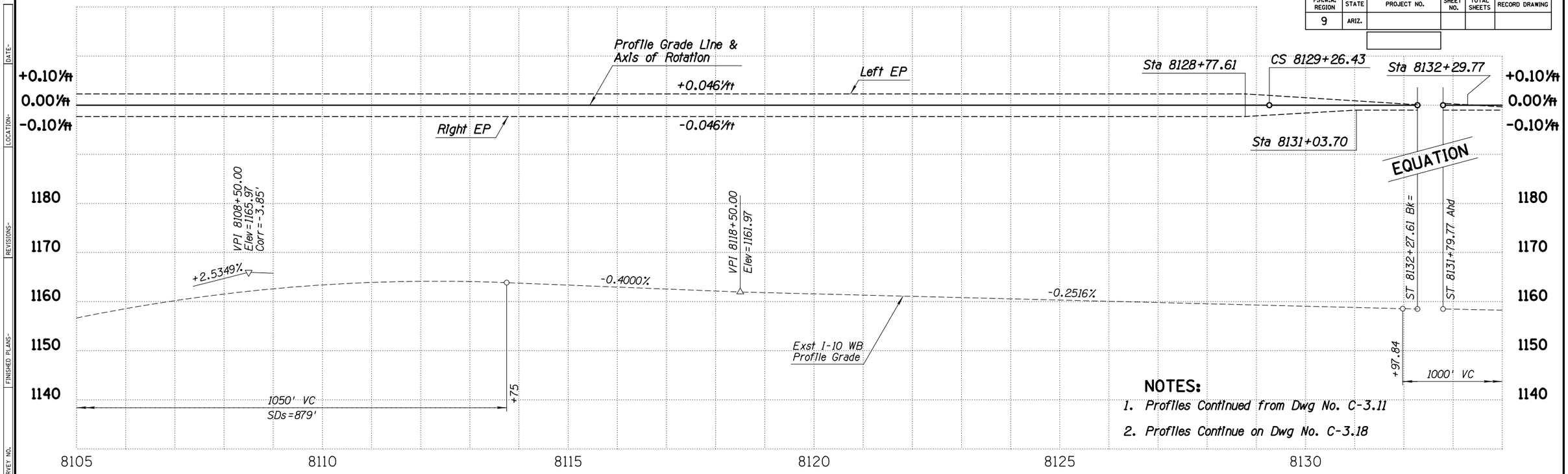
___ OF ___

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

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768p03.dgn

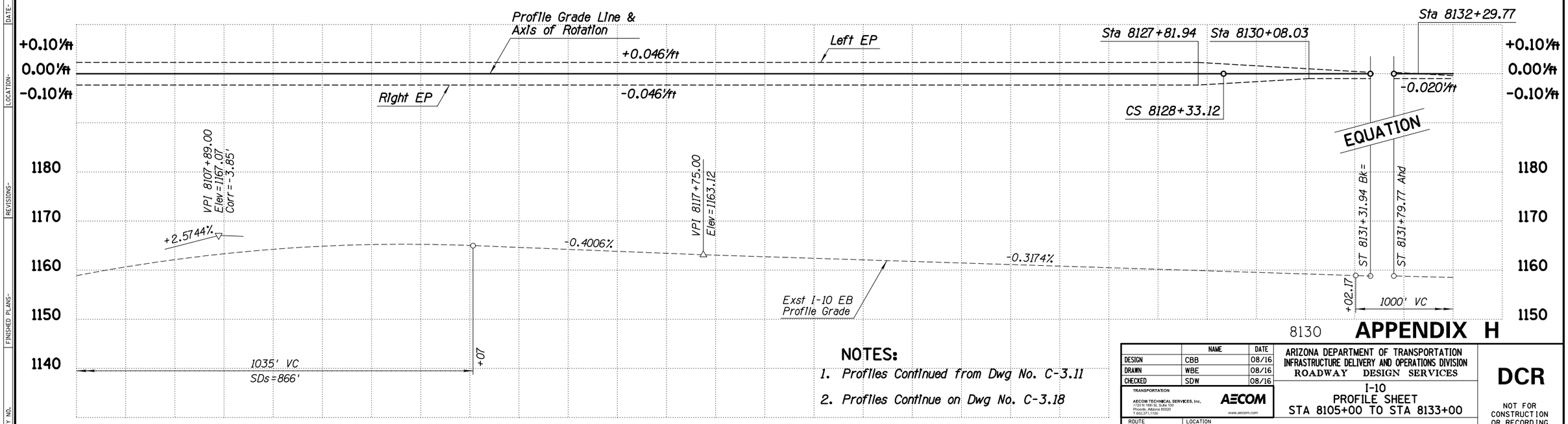
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

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



NOTES:

1. Profiles Continued from Dwg No. C-3.11
2. Profiles Continue on Dwg No. C-3.18



NOTES:

1. Profiles Continued from Dwg No. C-3.11
2. Profiles Continue on Dwg No. C-3.18

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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I-10
PROFILE SHEET
STA 8105+00 TO STA 8133+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
I-10	SR 143 - SR 202L, Santan/South Mountain

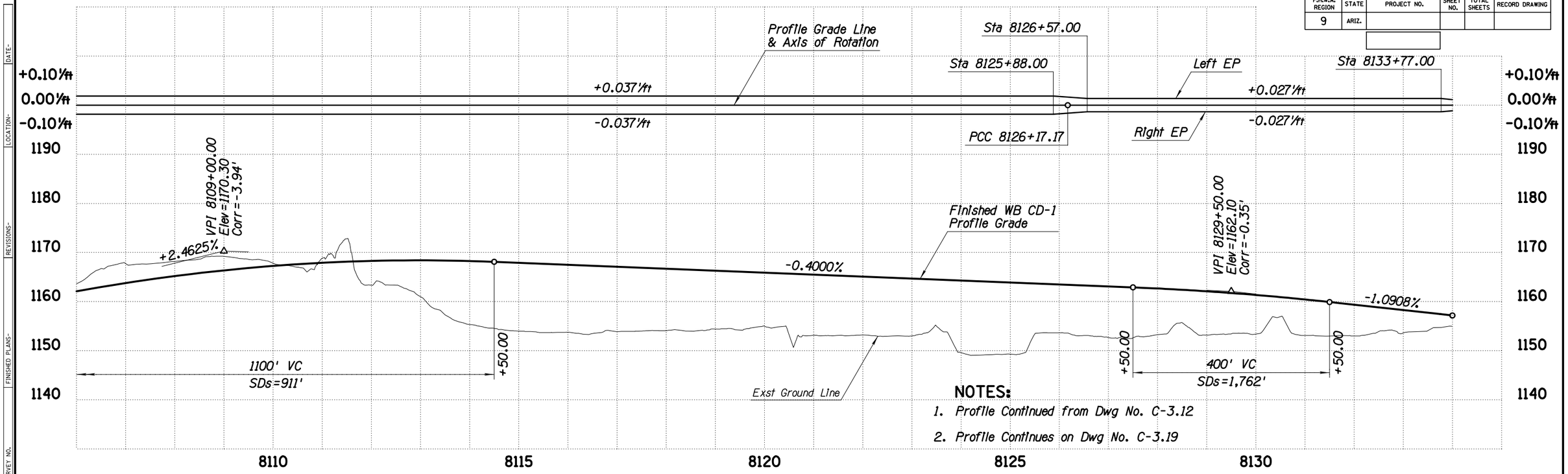
DWG NO. C-3.15

TRACS NO. H8768 01L

___ OF ___

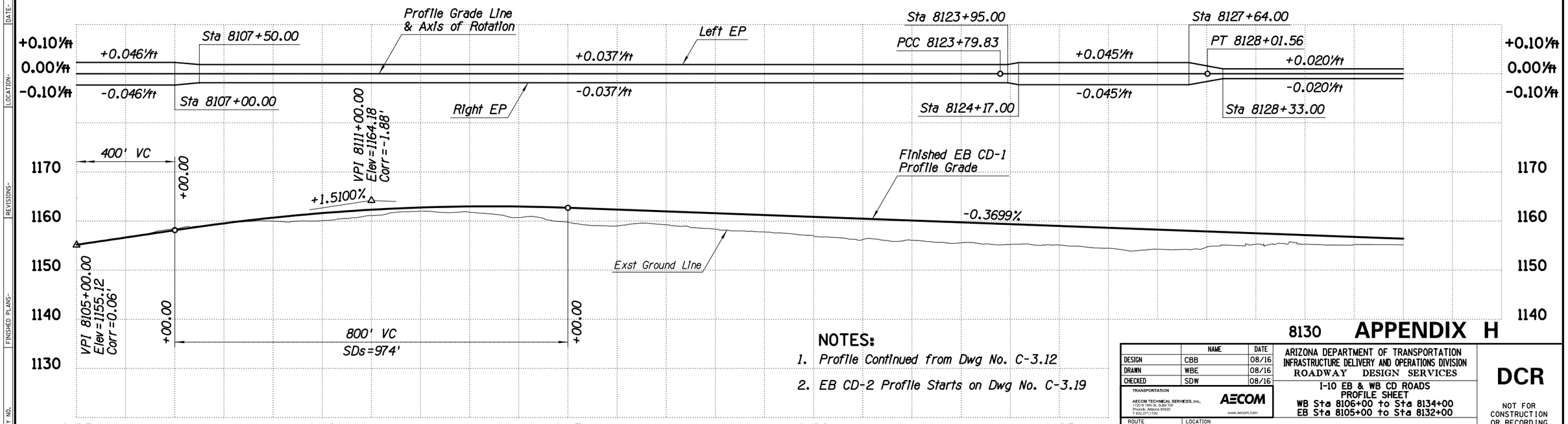
8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v40.dgn

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



NOTES:

1. Profile Continued from Dwg No. C-3.12
2. Profile Continues on Dwg No. C-3.19



NOTES:

1. Profile Continued from Dwg No. C-3.12
2. EB CD-2 Profile Starts on Dwg No. C-3.19

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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ROADWAY DESIGN SERVICES

I-10 EB & WB CD ROADS
PROFILE SHEET
WB Sta 8106+00 to Sta 8134+00
EB Sta 8105+00 to Sta 8132+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
I-10	SR 143 - SR 202L, Santan/South Mountain

DWG NO. C-3.16

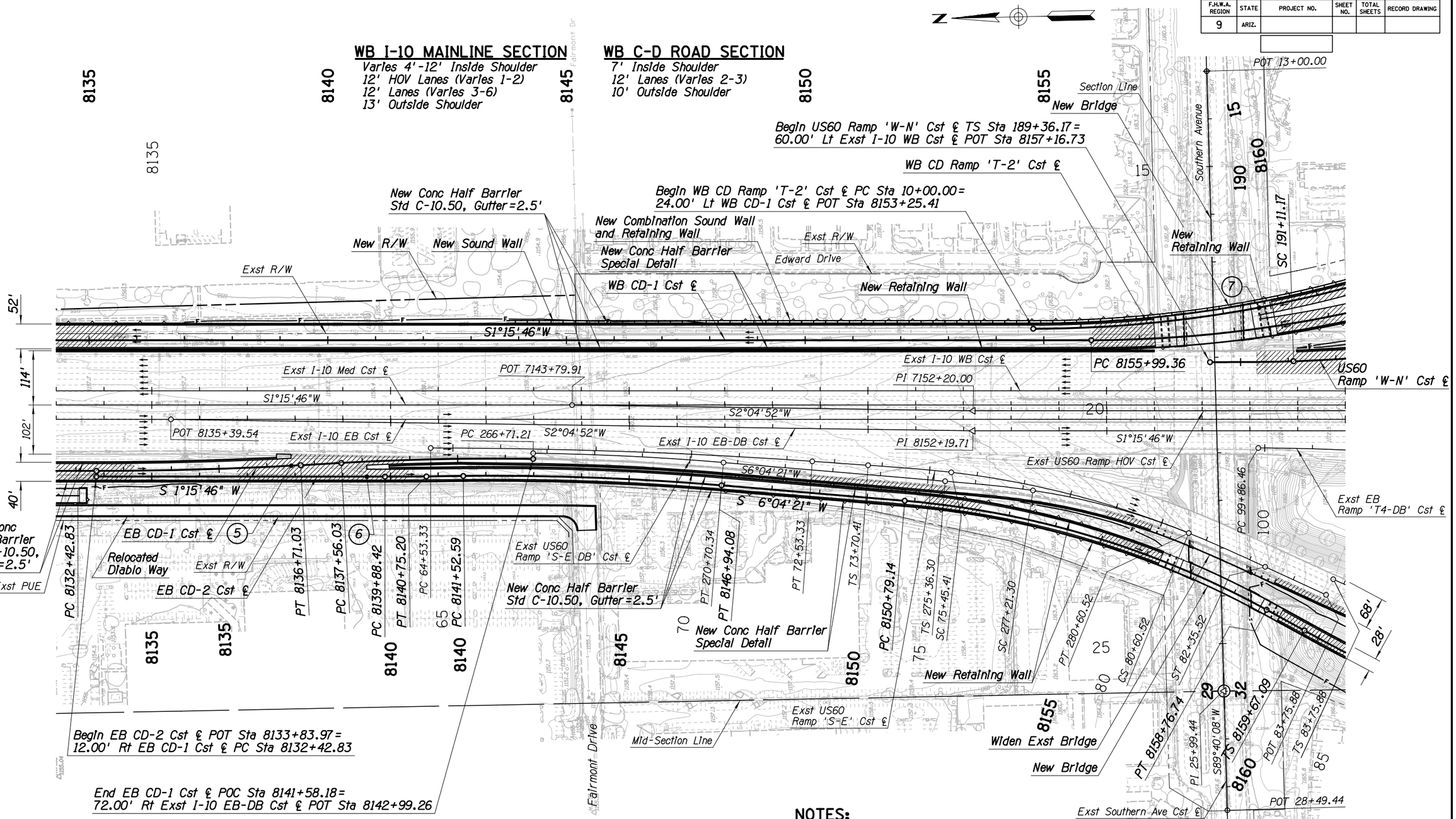
TRACS NO. H8768 01L

____ OF ____

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v41.dgn

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

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



EB I-10 MAINLINE SECTION

Varies 4'-12' Inside Shoulder
12' HOV Lanes (Varies 1-2)
12' Lanes (Varies 3-6)
13' Outside Shoulder

EB C-D ROAD SECTION

7' Inside Shoulder
12' Lane
10' Outside Shoulder

NOTES:

1. For Existing and Proposed Geometric Data, See Geometric Sheets
2. For New Drainage System Concept, See Drainage Plans
3. For Nose of Gore Control Point (X) See Dwg No C-1.19

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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ROADWAY DESIGN SERVICES

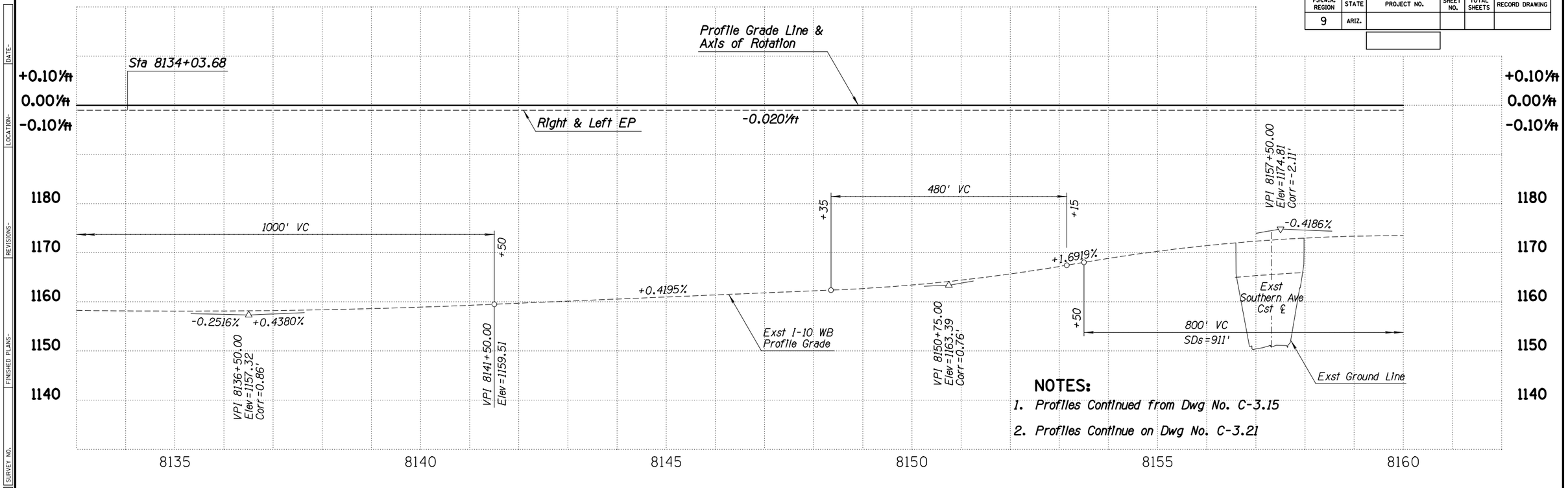
I-10
PLAN SHEET
Sta 8133+00 to Sta 8160+00

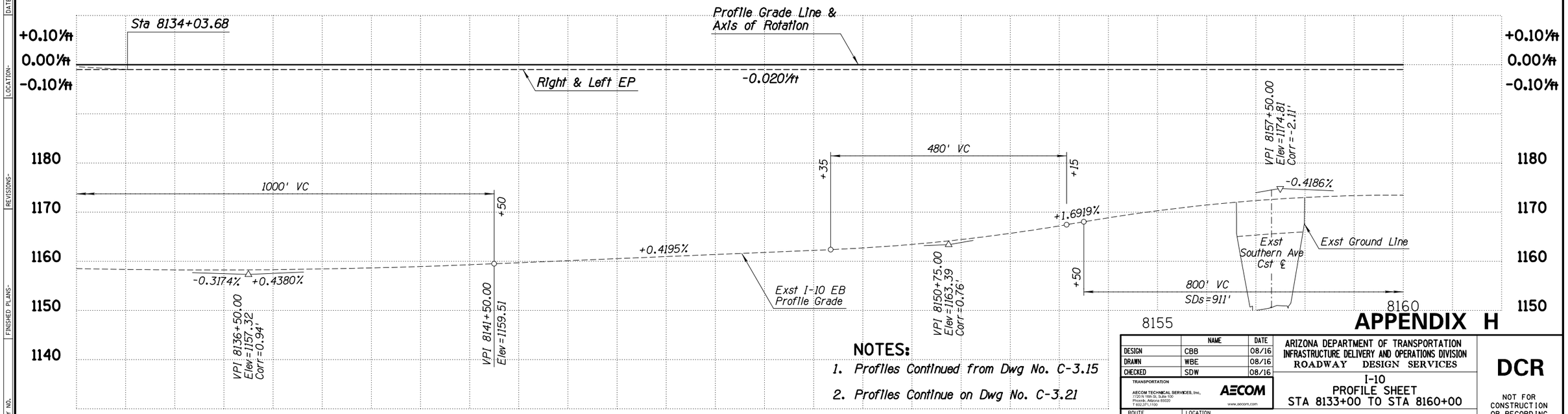
DCR
NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-3.17
TRACS NO. H8768 01L
___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768p04.dgn

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





APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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I-10
PROFILE SHEET
STA 8133+00 TO STA 8160+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-3.18

TRACS NO. H8768 01L

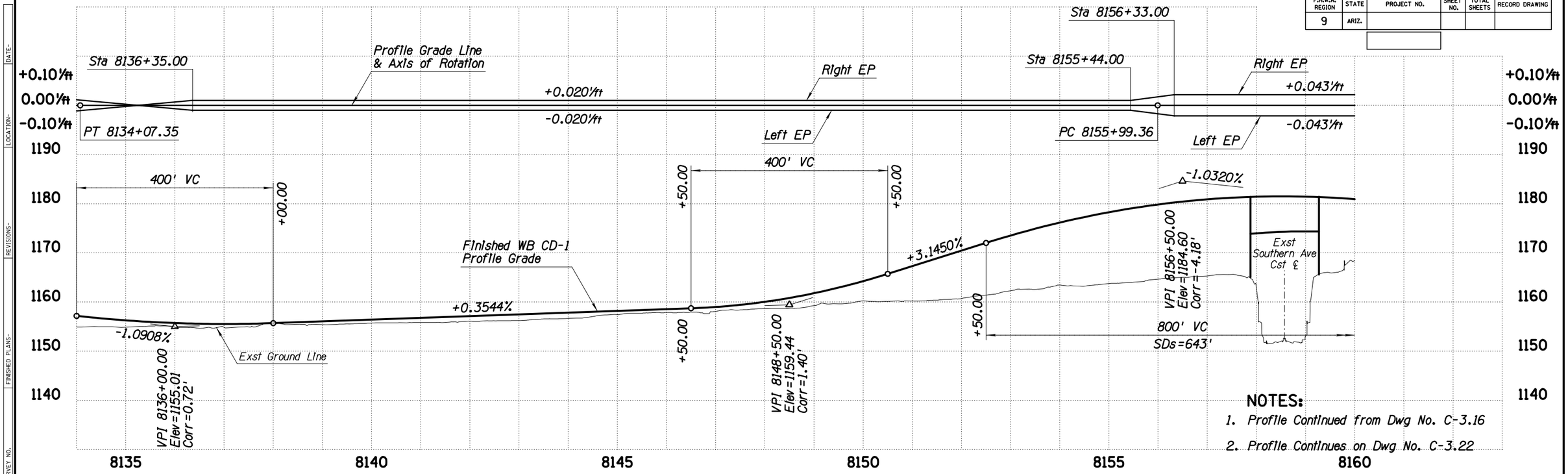
___ OF ___

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

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v42.dgn

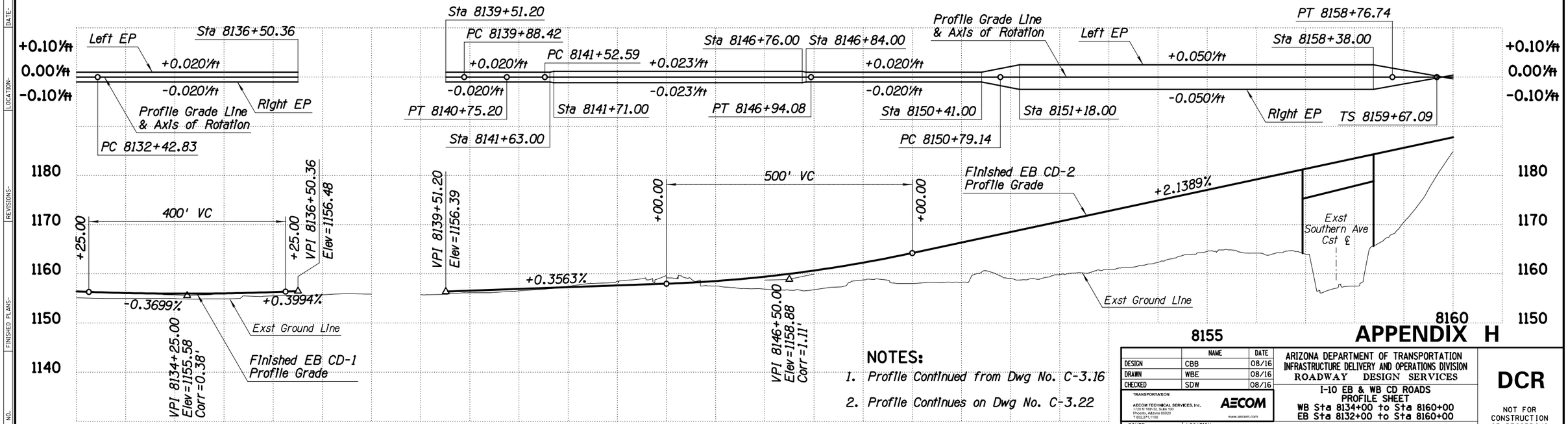
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

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



NOTES:

1. Profile Continued from Dwg No. C-3.16
2. Profile Continues on Dwg No. C-3.22



NOTES:

1. Profile Continued from Dwg No. C-3.16
2. Profile Continues on Dwg No. C-3.22

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
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ROADWAY DESIGN SERVICES

I-10 EB & WB CD ROADS
PROFILE SHEET
WB Sta 8134+00 to Sta 8160+00
EB Sta 8132+00 to Sta 8160+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR 202L, Santan/South Mountain	C-3.19

TRACS NO. H8768 01L ____ OF ____

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v43.dgn

NOTES:

1. For Existing and Proposed Geometric Data, See Geometric Sheets
2. For New Drainage System Concept, See Drainage Plans
3. For Nose of Gore Control Point (X) See Dwg No C-1.19

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

Begin WB CD-2 Cst ℄ POT Sta 174+42.24=
24.00' Lt WB CD-1 Cst ℄ POC Sta 8174+28.27

Widen Exst Bridge

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

New Combination Sound Wall
and Retaining Wall

Galleria Palms

WB CD Ramp 'T-2' Cst ℄

New Retaining Wall

New Bridge

Exst R/W

New Conc Half Barrier
Special Detail

All street lighting power within this apartment community is PRIVATELY OWNED.

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

New Retaining Wall

Begin US 60 Ramp 'N-E'
Cst ℄ PC Sta 24+84.07=
0.00' Rt Exst US 60 Ramp 'N-E'
Cst ℄ CS Sta 14+84.07

Exst US60
Ramp 'N-E' Cst ℄

Exst R/W

Mid-Section Line

Arizona
Mills
Mall

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

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

WB CD-2 Cst ℄

US60
Ramp 'N-E' Cst ℄

Varies

PT 17+44.44
PT 8163+43.81
+00.00
22' Lt
S15°29'14"E
+50.00
34' Lt
55:1 Taper
SC 198+36.10
CS 195+86.10
S15°29'14"E
TS 8167+93.94
TS 23+74.87
SC 8169+43.94
SC 25+24.87
TS 24+44.80
PT 7179+38.04
SC 26+44.80
60:1 Taper
S83°19'39"E
+80.00
60' Rt
CS 8177+01.25
PC 108+20.12
ST 105+47.44
ST 8178+51.25
PC 177+40.17
S15°30'36"W
PT 180+40.56
S17°45'46"W
PCC 8184+00.80
PC 182+96.56
SC 27+16.02
CS 25+16.02
Retention
Basin
Exst Ramp W-N
WB CD-1
Cst ℄
Retention
Basin
Exst US60
Ramp 'W-S' Cst ℄
CS 101+97.44
Exst US60
Ramp HOV Cst ℄
New Retaining Wall
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
US60
Ramp 'W-N' Cst ℄
Exst Bridge
PC 8180+33.28
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
Exst I-10 Med Cst ℄
PT 8175+91.44
+64.85
78' Lt
+94.15
78' Lt
S1°15'46"W
Exst I-10 WB Cst ℄
Exst I-10 EB-DB Cst ℄
EB CD-2 Cst ℄
PRC 8170+30.18
New Retaining Wall
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
65:1 Taper
Exst I-10 EB Cst ℄
S0°07'01"W
PT 102+72.18
PC 8163+13.01
TS 105+79.04
SC 107+24.04
CS 109+57.80
Retention
Basin
TS 12+54.44
SC 13+94.44
New
Bridge
Retention
Basin
PCC 8181+43.11
S 4°49'59" E
S 14°25'46" E
New Bridge
EB Ramp 'T-4' Cst ℄
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
Exst US60
Ramp 'S-E' Cst ℄
Exst EB
Ramp 'T-4' Cst ℄
EQUATION
St Sta 111+02.80 Bk =
St Sta 11+02.80 Ahd
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
CS 8171+26.61
S 26°29'40" E
New Retaining Wall
Retention
Basin
PT 30+40.23
PT 26+67.81
PC 33+41.21
POT 37+89.16
PC 30+90.93
End EB Ramp 'T-4' Cst ℄
PT Sta 39+23.07=
40.00' Rt Exst US60
Ramp 'W-S' Cst ℄ POT Sta 43+03.00
Western Canal
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
New Conc Half Barrier
Special Detail
New
Retaining Wall
Mid-Section Line
End Baseline Rd Ramp 'F'
Cst ℄ PT Sta 34+20.93=
28.00' Rt Exst US60
Ramp 'W-S' Cst ℄
PT Sta 43+03.00
SC 8161+41.09
SC 87+25.88
Baseline Rd
Ramp 'F' Cst ℄
Exst R/W
PC 8173+90.22
PT 8173+94.69
PC 8173+06.69
New Conc Half Barrier
Special Detail
New Conc Half Barrier
Std C-10.50, Gutter=2.5'
New Conc Curb & Gutter
Type C, Std C-05.10
New
Retaining Wall
End EB CD-2 Cst ℄ PT Sta 8185+07.83=
42.00' Rt Exst I-10 EB Cst ℄ POT Sta 8183+00.66

Begin Baseline Rd Ramp 'F' Cst ℄
PC Sta 10+00.00=
0.00' Rt EB CD-2 Cst ℄
POC Sta 8164+42.34

Begin EB Ramp 'T-4' Cst ℄ POC Sta 29+50.00=
0.00' Rt Exst EB Ramp 'T-4' Cst POC Sta 19+50.00

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

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

I-10
PLAN SHEET
Sta 8160+00 to Sta 8188+00

DCR
NOT FOR CONSTRUCTION OR RECORDING

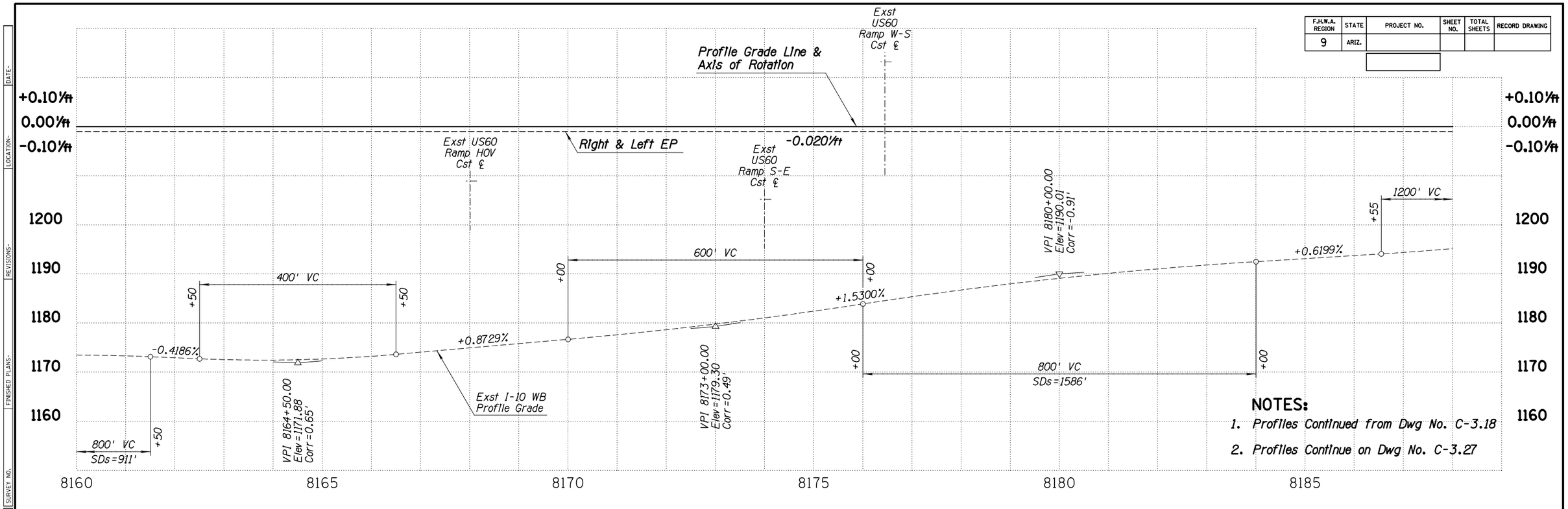
ROUTE I-10
LOCATION SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-3.20
TRACS NO. H8768 01L
___ OF ___

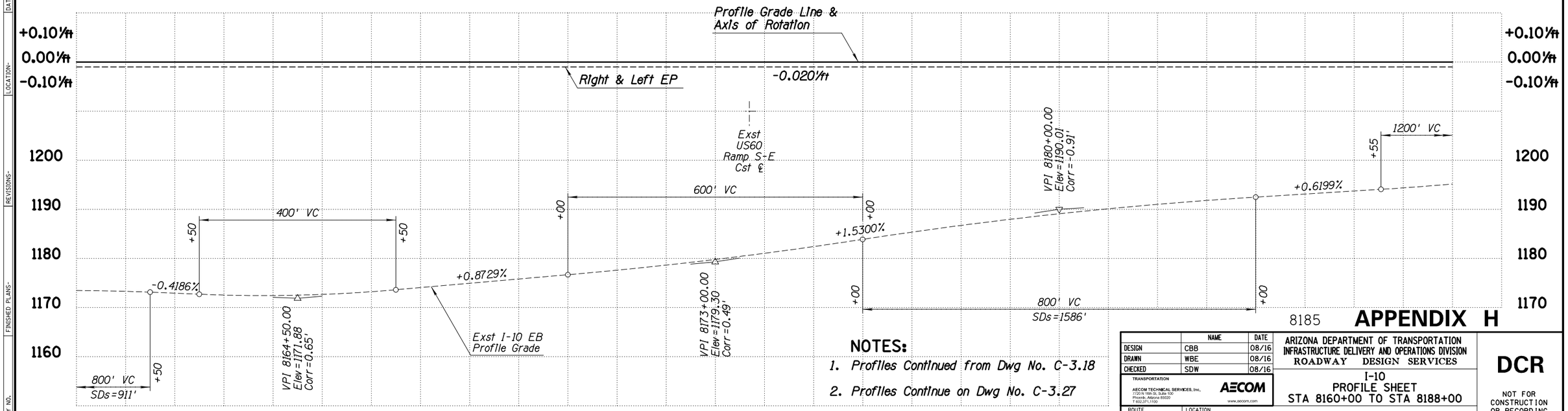
SURVEY NO. | FINISHED PLANS | REVISIONS | LOCATION | DATE

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768p05.dgn

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

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





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

I-10
PROFILE SHEET
STA 8160+00 TO STA 8188+00

DCR

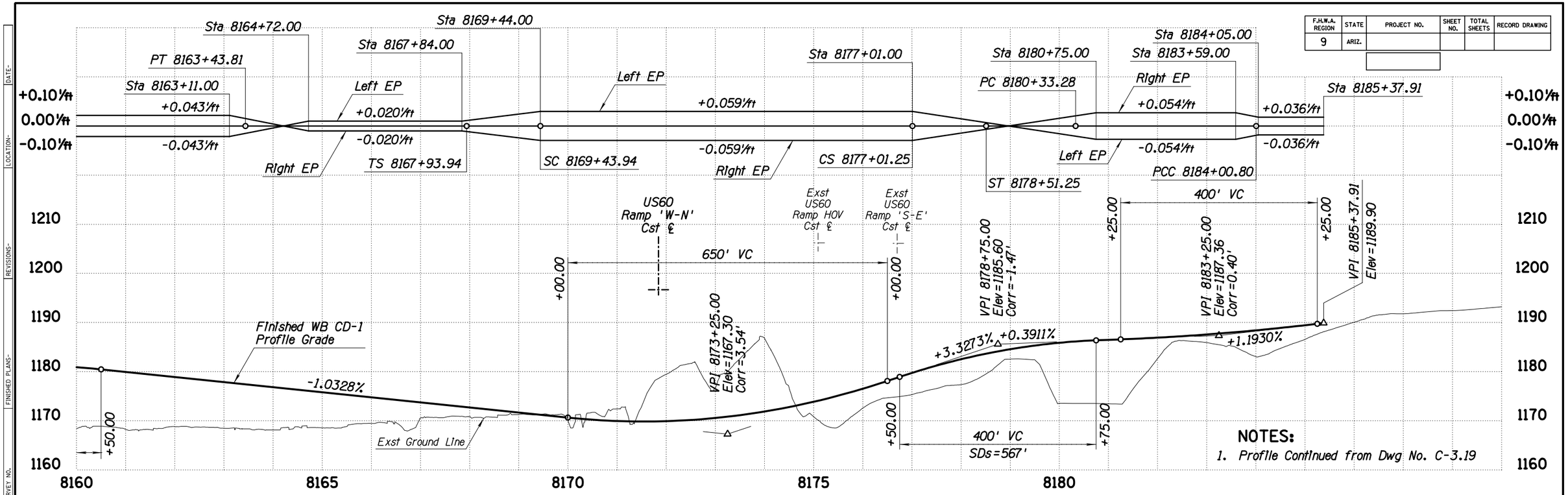
NOT FOR CONSTRUCTION OR RECORDING

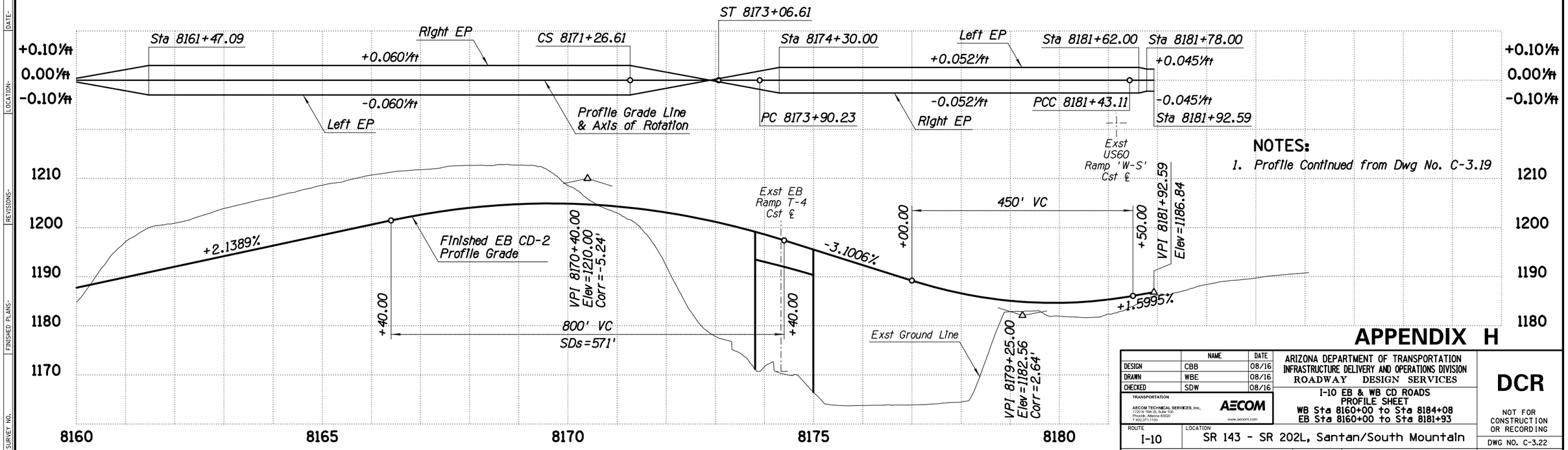
ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR 202L, Santan/South Mountain	C-3.21

TRACS NO. H8768 01L ___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v45.dgn

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





APPENDIX H

	NAME	DATE
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CHECKED	SDW	08/16

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

I-10 EB & WB CD ROADS
PROFILE SHEET
WB Sta 8160+00 to Sta 8184+08
EB Sta 8160+00 to Sta 8181+93

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
I-10	SR 143 - SR 202L, Santan/South Mountain

DWG NO. C-3.22

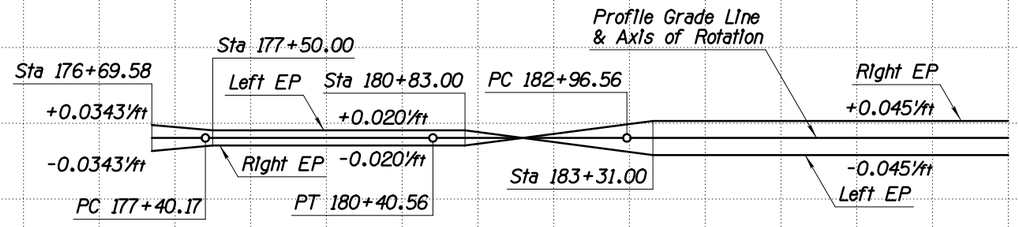
TRACS NO. H8768 01L

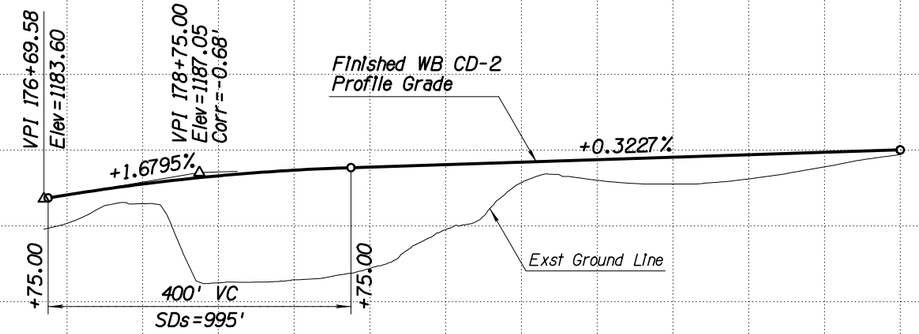
___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v46.dgn

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

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





1210
1200
1190
1180
1170

175 180 185

NOTES:

1. *Profile Continues on Dwg No. C-3.28*

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

I-10 WB CD ROAD
PROFILE SHEET
Sta 176+73 to Sta 188+00

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

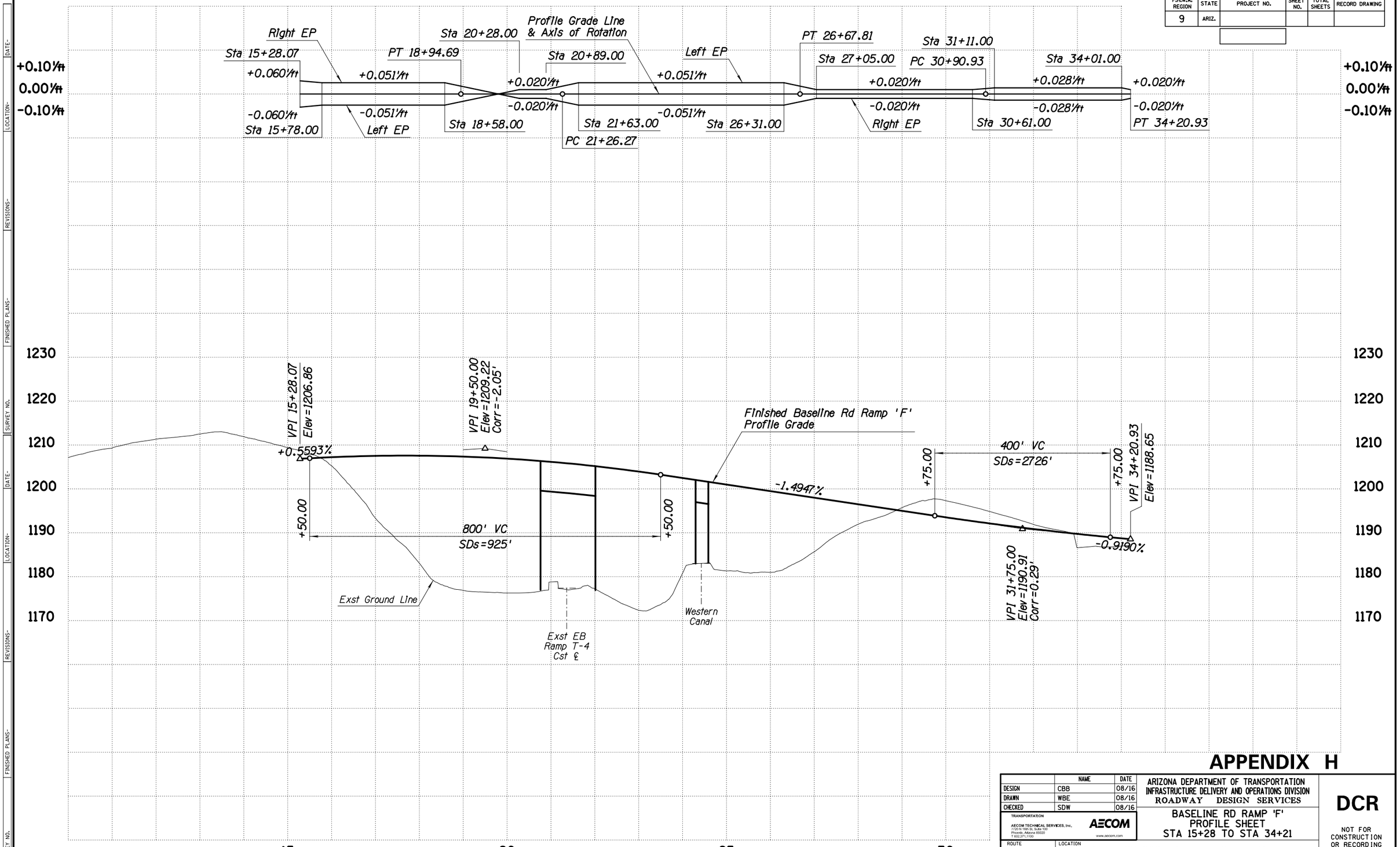
DWG NO. C-3.23

___ OF ___

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

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v47.dgn

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



APPENDIX H

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

BASELINE RD RAMP 'F'
PROFILE SHEET
STA 15+28 TO STA 34+21

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

DWG NO. C-3.24

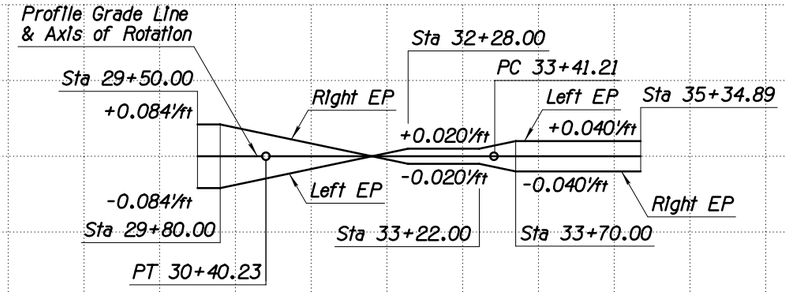
TRACS NO. H8768 01L

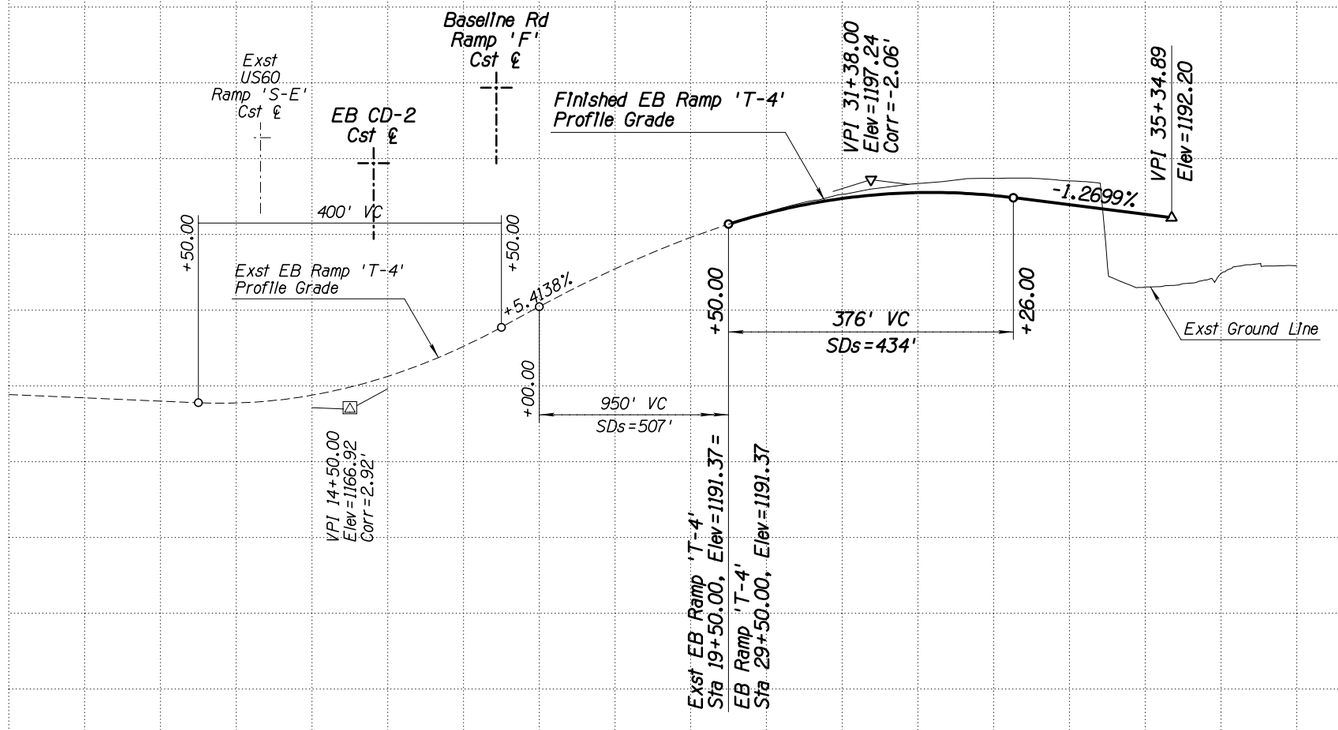
___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v121.dgn

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

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





APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
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TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

EB Ramp 'T-4'
PROFILE SHEET
STA 29+50 TO STA 35+35

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR 202L, Santan/South Mountain	C-3.25
TRACS NO. H8768 01L		___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v114.dgn

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

WB I-10 MAINLINE SECTION

12' Inside Shoulder
12' HOV Lane
12' Lanes (3)
12' Outside Shoulder (Min)

WB C-D ROAD SECTION

7' Inside Shoulder
12' Lanes (Varies 2-3)
10' Outside Shoulder

Begin Baseline Rd Ramp 'A' Cst ℄ PC Sta 11+52.86=
12.00' Lt WB CD-2 Cst ℄ POT Sta 199+19.77

End WB CD-1 Cst ℄ PT Sta 8190+41.71=
30.00' Lt Exst I-10 WB Cst ℄ POT Sta 8188+12.69

End US60 Ramp 'N-E' Cst ℄ PT Sta 35+09.54=
12.00' Lt WB CD-2 Cst ℄ POT Sta 191+63.98

End Baseline Rd Ramp 'A' Cst ℄ POC Sta 19+69.60=
0.00' Rt Exst Baseline Rd Ramp 'D' Cst ℄ PC Sta 7+36.27

Arizona Mills Mall

Exst Baseline Rd Cst ℄

Section Line

Baseline Road

US60 Ramp 'N-E' Cst ℄

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

Baseline Rd Ramp 'A' Cst ℄

WB CD-2 Cst ℄

Exst R/W

PT 15+44.52

PC 206+12.78

PC 19+52.93

Exst Baseline Rd Ramp 'D' Cst ℄

PT 9+69.60

PC 210+84.35

PCC 211+99.35

EQUATION
PI Sta 8210+44.75 Bk =
PI Sta 8210+45.34 Ahd

PC 2+95.66

Canal

PT 216+39.62

+26.90
134' Lt

Varies

PT 189+56.56

+57.39
78' Lt

S 1°15'46" W

S 3°37'59" E

Exst I-10 Med Cst ℄

Exst I-10 WB Cst ℄

PT 208+38.71

S 0°07'59" W

PI 8210+45.05

S0°15'11"E

Exst Baseline Rd Ramp 'A' Cst ℄

S1°15'46"W

S0°07'59"W

78'
84'
30'
38'

+98.84
84' Rt

PC 49+64.67

PT 50+79.25

New Conc Median Barrier

Exst I-10 EB Cst ℄

PC 61+08.16

+87.00
22' Rt

50:1 Taper

S 6°36'07" W

PC 2+50.00

S0°15'11"E

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

PC 0+00.00

+48.50
38' Lt

New Retaining Wall (Typ)

+48.52
26' Rt

+70.00
22' Rt

Exst R/W

US60 Ramp 'W-S' Cst ℄

PT 15+18.41

EQUATION
PI Sta 8210+45.34 Bk =
PI Sta 8210+44.75 Ahd

PT 76+01.96

PC 76+75.19

PT 4+82.65

Highline

New Conc Half Barrier Special Detail

New R/W

Exst Baseline Rd Ramp 'B' Cst ℄

Begin Baseline Rd Ramp 'B' Cst ℄ POT Sta 16+48.52=
4.00' Rt Exst Baseline Rd Ramp 'C' Cst ℄ POC 6+48.50

S0°43'09"W
2654.74'

Mid-Section Line

End Baseline Rd Ramp 'B' Cst ℄ POT Sta 19+70.00=
0.00' Rt Exst Baseline Rd Ramp 'C' Cst ℄ POC 9+70.00

PI 14+50.34

Exst Baseline Rd Ramp 'C' Cst ℄

Highline Canal

Begin US60 Ramp 'W-S' Cst ℄ POC Sta 72+60.92=
0.00' Rt Exst US60 Ramp 'W-S' Cst ℄ PT Sta 62+60.92

End US60 Ramp 'W-S' Cst ℄ PT Sta 80+18.37=
54.00' Rt Exst I-10 EB Cst ℄ POT Sta 8214+07.03

EB I-10 MAINLINE SECTION

12' Inside Shoulder
12' HOV Lane
12' Lanes (4)
12' Outside Shoulder (Min)

NOTES:

1. For Existing and Proposed Geometric Data, See Geometric Sheets
2. For New Drainage System Concept, See Drainage Plans
3. For Nose of Gore Control Point (X) See Dwg No C-1.19

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

I-10
PLAN SHEET
Sta 8188+00 to Sta 8216+00

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

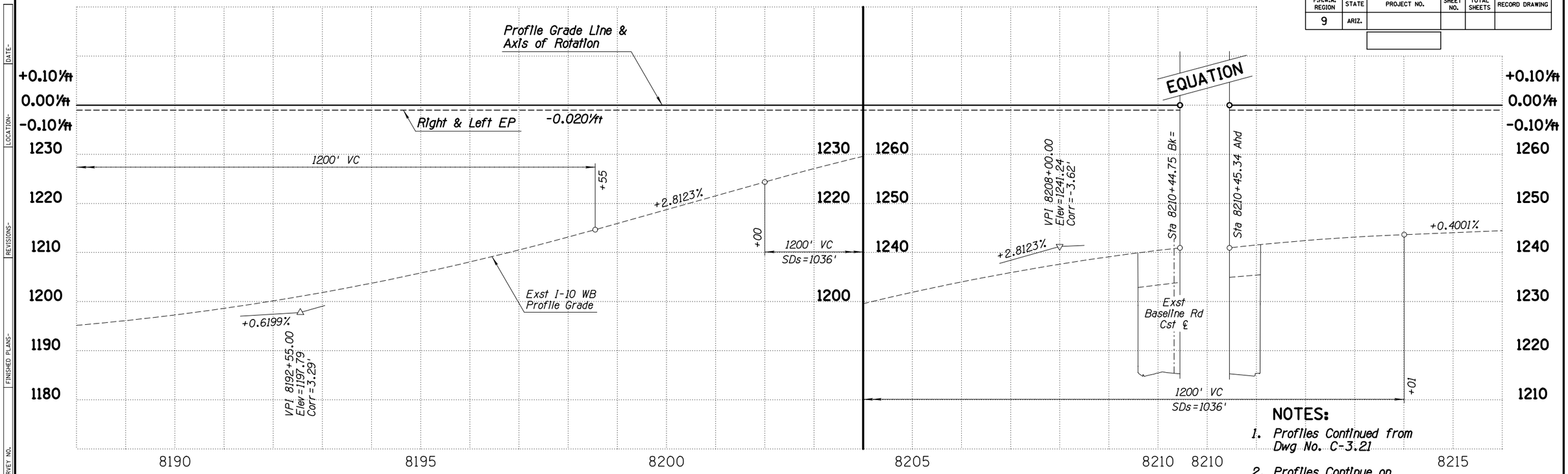
DWG NO. C-3.26

___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768p06.dgn

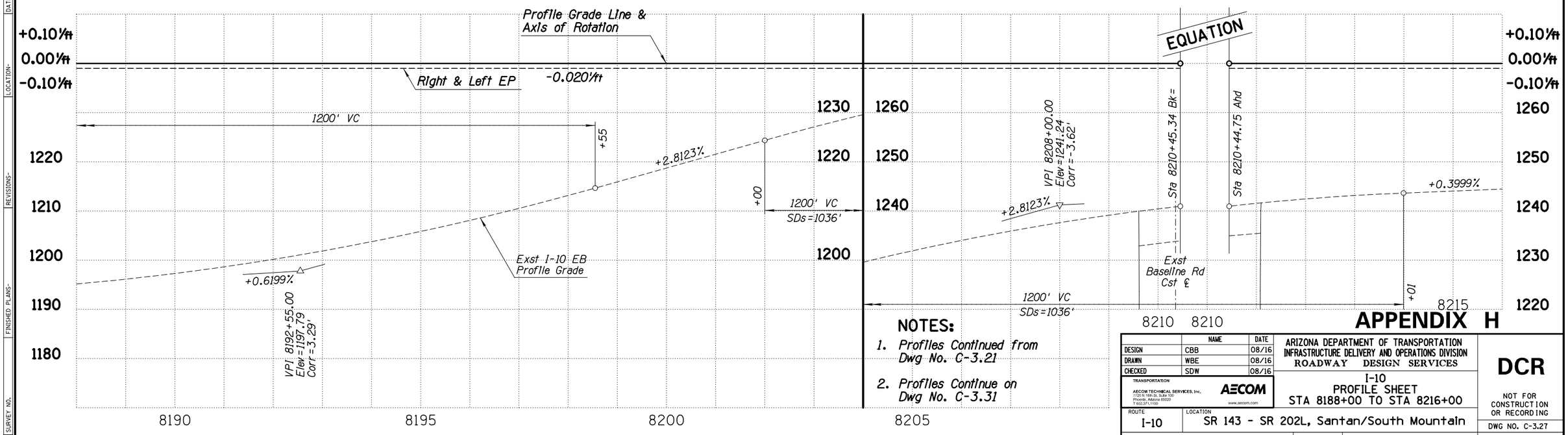
DATE- LOCATION- REVISIONS- FINISHED PLANS- SURVEY NO.

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



NOTES:

1. Profiles Continued from Dwg No. C-3.21
2. Profiles Continue on Dwg No. C-3.31



NOTES:

1. Profiles Continued from Dwg No. C-3.21
2. Profiles Continue on Dwg No. C-3.31

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

I-10
PROFILE SHEET
STA 8188+00 TO STA 8216+00

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-3.27

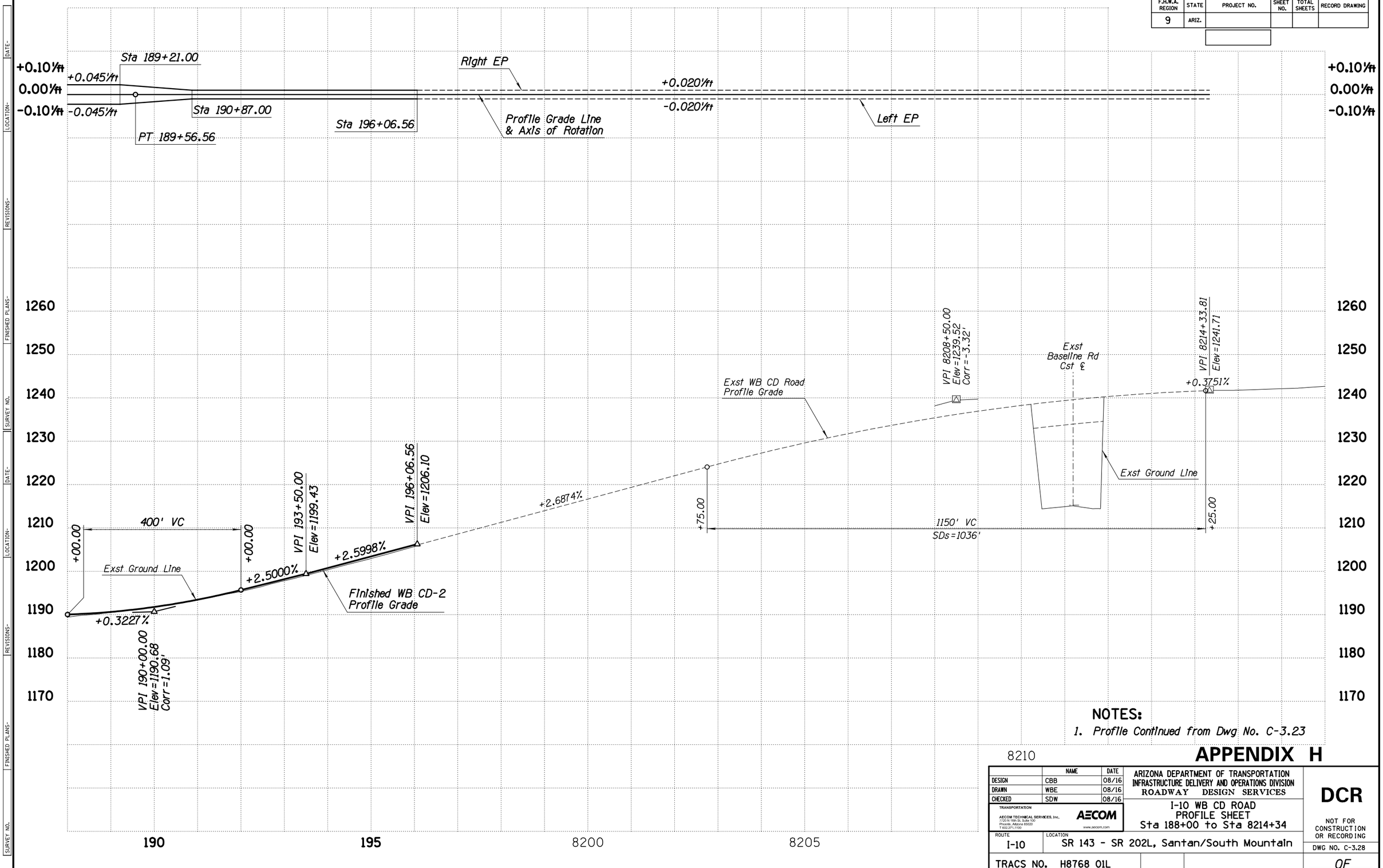
___ OF ___

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

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v48.dgn

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

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



NOTES:

1. Profile Continued from Dwg No. C-3.23

APPENDIX H

	NAME	DATE
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CHECKED	SDW	08/16

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

I-10 WB CD ROAD
PROFILE SHEET
Sta 188+00 to Sta 8214+34

DCR

NOT FOR CONSTRUCTION OR RECORDING

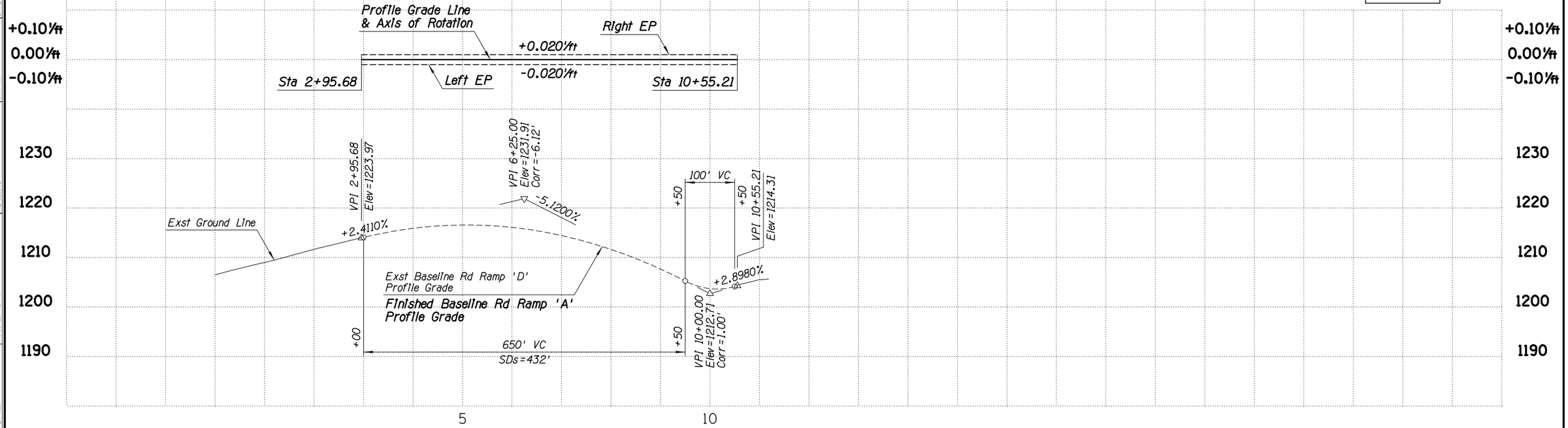
ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-3.28

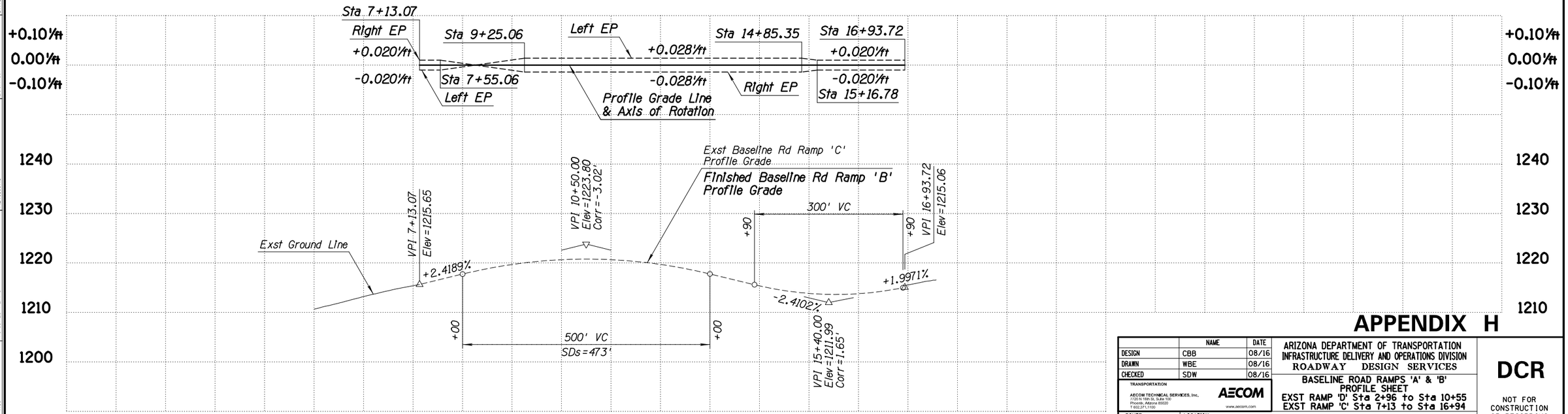
TRACS NO. H8768 01L

____ OF ____

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v49.dgn

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





APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

BASELINE ROAD RAMPS 'A' & 'B'
PROFILE SHEET
EXST RAMP 'D' Sta 2+96 to Sta 10+55
EXST RAMP 'C' Sta 7+13 to Sta 16+94

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR 202L, Santan/South Mountain	C-3.29

TRACS NO. H8768 01L ____ OF ____

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v52.dgn

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

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

N

End WB CD-2 Cst ℄ PT Sta 222+11.17 =
54.00' Lt Exst I-10 WB Cst ℄ POT Sta 8221+25.10

Begin Baseline Rd Ramp 'C' Cst ℄ PC Sta 23+94.64 =
0.00' Lt Exst Baseline Rd Ramp 'A' Cst ℄ POT Sta 13+94.64

End Baseline Rd Ramp 'C' Cst ℄ PT Sta 29+59.34 =
66.00' Lt Exst I-10 WB Cst ℄ POT Sta 8229+90.16

WB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (5)
12' Parallel Exit Lane
12' Outside Shoulder

Exst Baseline Rd Ramp 'A' Cst ℄

PT 8+80.49

+45.34 96' Lt

Baseline Rd Ramp 'C' Cst ℄

+79.47 10' Lt

POT 19+35.15

PC 217+18.21

WB CD-2 Cst ℄

S4°07'59"W

Exst I-10 WB Cst ℄

PC 8230+16.34

Exst R/W

2639.13'
N89°39'11"E

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

108'

S0°07'59"W

+88.71
96' Rt

Exst I-10 Med Cst ℄

Exst I-10 EB Cst ℄

PC 8230+16.34

PC 8230+16.34

S4°54'22"E

Baseline Rd Ramp 'D' Cst ℄

End Baseline Rd Ramp 'D' Cst ℄ PT Sta 29+15.15 =
66.00' Rt Exst I-10 EB Cst ℄ PC Sta 8229+46.35

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=2.5'

New Retaining Wall

Exst Baseline Rd Ramp 'B' Cst ℄

Begin Baseline Rd Ramp 'D' Cst ℄ PC Sta 23+10.45 =
0.00' Rt Exst Baseline Rd Ramp 'B' Cst ℄ POT Sta 13+10.45

Mid-Section Line

EB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (5)
12' Auxiliary Lane
12' Outside Shoulder

NOTES:

1. For Existing and Proposed Geometric Data, See Geometric Sheets
2. For New Drainage System Concept, See Drainage Plans
3. For Nose of Gore Control Point (X) See Dwg No C-1.19

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

I-10
PLAN SHEET
Sta 8216+00 to Sta 8244+00

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

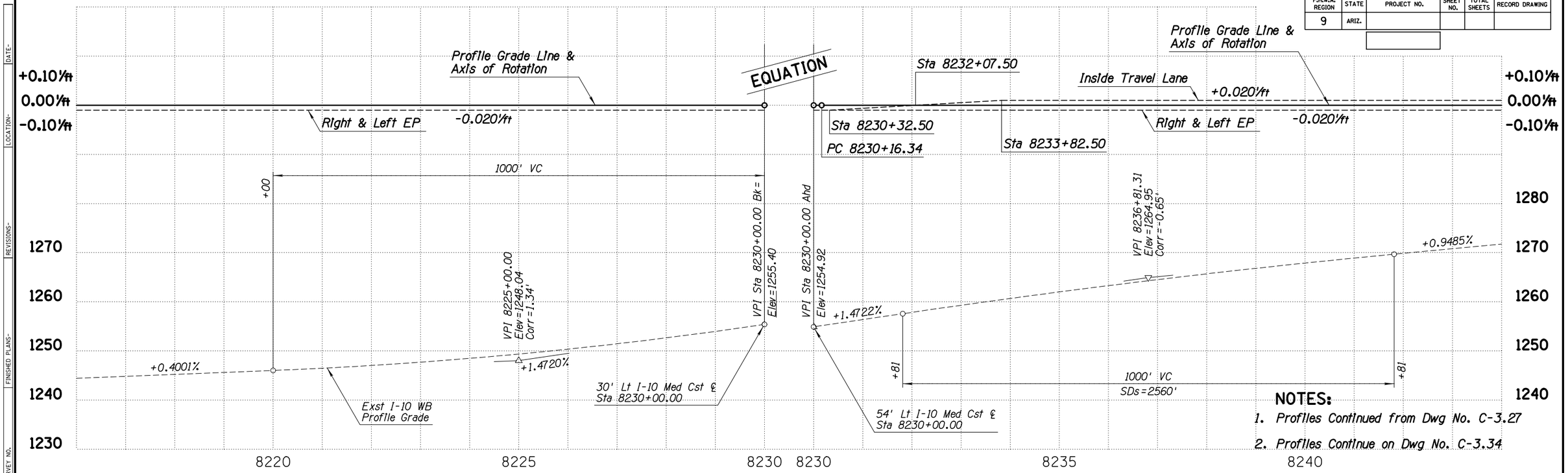
DWG NO. C-3.30

___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768p07.dgn

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

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



NOTES:

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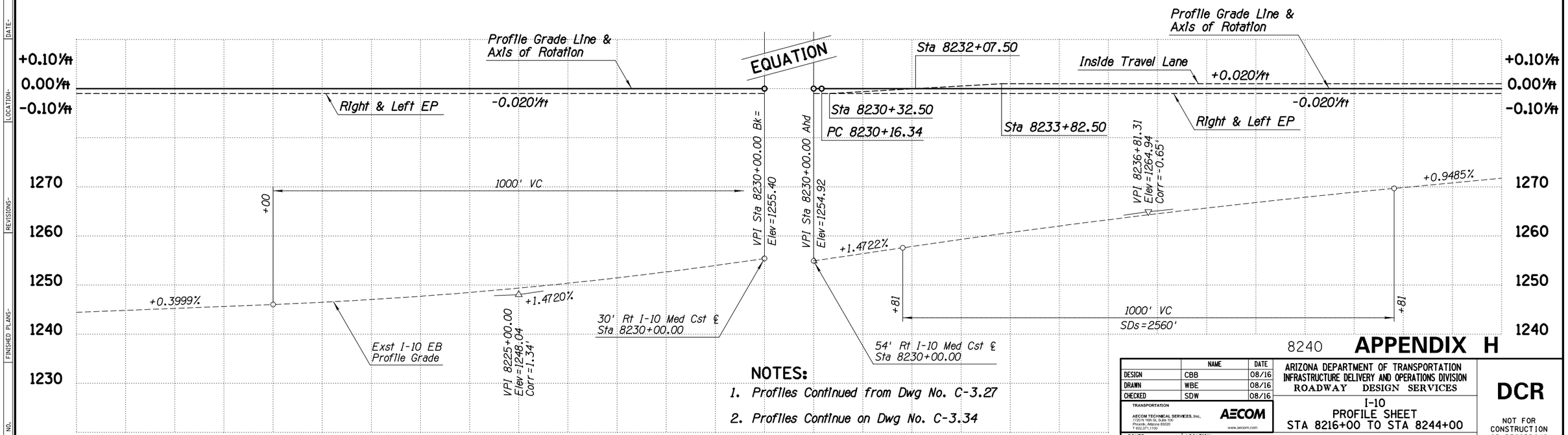
2. Profiles Continue on Dwg No. C-3.34



NOTES:

1. Profiles Continued from Dwg No. C-3.27
2. Profiles Continue on Dwg No. C-3.34

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

I-10
PROFILE SHEET
STA 8216+00 TO STA 8244+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR 202L, Santan/South Mountain	C-3.31

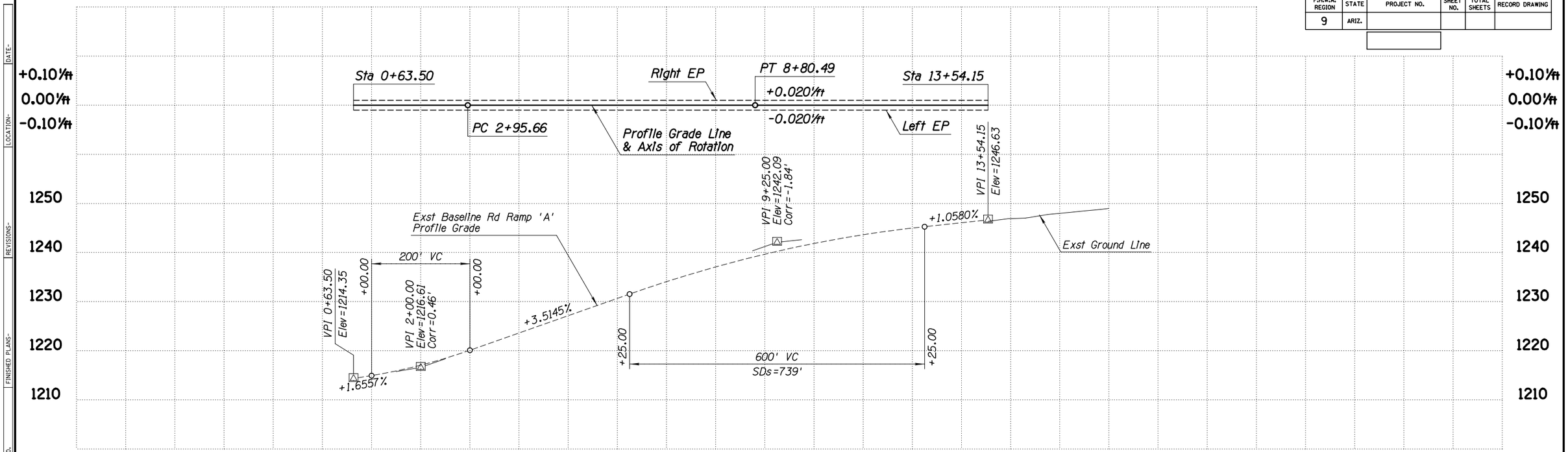
TRACS NO. H8768 01L ____ OF ____

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v53.dgn

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

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

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



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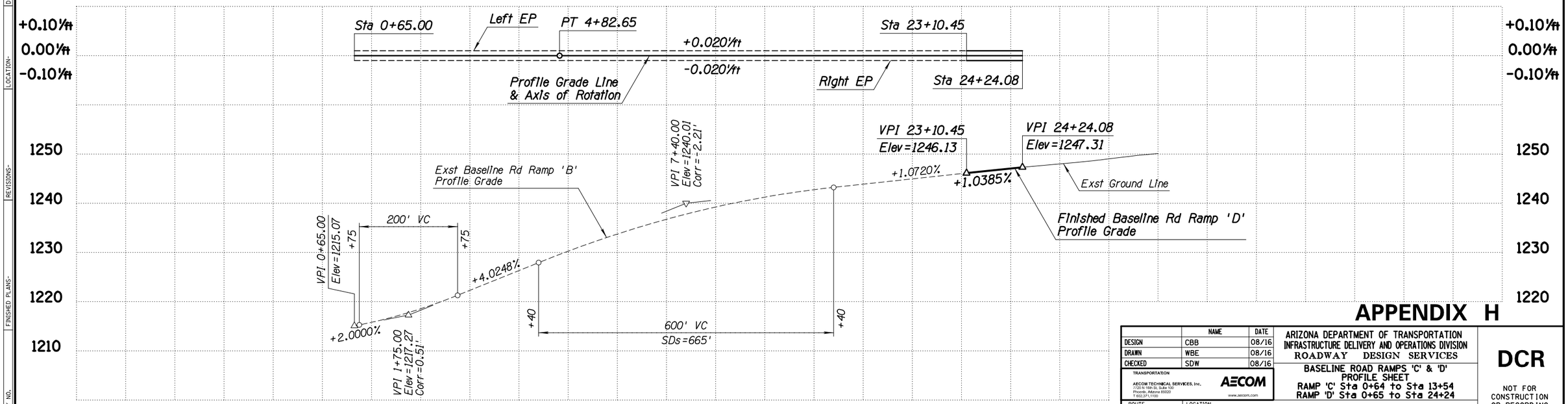

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APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

BASELINE ROAD RAMPS 'C' & 'D'
PROFILE SHEET
RAMP 'C' Sta 0+64 to Sta 13+54
RAMP 'D' Sta 0+65 to Sta 24+24

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR 202L, Santan/South Mountain	C-3.32

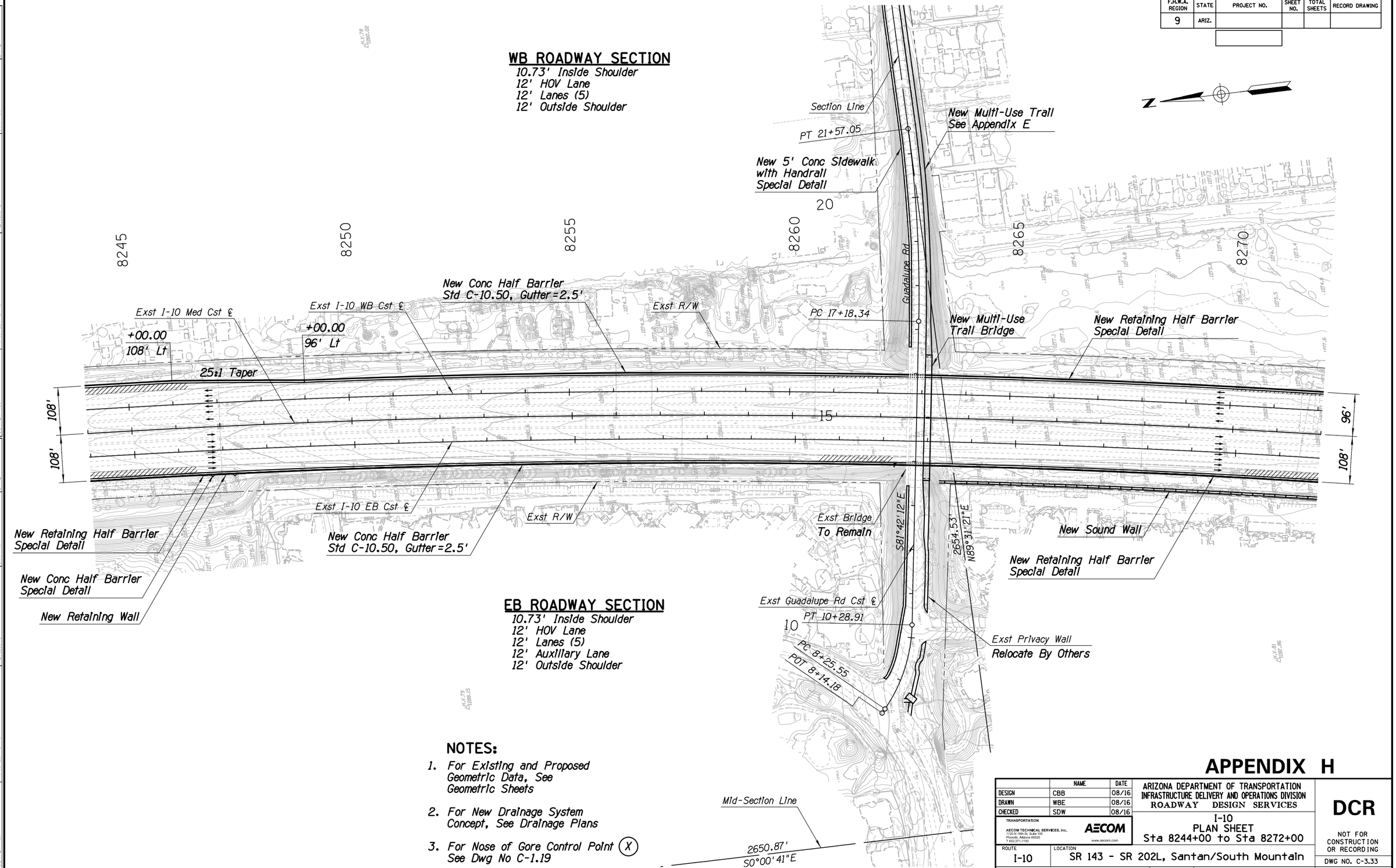
TRACS NO. H8768 01L ____ OF ____

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v51.dgn

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

WB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (5)
12' Outside Shoulder



EB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (5)
12' Auxiliary Lane
12' Outside Shoulder

NOTES:

1. For Existing and Proposed Geometric Data, See Geometric Sheets
2. For New Drainage System Concept, See Drainage Plans
3. For Nose of Gore Control Point (X) See Dwg No C-1.19

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

I-10
PLAN SHEET
Sta 8244+00 to Sta 8272+00

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

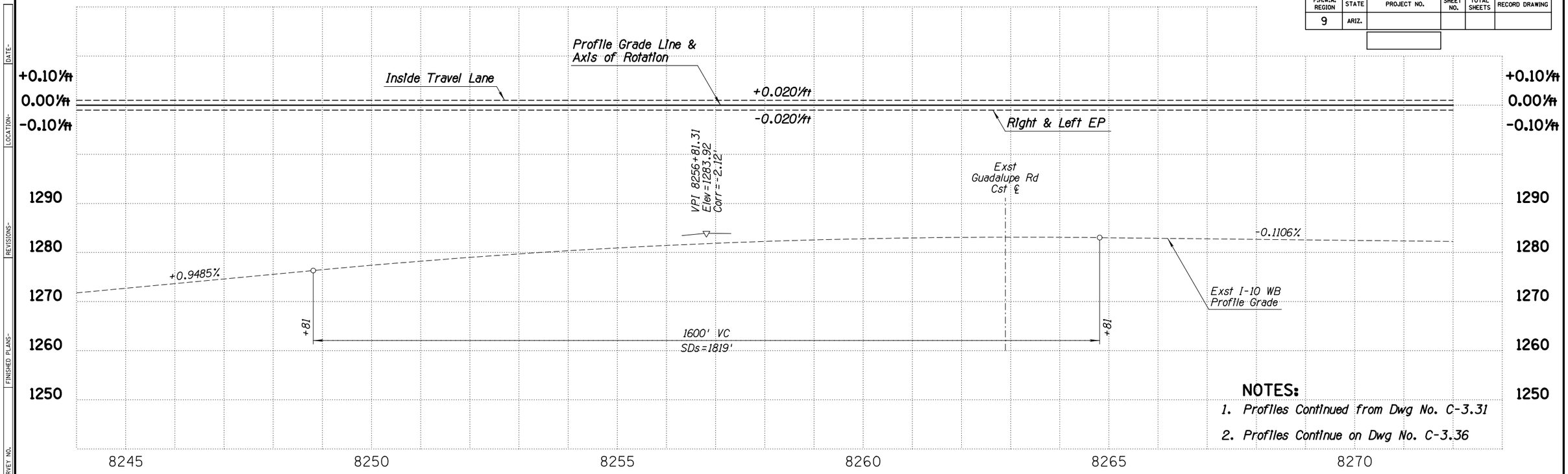
DWG NO. C-3.33

___ OF ___

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

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768p08.dgn

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



NOTES:

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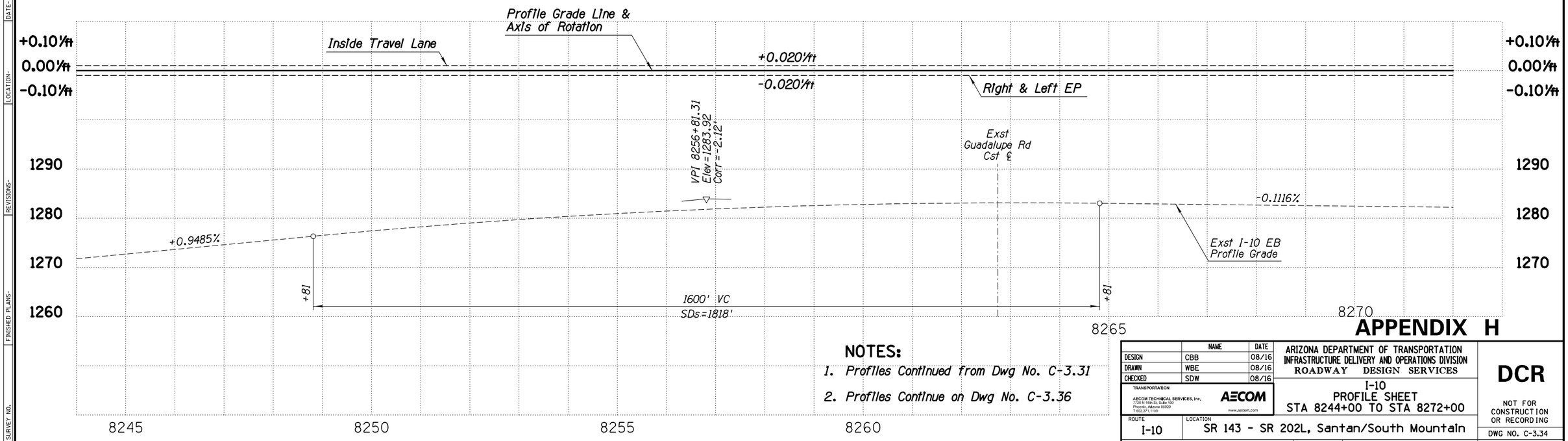
2. Profiles Continue on Dwg No. C-3.36



NOTES:

1. Profiles Continued from Dwg No. C-3.31
2. Profiles Continue on Dwg No. C-3.36

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
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CHECKED	SDW	08/16

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

I-10
PROFILE SHEET
STA 8244+00 TO STA 8272+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR 202L, Santan/South Mountain	C-3.34

TRACS NO. H8768 01L ____ OF ____

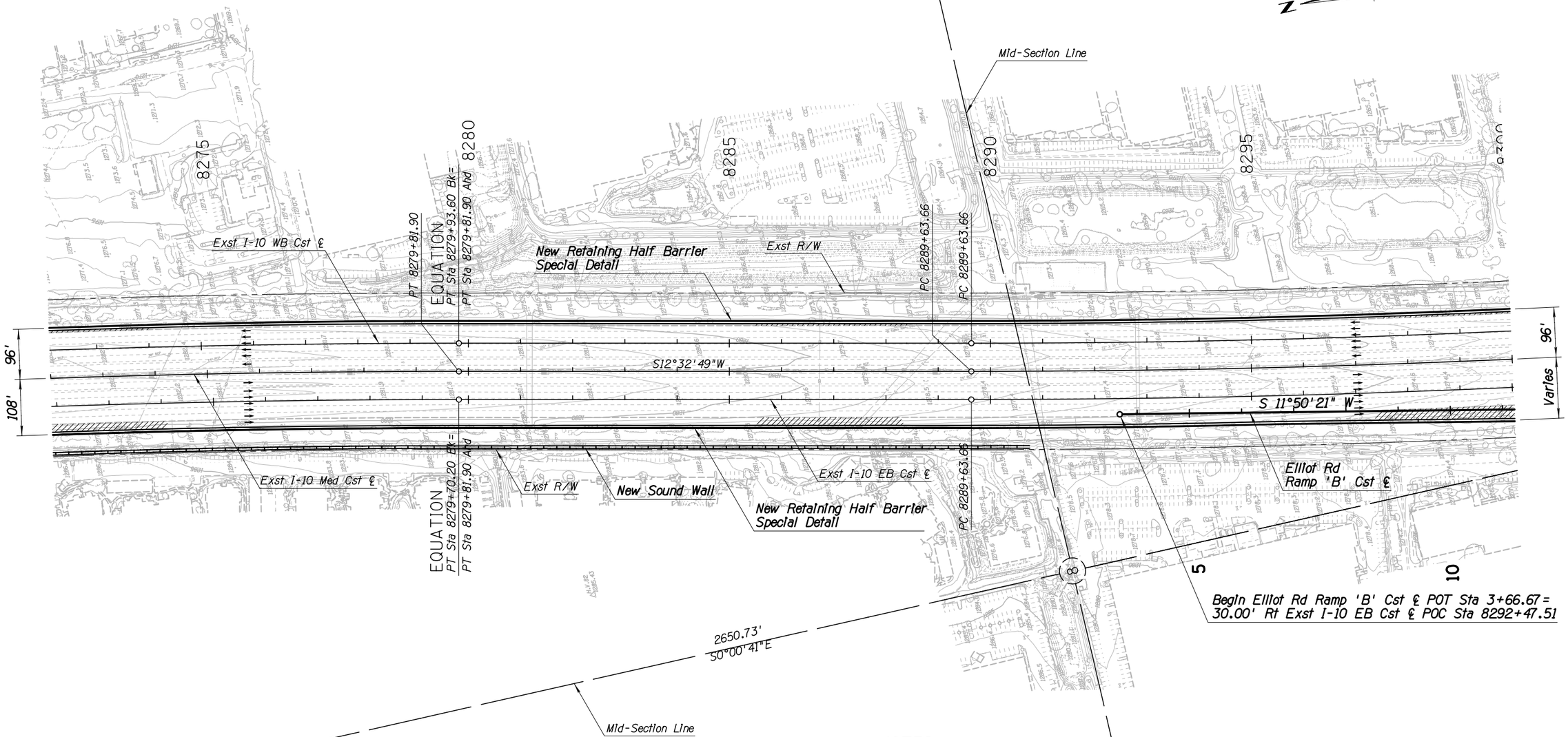
8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v54.dgn

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

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

WB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (5)
12' Outside Shoulder



EB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (5)
12' Auxiliary Lane
12' Outside Shoulder

NOTES:

1. For Existing and Proposed Geometric Data, See Geometric Sheets
2. For New Drainage System Concept, See Drainage Plans
3. For Nose of Gore Control Point (X) See Dwg No C-1.19

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

I-10
PLAN SHEET
Sta 8272+00 to Sta 8300+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-3.35

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

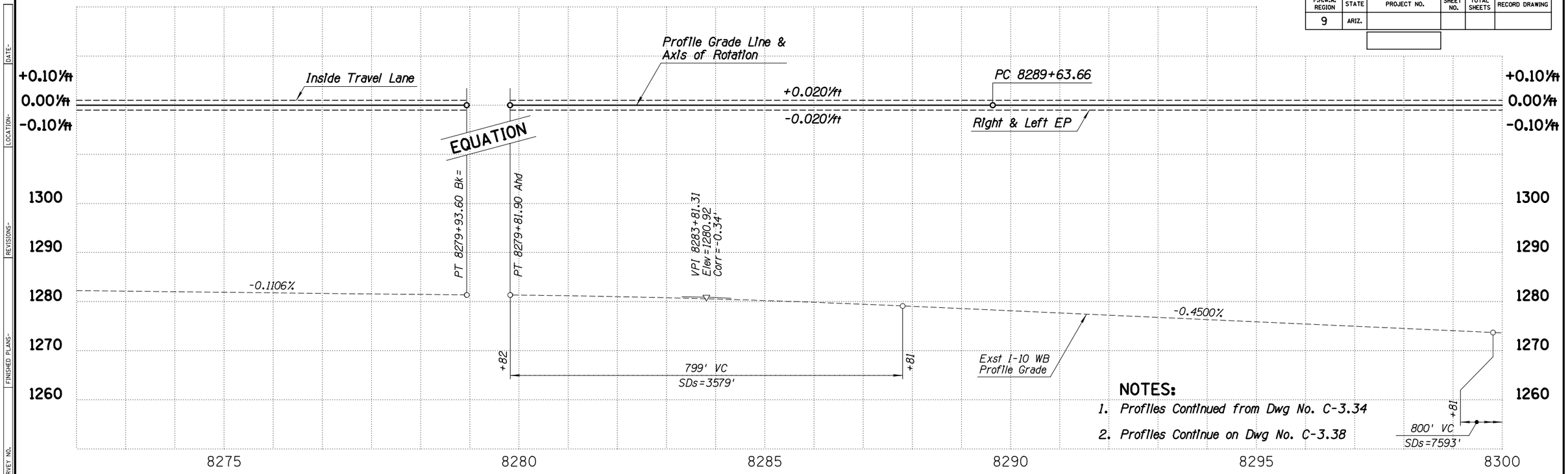
TRACS NO. H8768 01L

____ OF ____

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768p09.dgn

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

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



NOTES:

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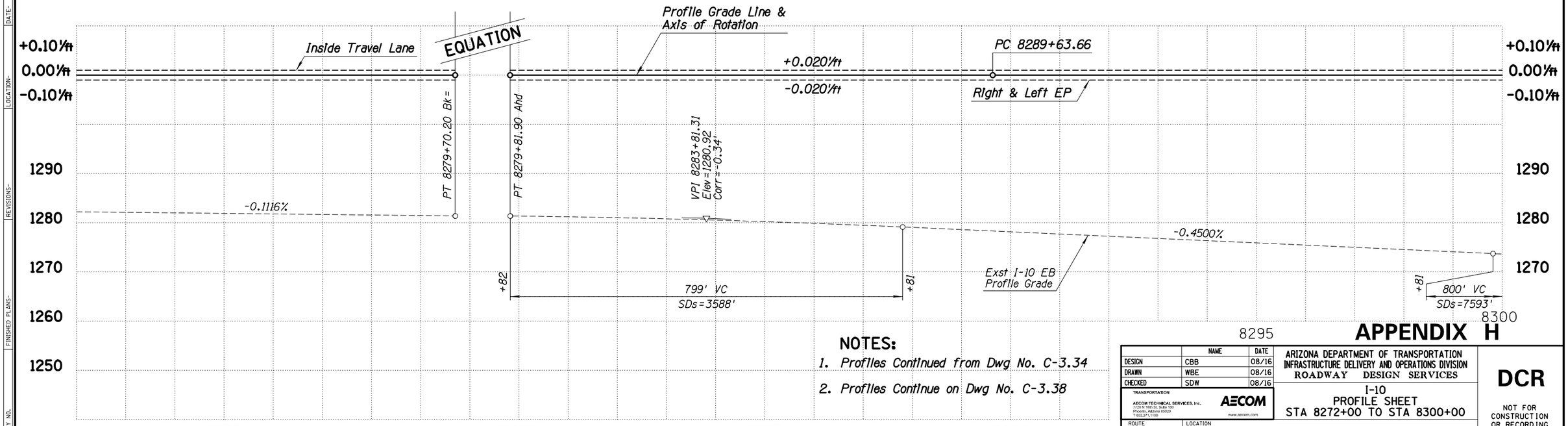
2. Profiles Continue on Dwg No. C-3.38



NOTES:

1. Profiles Continued from Dwg No. C-3.34
2. Profiles Continue on Dwg No. C-3.38

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

I-10
PROFILE SHEET
STA 8272+00 TO STA 8300+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR 202L, Santan/South Mountain	C-3.36

TRACS NO. H8768 01L ____ OF ____

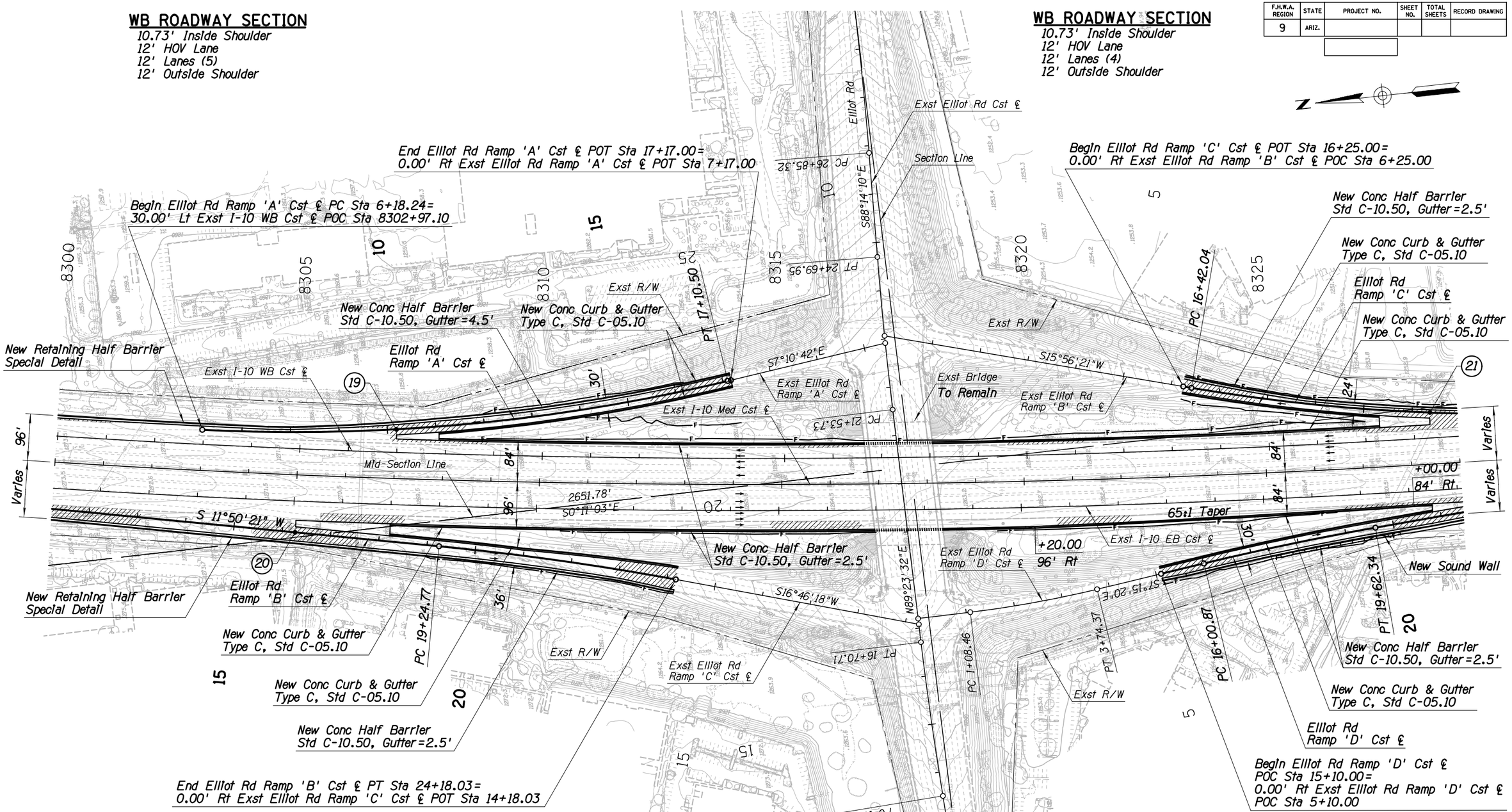
8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v55.dgn

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

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

WB ROADWAY SECTION
10.73' Inside Shoulder
12' HOV Lane
12' Lanes (5)
12' Outside Shoulder

WB ROADWAY SECTION
10.73' Inside Shoulder
12' HOV Lane
12' Lanes (4)
12' Outside Shoulder



NOTES:

1. For Existing and Proposed Geometric Data, See Geometric Sheets
2. For New Drainage System Concept, See Drainage Plans
3. For Nose of Gore Control Point (X) See Dwg No C-1.19

EB ROADWAY SECTION
10.73' Inside Shoulder
12' HOV Lane
12' Lanes (5)
12' Outside Shoulder

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

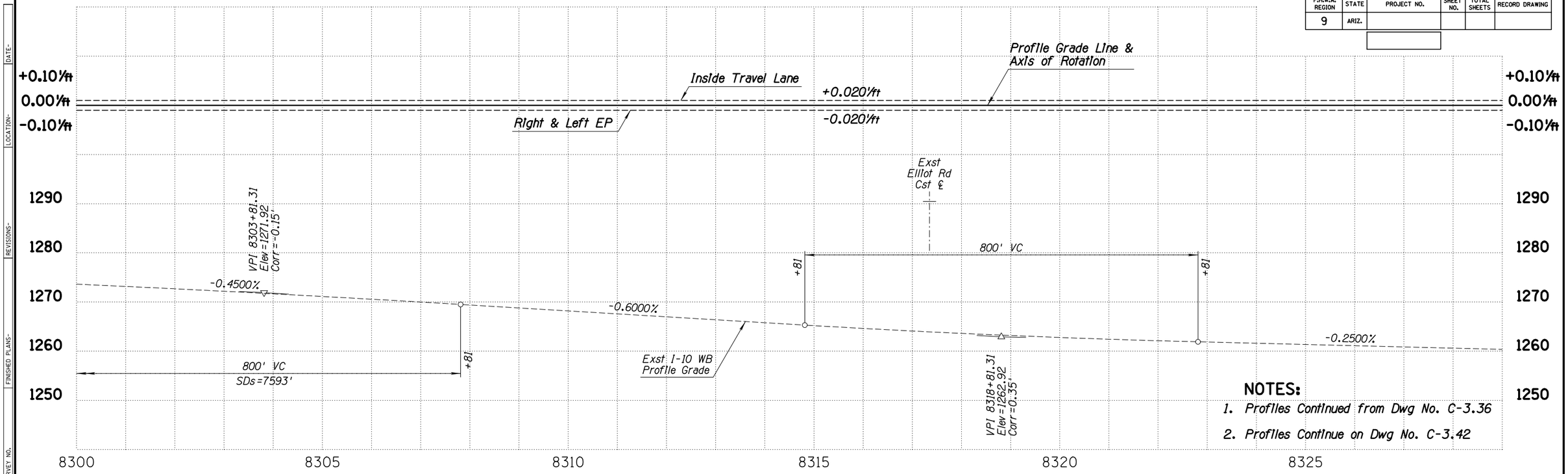
I-10
PLAN SHEET
Sta 8300+00 to Sta 8329+00

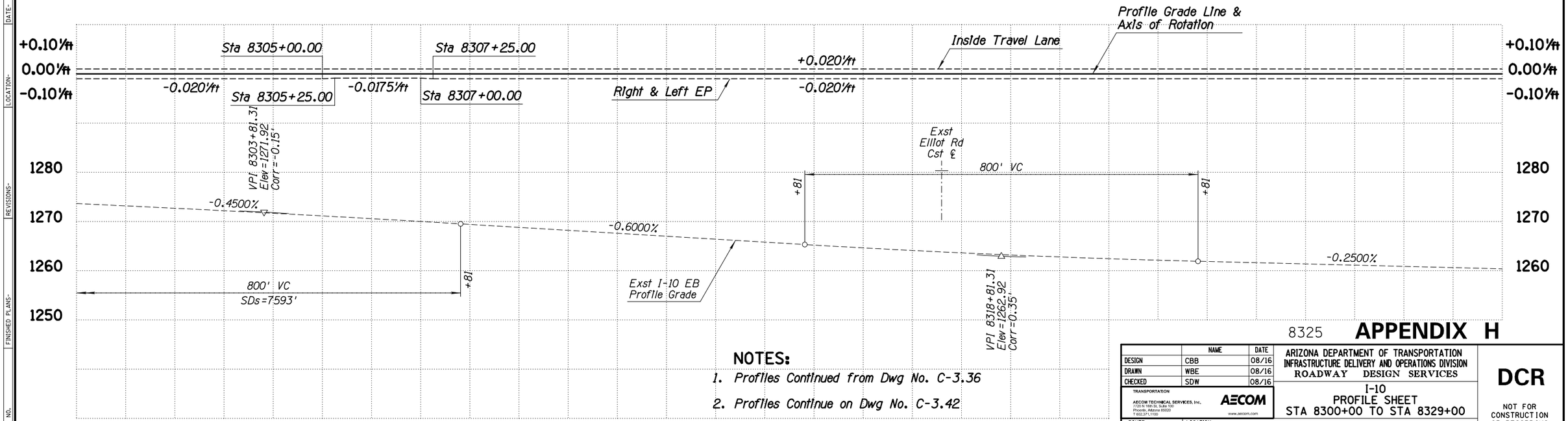
DCR
NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-3.37
TRACS NO. H8768 01L
___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768p10.dgn

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





APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

I-10
PROFILE SHEET
STA 8300+00 TO STA 8329+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
I-10	SR 143 - SR 202L, Santan/South Mountain

DWG NO. C-3.38

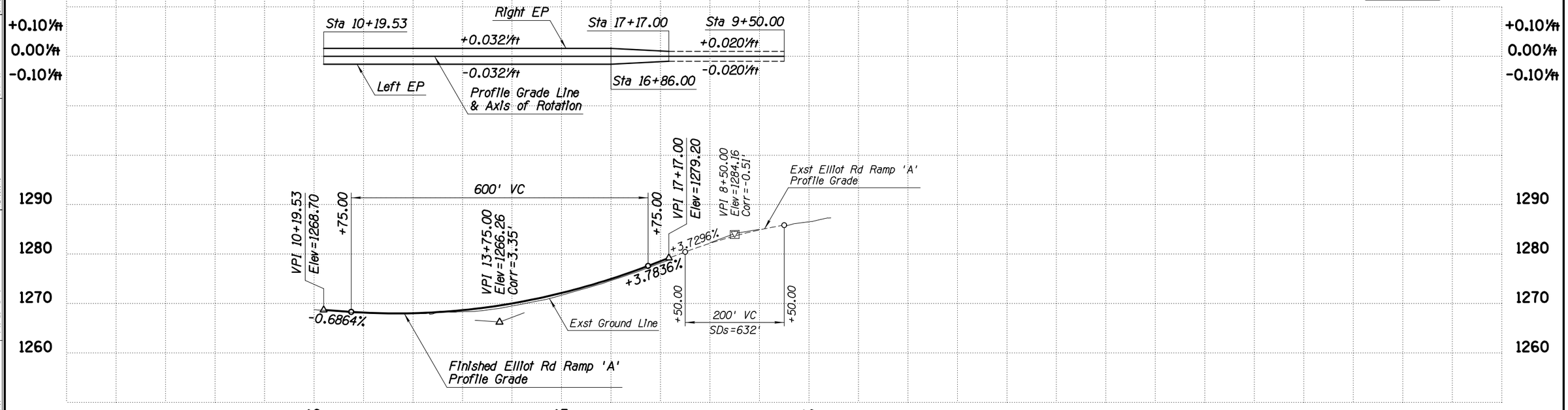
TRACS NO. H8768 01L

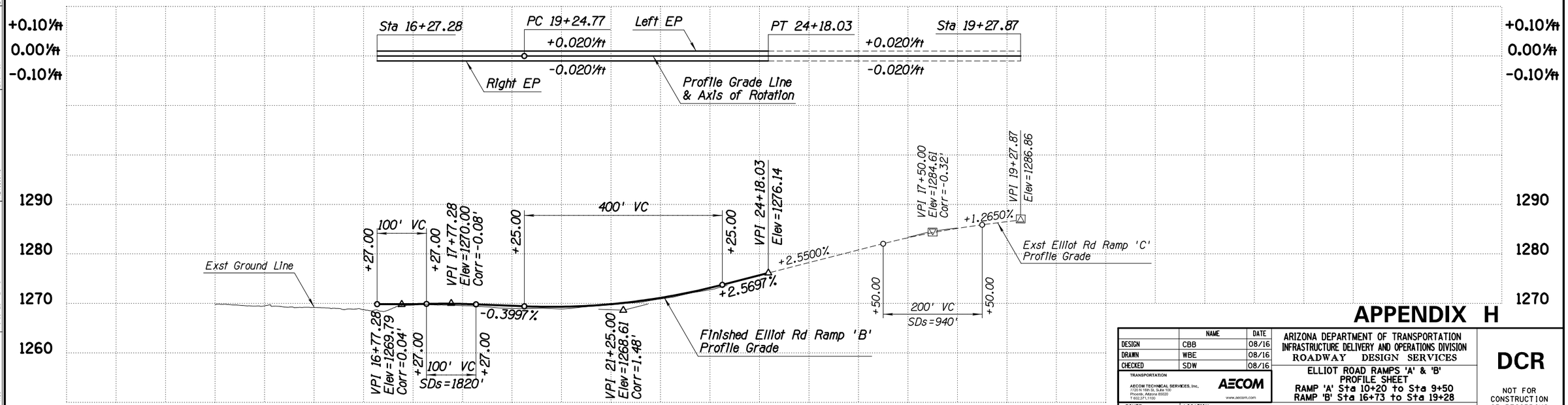
___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v56.dgn

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

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





APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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ARIZONA DEPARTMENT OF TRANSPORTATION
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ROADWAY DESIGN SERVICES

ELLIOT ROAD RAMPS 'A' & 'B'
PROFILE SHEET
RAMP 'A' Sta 10+20 to Sta 9+50
RAMP 'B' Sta 16+73 to Sta 19+28

DCR

NOT FOR CONSTRUCTION OR RECORDING

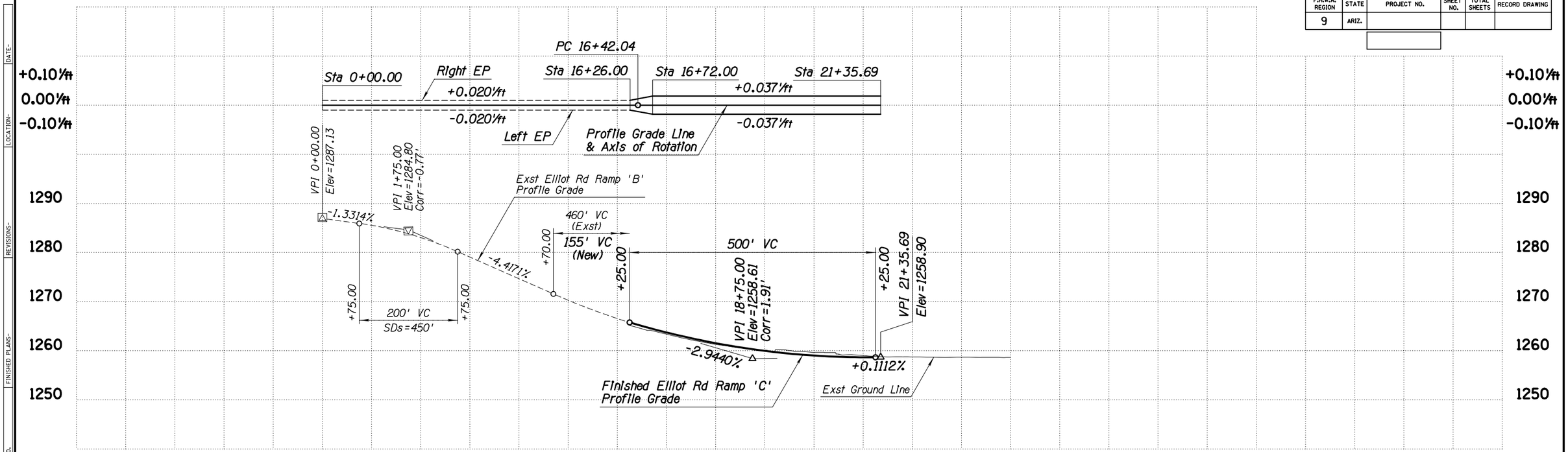
ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR 202L, Santan/South Mountain	C-3.39

TRACS NO. H8768 01L ____ OF ____

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v57.dgn

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

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



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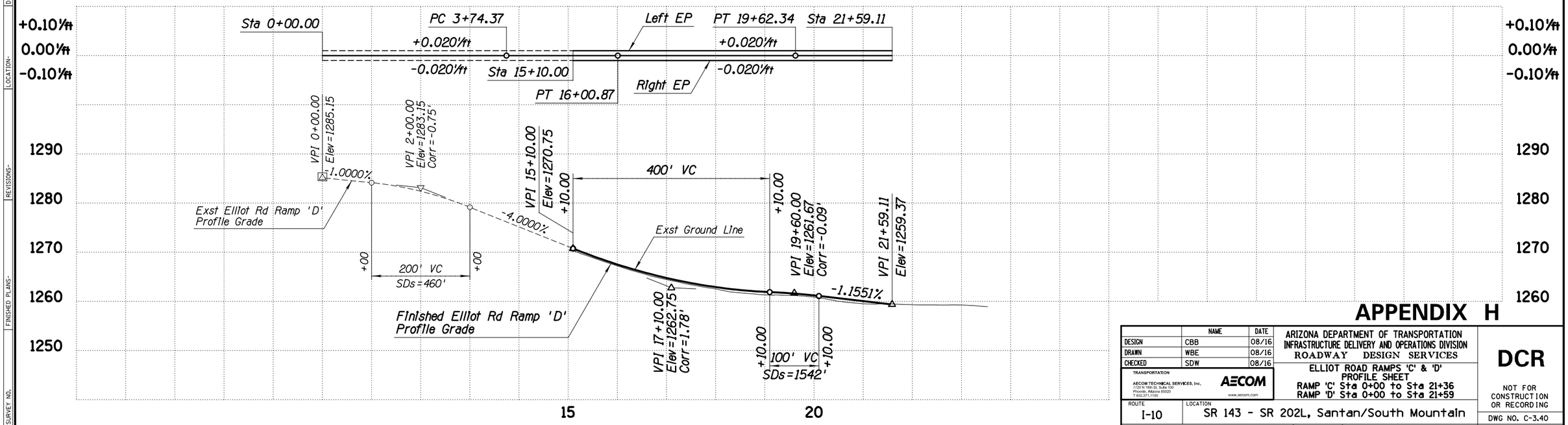

15 20

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v58.dgn

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

ELLIOT ROAD RAMPS 'C' & 'D'
PROFILE SHEET
RAMP 'C' Sta 0+00 to Sta 21+36
RAMP 'D' Sta 0+00 to Sta 21+59

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR 202L, Santan/South Mountain	C-3.40

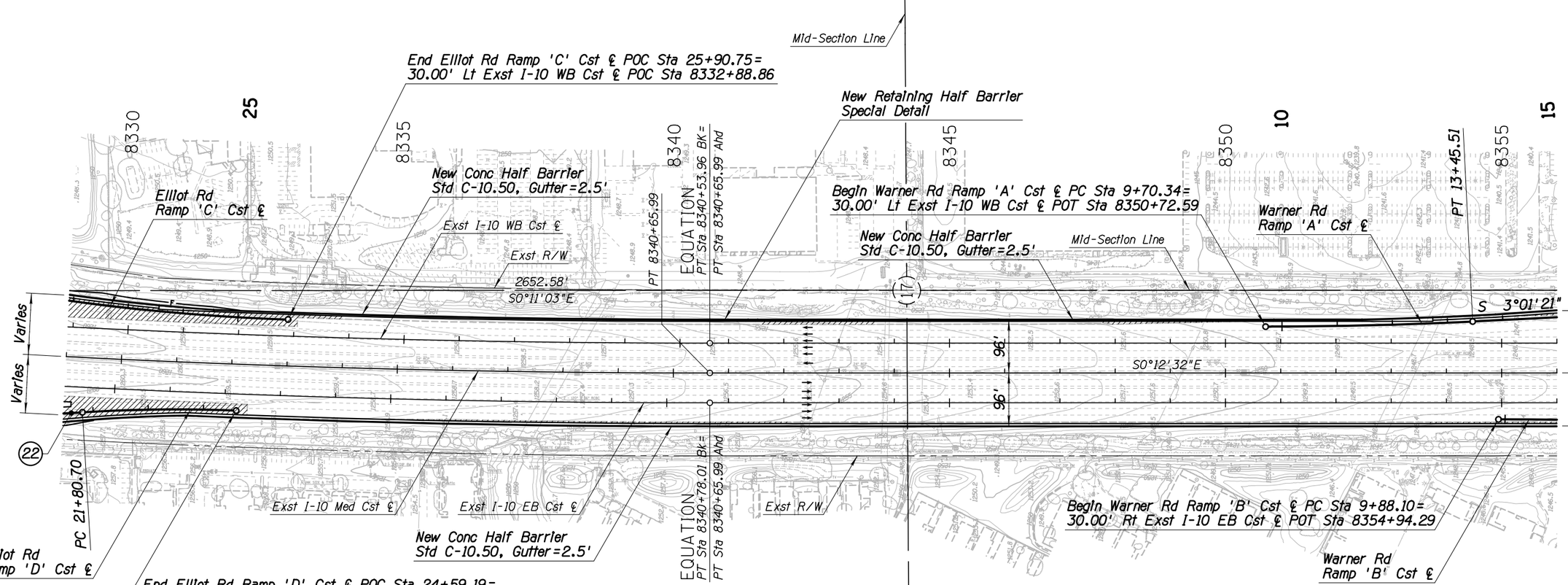
TRACS NO. H8768 01L ____ OF ____

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

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

WB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (4)
12' Auxiliary Lane
12' Outside Shoulder



EB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (4)
12' Auxiliary Lane
12' Outside Shoulder

NOTES:

1. For Existing and Proposed Geometric Data, See Geometric Sheets
2. For New Drainage System Concept, See Drainage Plans
3. For Nose of Gore Control Point (X) See Dwg No C-1.19

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
7720 N 16th St, Suite 100
Phoenix, Arizona 85020
T 602.371.1100
AECOM
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

I-10
PLAN SHEET
Sta 8329+00 to Sta 8356+00

DCR

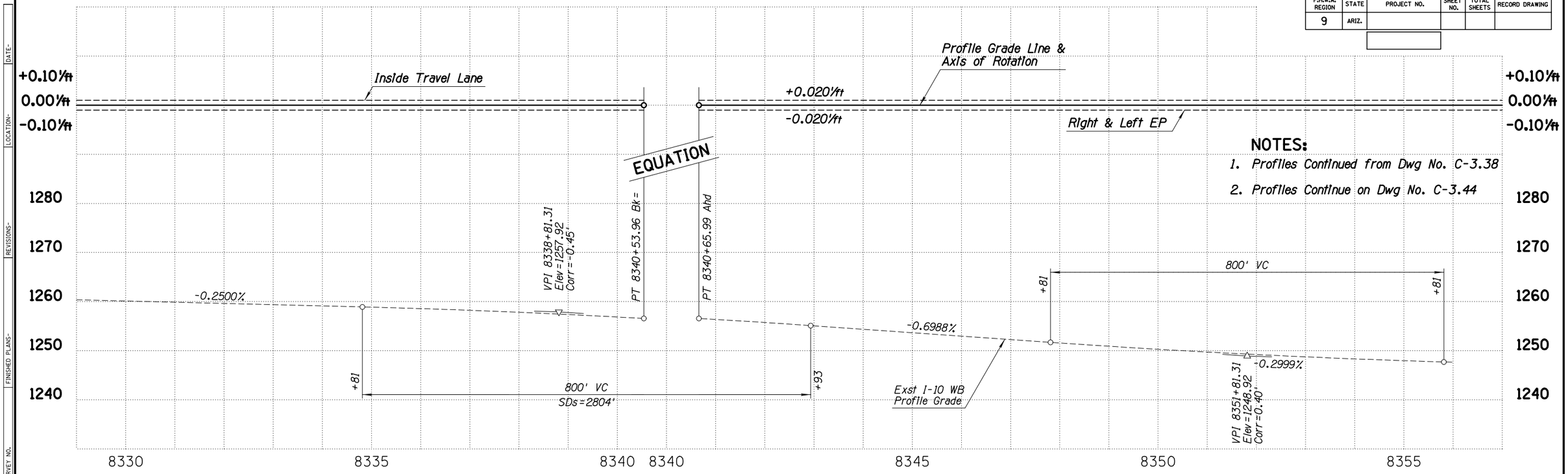
NOT FOR CONSTRUCTION OR RECORDING

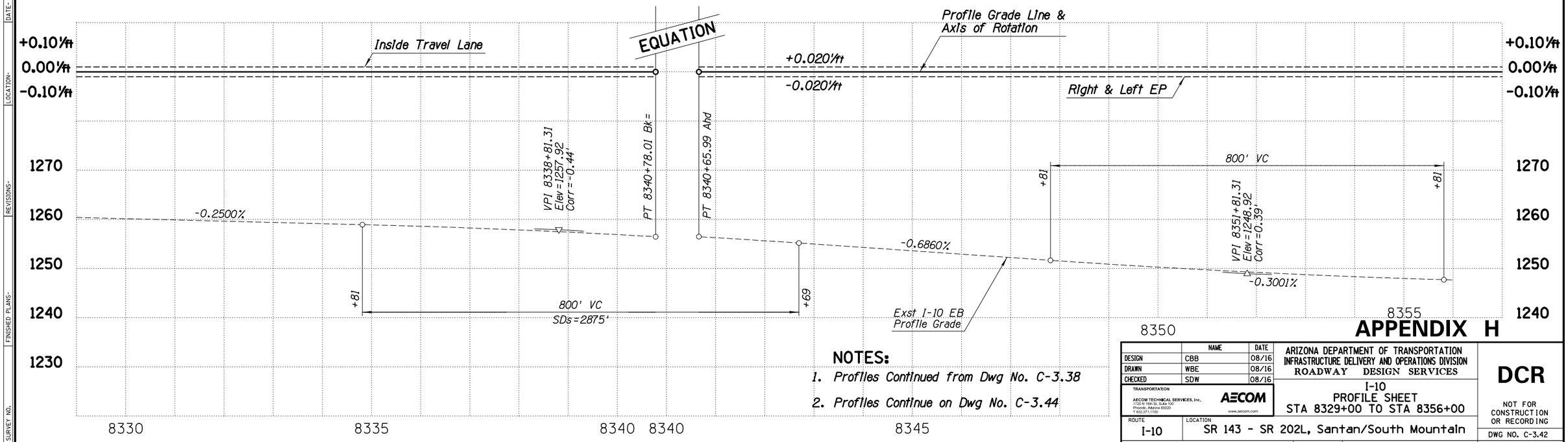
ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-3.41
TRACS NO. H8768 01L
___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768p11.dgn

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

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





NOTES:
1. Profiles Continued from Dwg No. C-3.38
2. Profiles Continue on Dwg No. C-3.44

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

I-10
PROFILE SHEET
STA 8329+00 TO STA 8356+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-3.42

TRACS NO. H8768 01L

___ OF ___

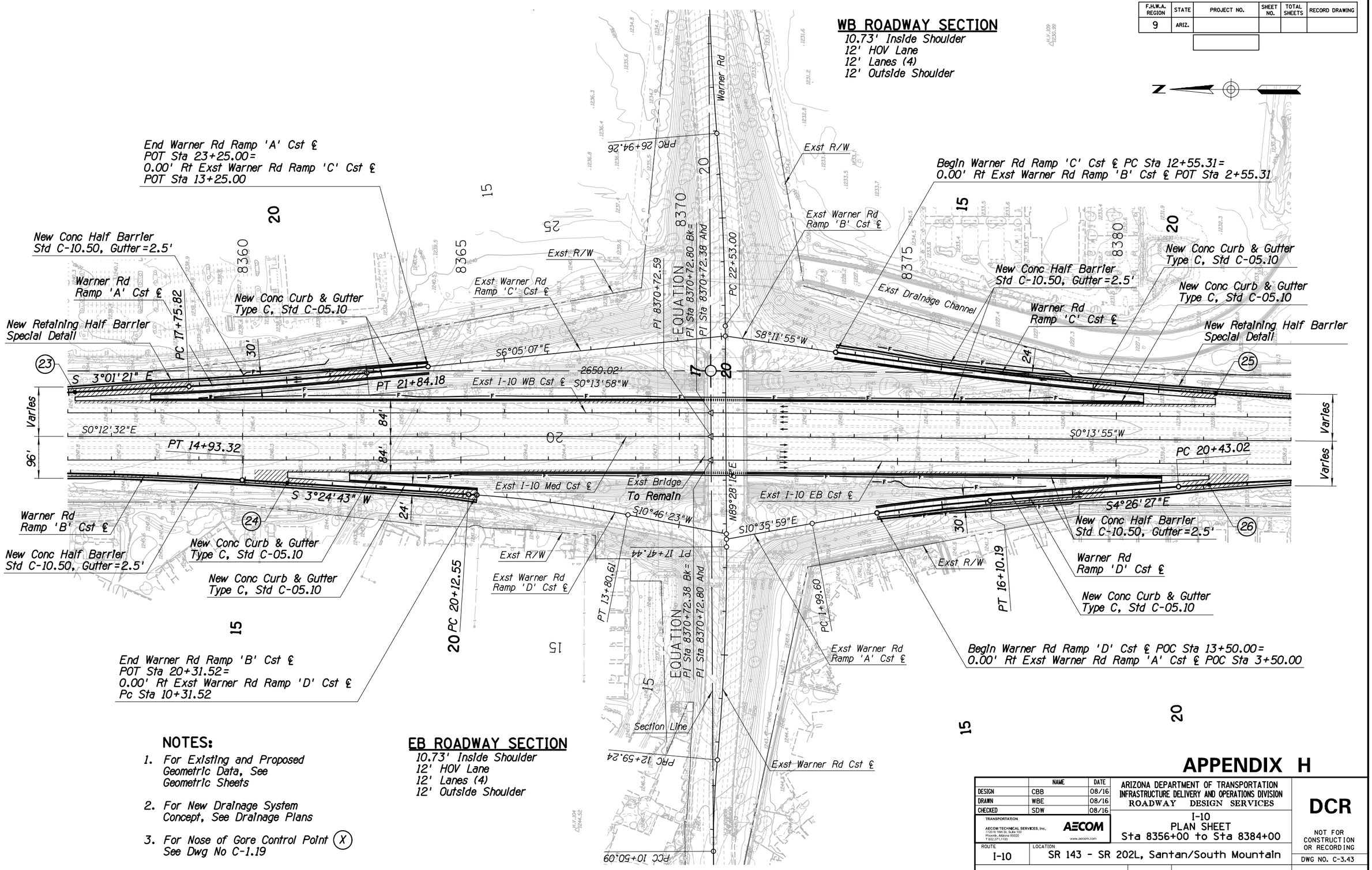
8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v59.dgn

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

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

WB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (4)
12' Outside Shoulder



EB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (4)
12' Outside Shoulder

NOTES:

1. For Existing and Proposed Geometric Data, See Geometric Sheets
2. For New Drainage System Concept, See Drainage Plans
3. For Nose of Gore Control Point (X) See Dwg No C-1.19

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

I-10
PLAN SHEET
Sta 8356+00 to Sta 8384+00

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-3.43

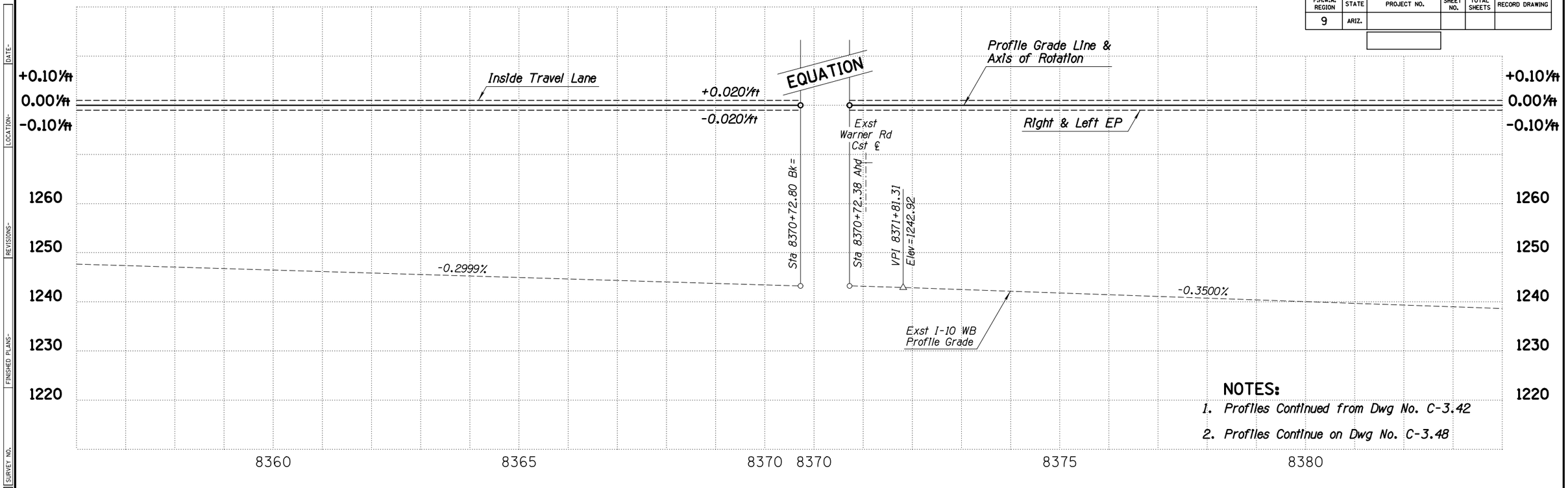
____ OF ____

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768p12.dgn

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

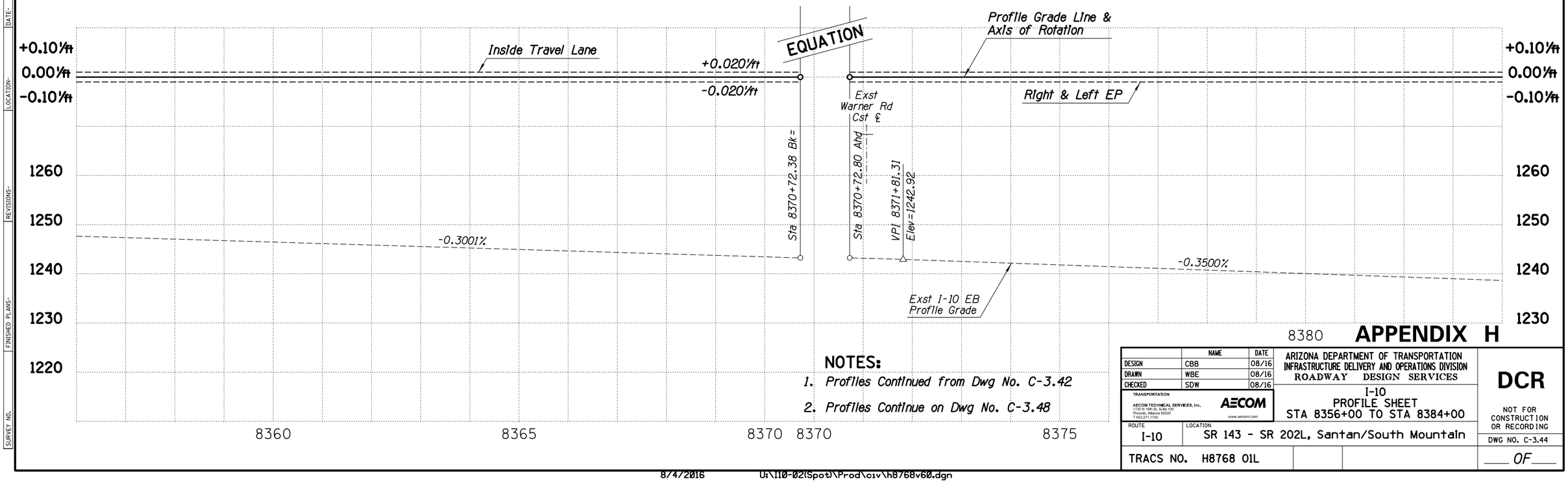
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

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



NOTES:

1. Profiles Continued from Dwg No. C-3.42
2. Profiles Continue on Dwg No. C-3.48



NOTES:

1. Profiles Continued from Dwg No. C-3.42
2. Profiles Continue on Dwg No. C-3.48

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

I-10
PROFILE SHEET
STA 8356+00 TO STA 8384+00

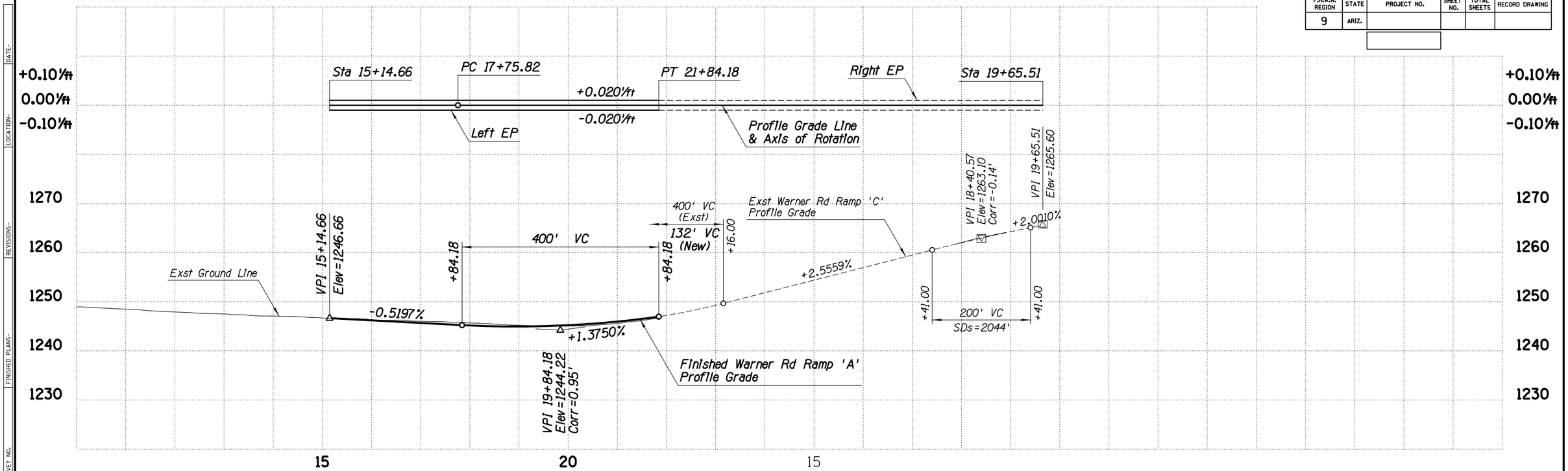
DCR

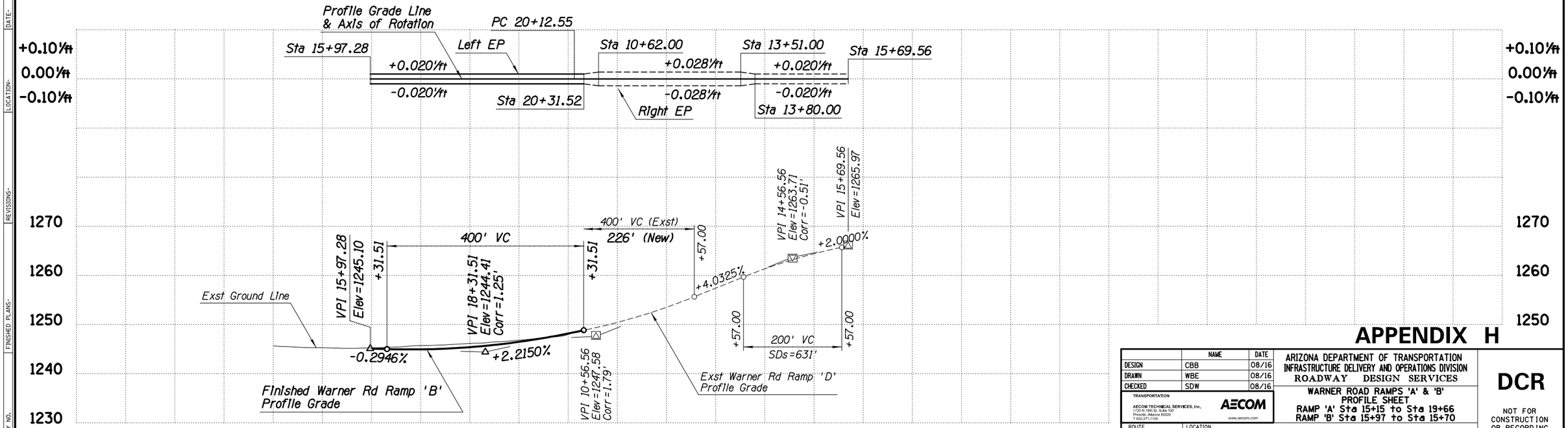
NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-3.44
TRACS NO. H8768 01L
___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v60.dgn

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





APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

WARNER ROAD RAMPS 'A' & 'B'
PROFILE SHEET
RAMP 'A' Sta 15+15 to Sta 19+66
RAMP 'B' Sta 15+97 to Sta 15+70

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR 202L, Santan/South Mountain	C-3.45

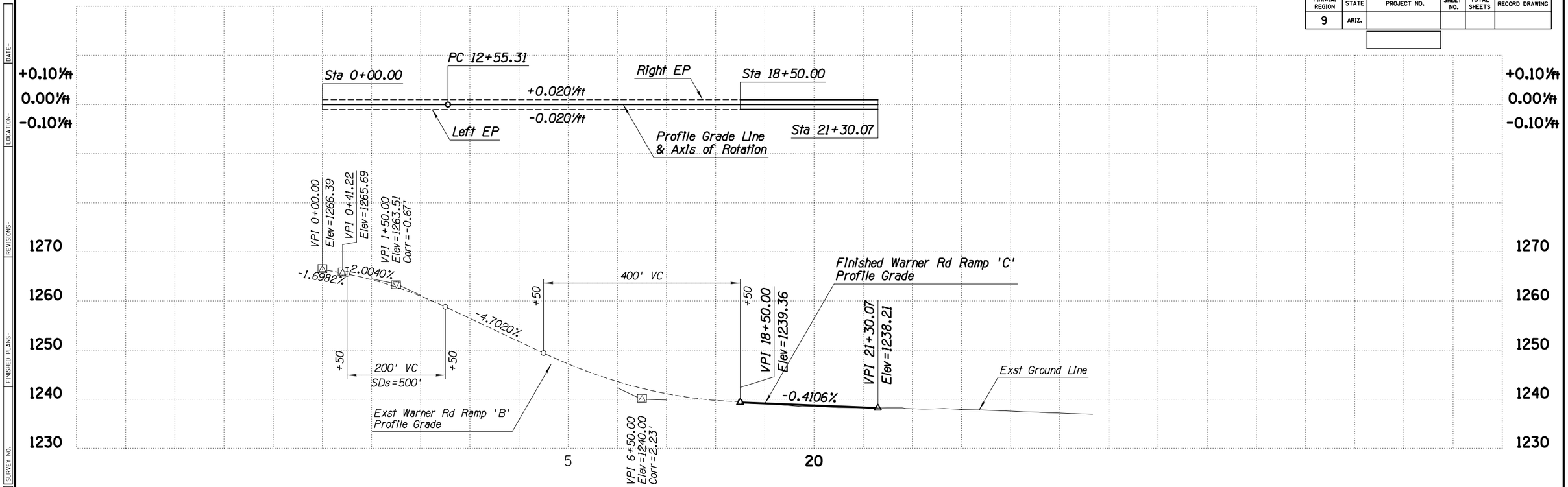
TRACS NO. H8768 01L ____ OF ____

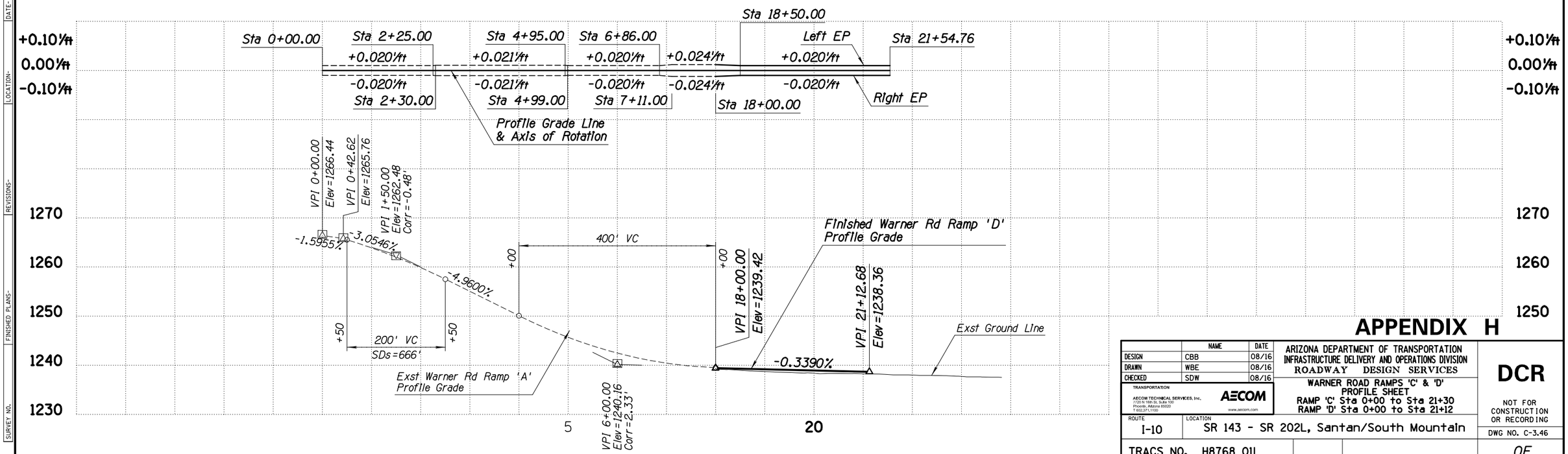
8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v62.dgn

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

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

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





APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

WARNER ROAD RAMPS 'C' & 'D'
PROFILE SHEET
RAMP 'C' Sta 0+00 to Sta 21+30
RAMP 'D' Sta 0+00 to Sta 21+12

ROUTE I-10
LOCATION SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-3.46

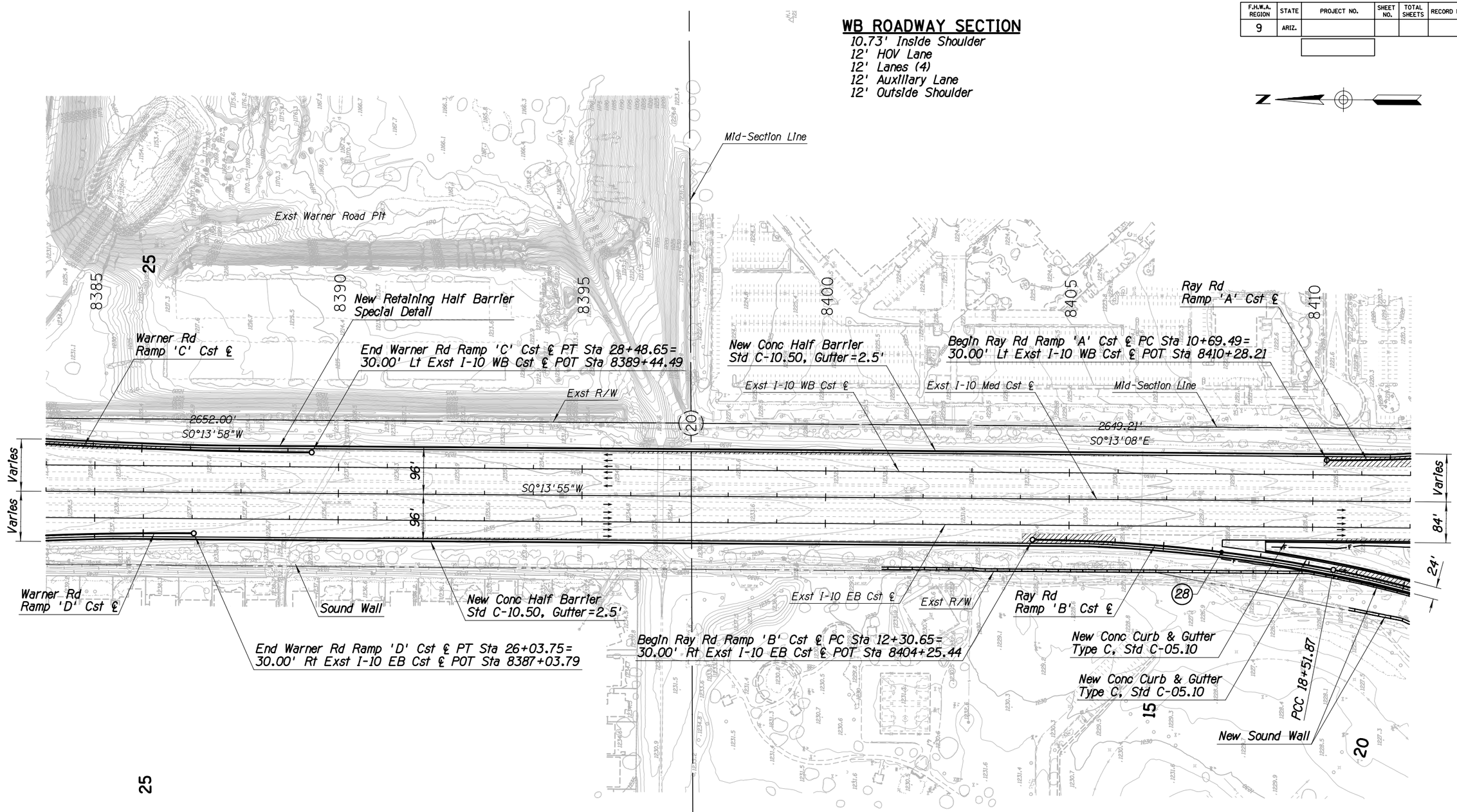
___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v61.dgn

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

WB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (4)
12' Auxiliary Lane
12' Outside Shoulder



EB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (4)
12' Auxiliary Lane
12' Outside Shoulder

NOTES:

1. For Existing and Proposed Geometric Data, See Geometric Sheets
2. For New Drainage System Concept, See Drainage Plans
3. For Nose of Gore Control Point (X) See Dwg No C-1.19

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

I-10
PLAN SHEET
Sta 8384+00 to Sta 8412+00

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING

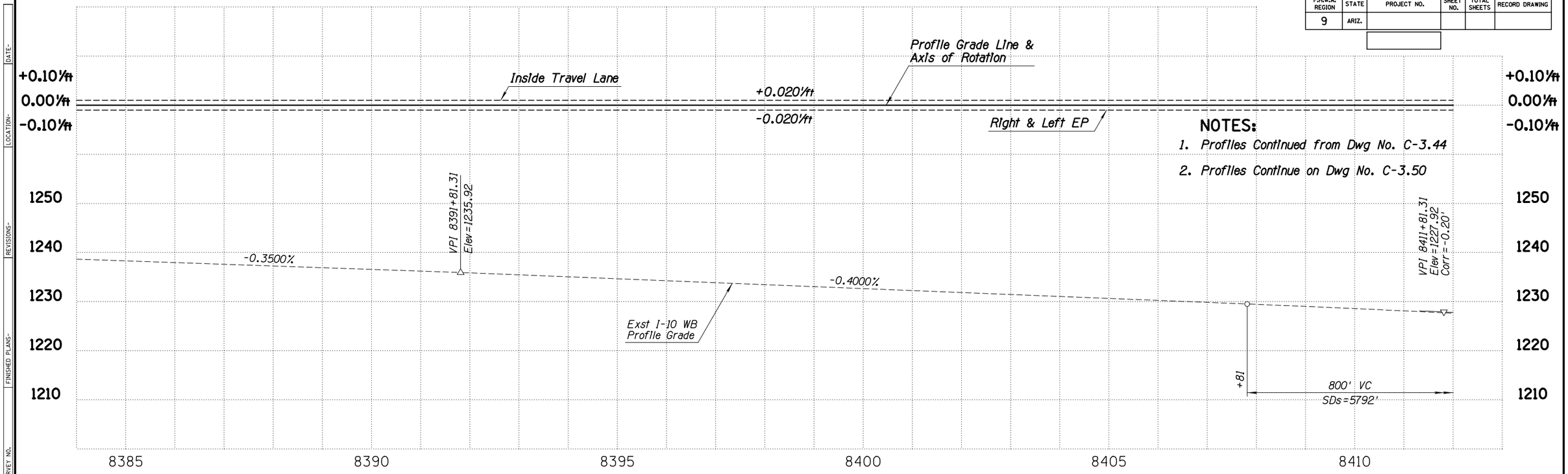
DWG NO. C-3.47

___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768p13.dgn

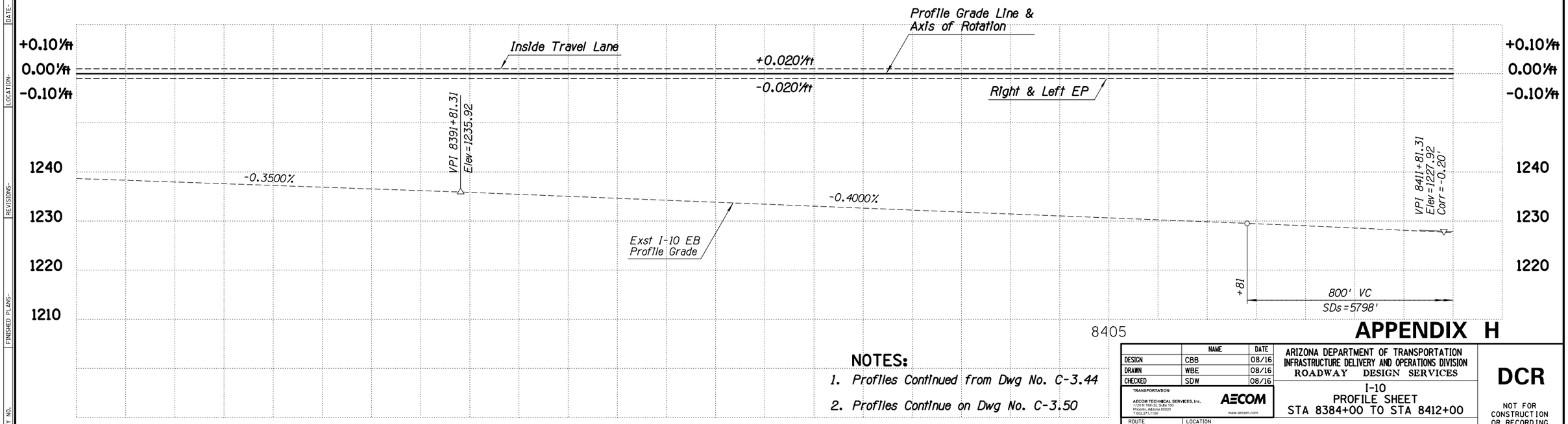
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

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



NOTES:

1. Profiles Continued from Dwg No. C-3.44
2. Profiles Continue on Dwg No. C-3.50



NOTES:

1. Profiles Continued from Dwg No. C-3.44
2. Profiles Continue on Dwg No. C-3.50

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

I-10
PROFILE SHEET
STA 8384+00 TO STA 8412+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-3.48

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

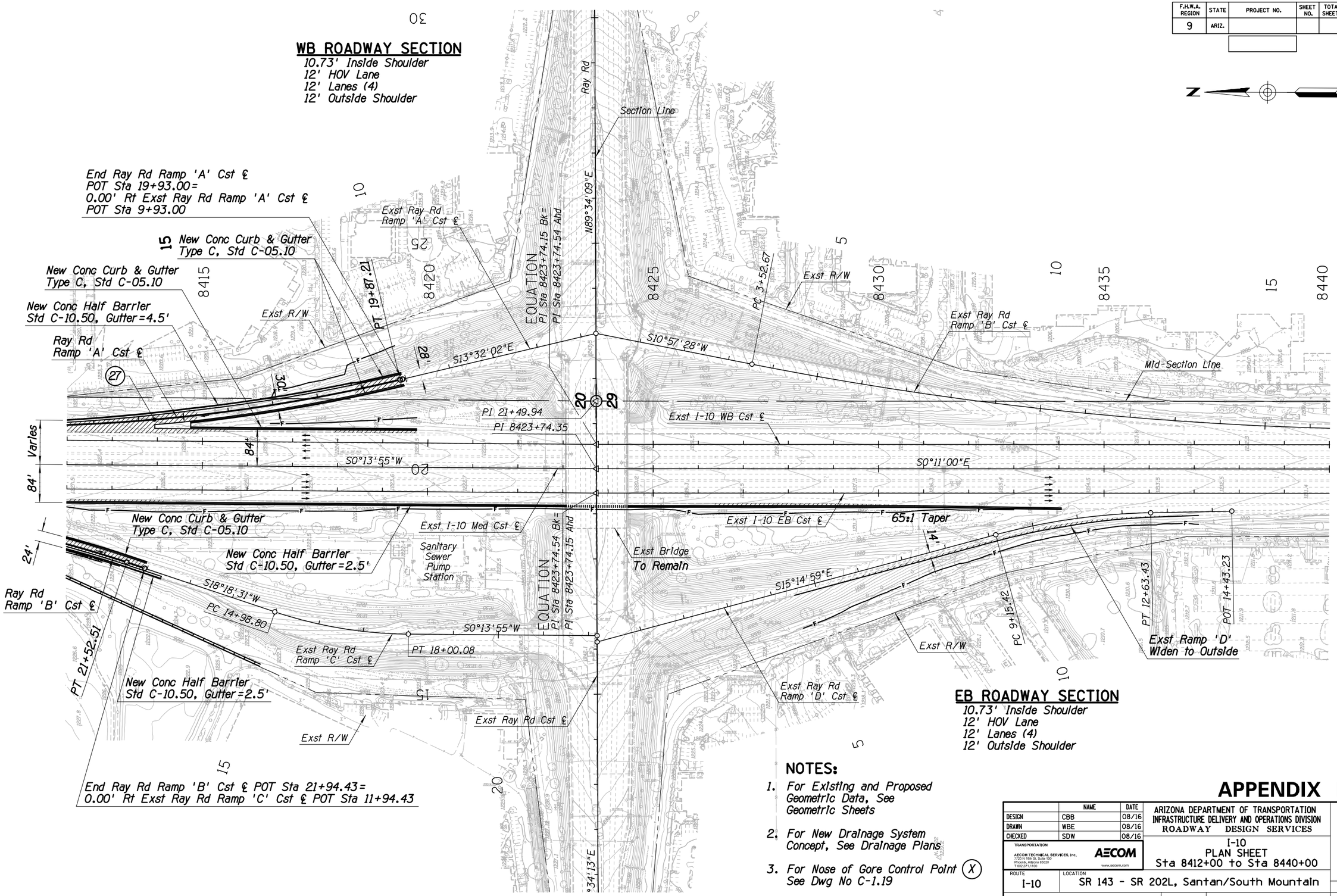
TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v63.dgn

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

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



NOTES:

1. For Existing and Proposed Geometric Data, See Geometric Sheets
2. For New Drainage System Concept, See Drainage Plans
3. For Nose of Gore Control Point (X) See Dwg No C-1.19

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

I-10
PLAN SHEET
Sta 8412+00 to Sta 8440+00

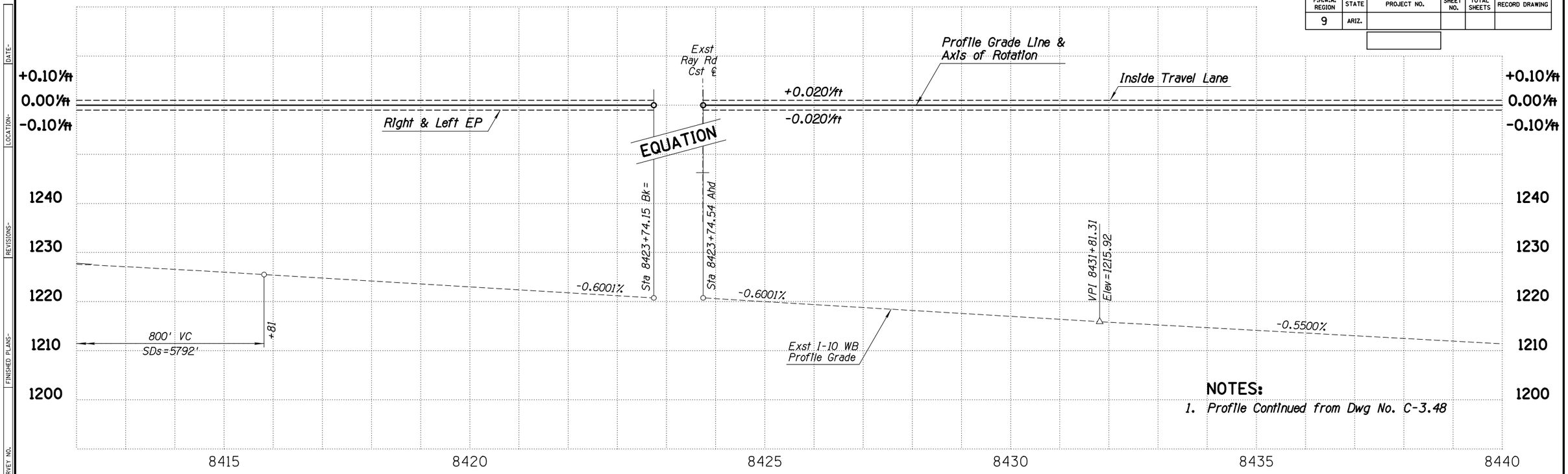
DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-3.49
TRACS NO. H8768 01L
___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768p14.dgn

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



NOTES:
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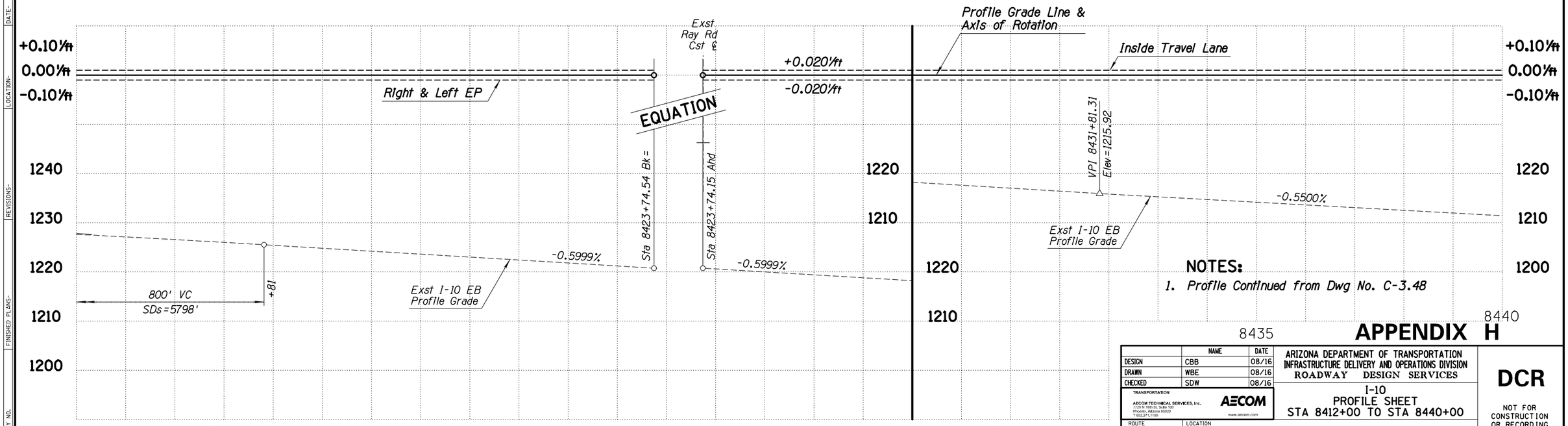

NOTES:
1. Profile Continued from Dwg No. C-3.48

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

I-10
PROFILE SHEET
STA 8412+00 TO STA 8440+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-3.50

TRACS NO. H8768 01L

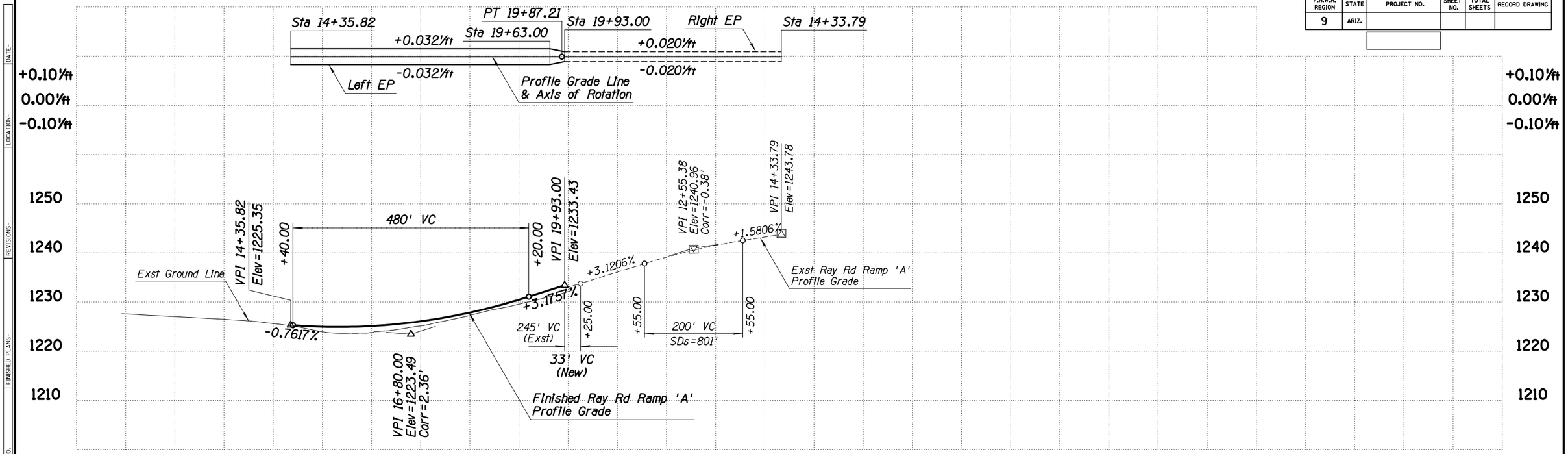
___ OF ___

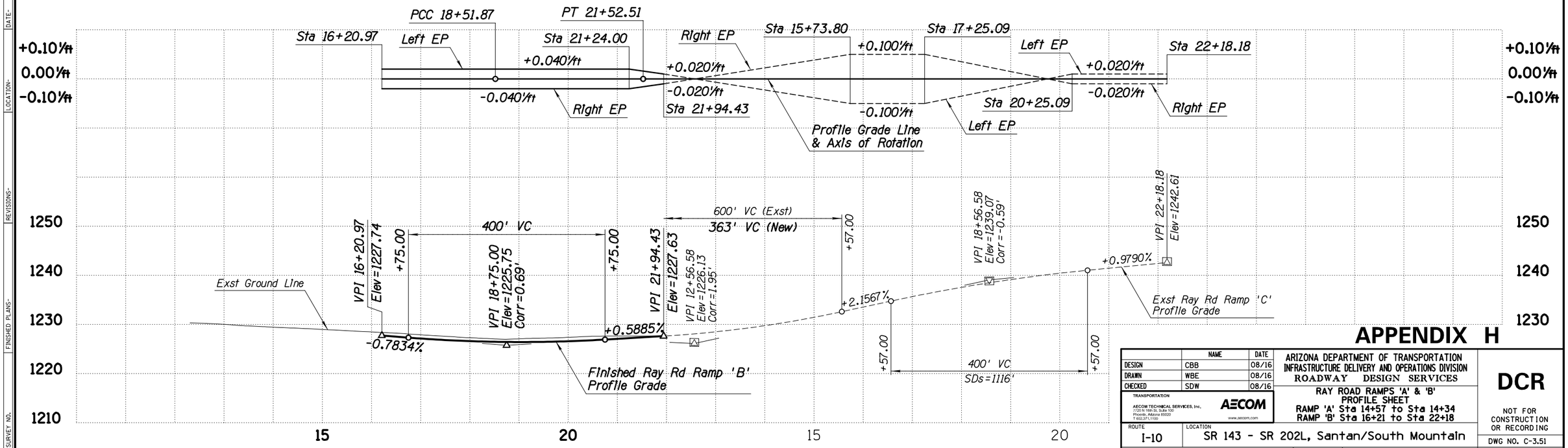
8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v64.dgn

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

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

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





APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

RAY ROAD RAMPS 'A' & 'B'
PROFILE SHEET
RAMP 'A' Sta 14+57 to Sta 14+34
RAMP 'B' Sta 16+21 to Sta 22+18

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-3.51
TRACS NO. H8768 01L
___ OF ___

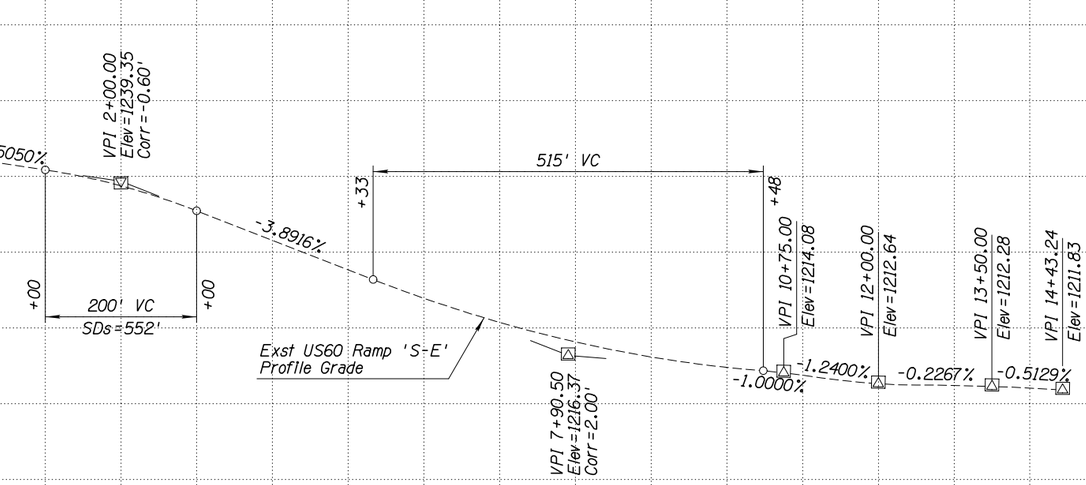
8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v65.dgn

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

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

+0.10%
0.00%
-0.10%

1260
1250
1240
1230
1220
1210
1200
1190



5 10

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

EXST RAY ROAD RAMP 'D'
PROFILE SHEET
STA 0+00 TO STA 14+43

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

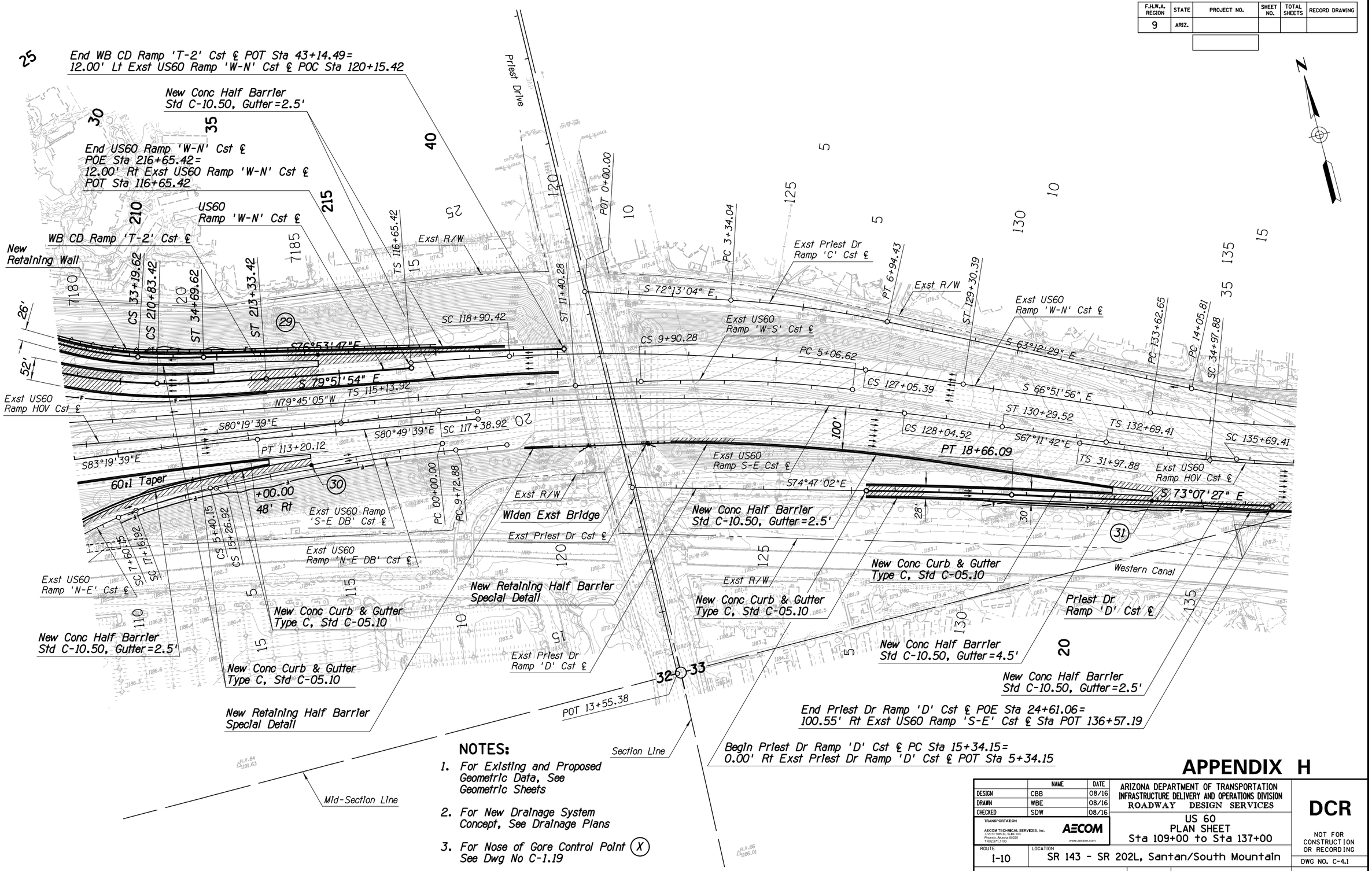
DWG NO. C-3.52

TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v68.dgn

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



NOTES:

1. For Existing and Proposed Geometric Data, See Geometric Sheets
2. For New Drainage System Concept, See Drainage Plans
3. For Nose of Gore Control Point (X) See Dwg No C-1.19

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

US 60
PLAN SHEET
Sta 109+00 to Sta 137+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-4.1

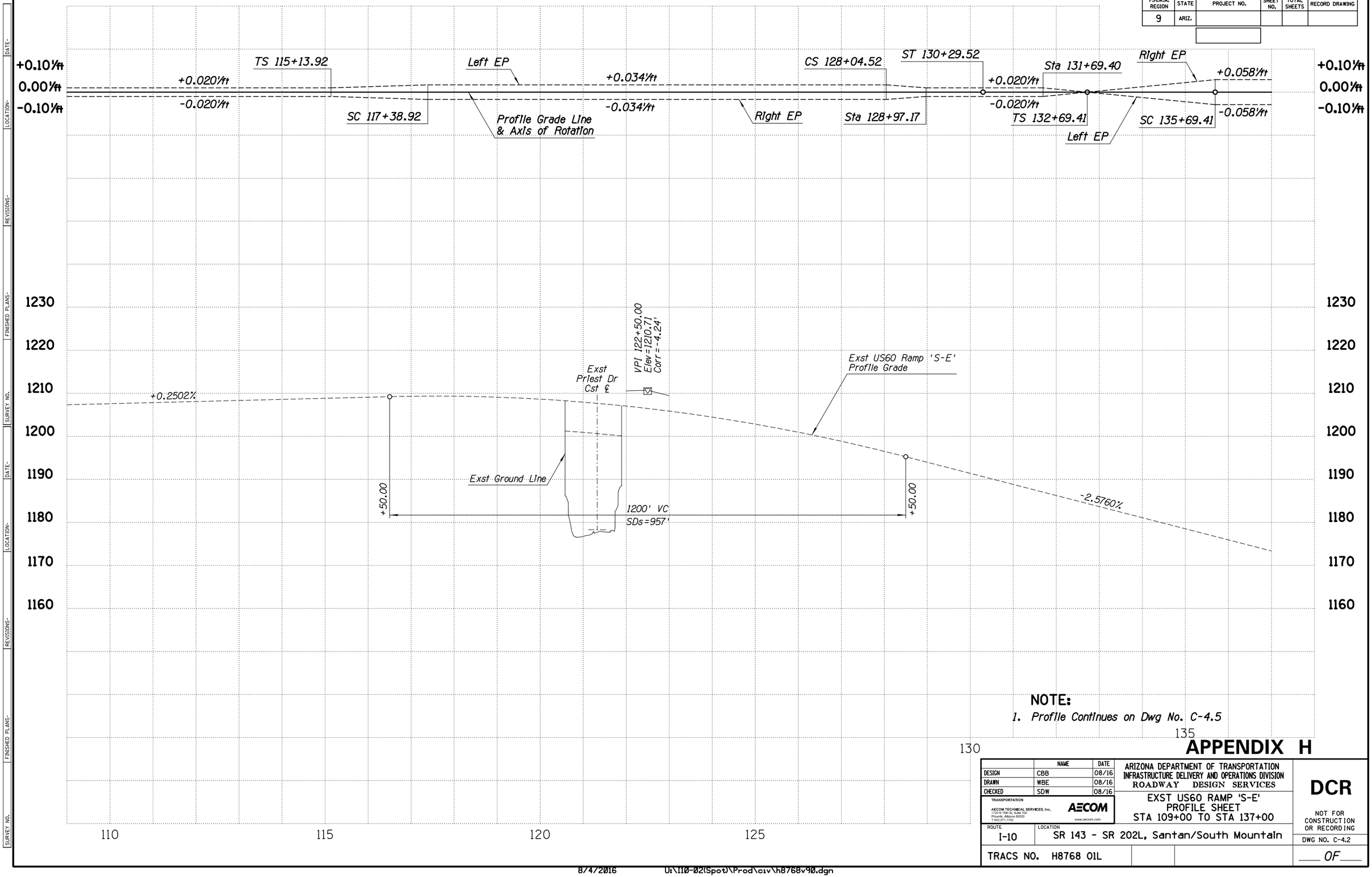
TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768p15.dgn

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

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



NOTE:

1. *Profile Continues on Dwg No. C-4.5*

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

TRANSPORTATION

AECOM TECHNICAL SERVICES, Inc.
7720 N 16th St, Suite 100
Phoenix, Arizona 85020
T 602.371.1100
AECOM
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

EXST US60 RAMP 'S-E'
PROFILE SHEET
STA 109+00 TO STA 137+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10

LOCATION: SR 143 - SR 202L, Santan/South Mountain

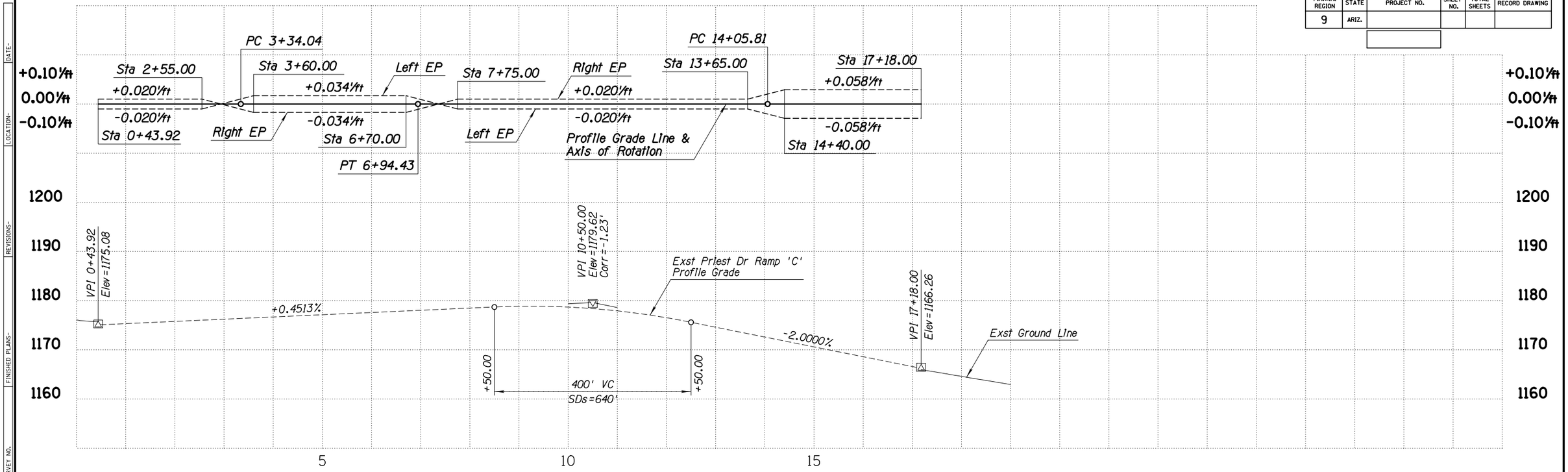
DWG NO. C-4.2

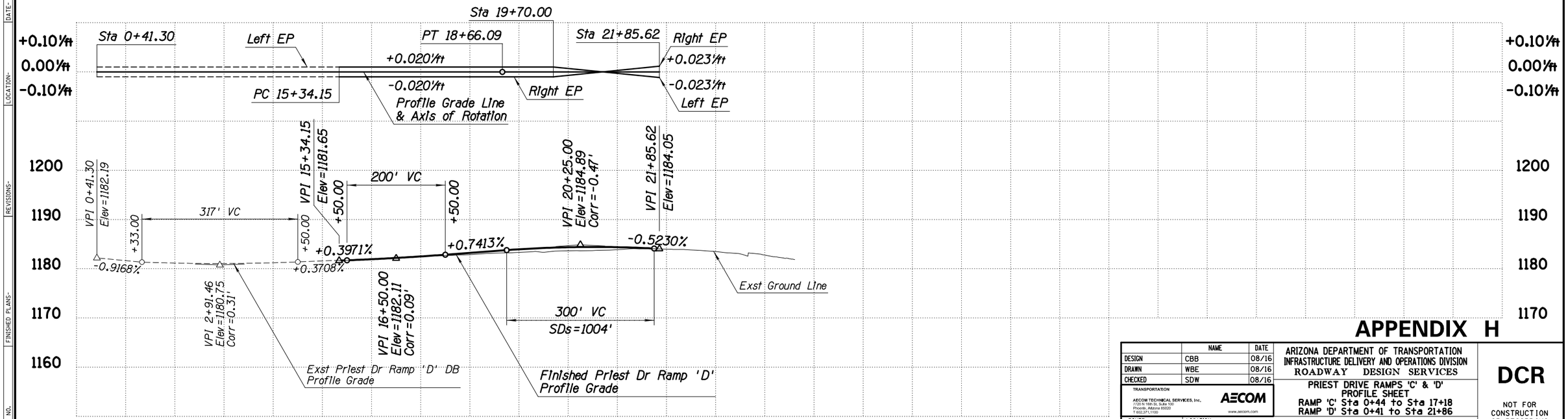
TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v90.dgn

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





APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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Phoenix, Arizona 85020
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

PRIEST DRIVE RAMPS 'C' & 'D'
PROFILE SHEET
RAMP 'C' Sta 0+44 to Sta 17+18
RAMP 'D' Sta 0+41 to Sta 21+86

DCR

NOT FOR CONSTRUCTION OR RECORDING

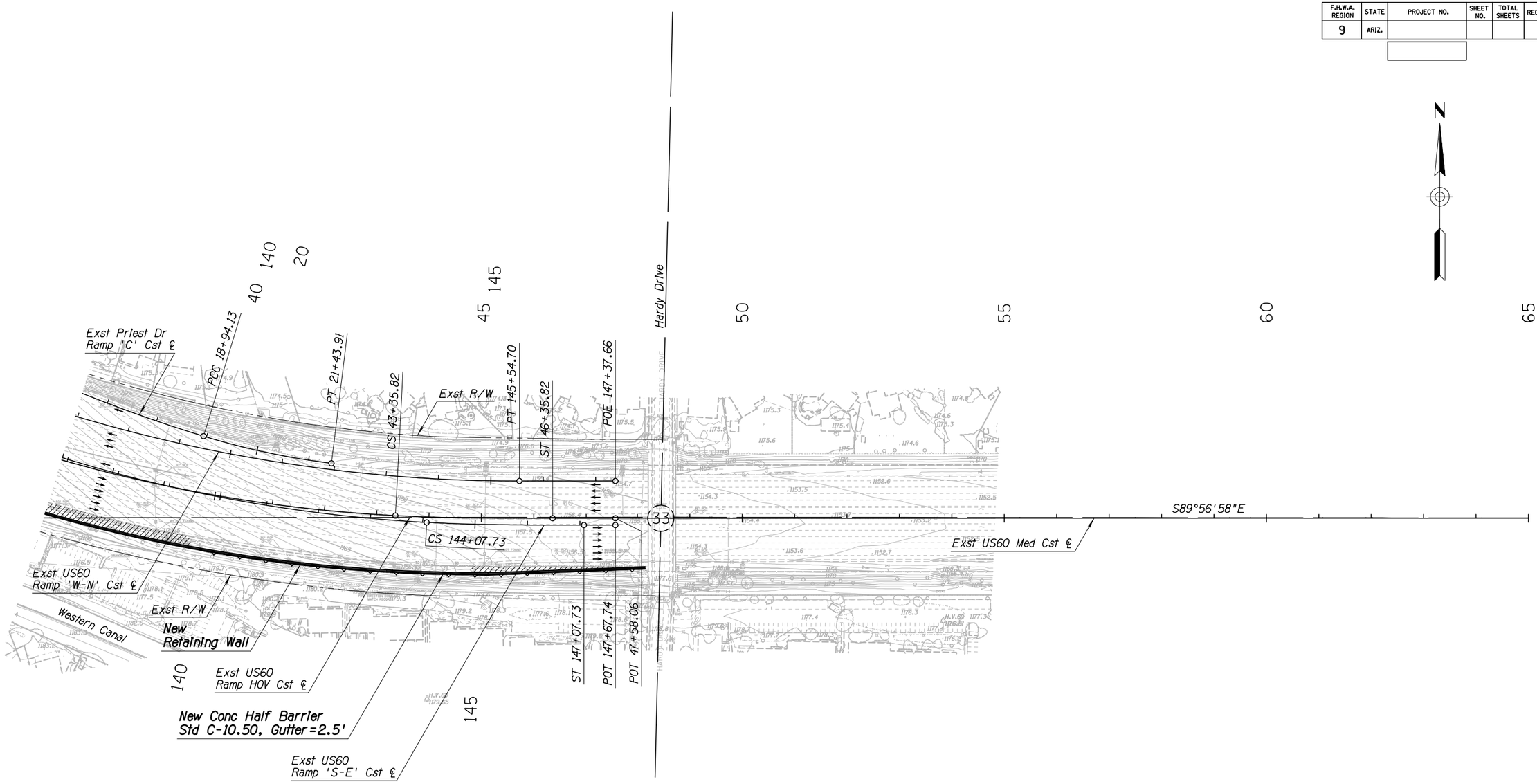
ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR 202L, Santan/South Mountain	C-4.3

TRACS NO. H8768 01L ____ OF ____

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768v91.dgn

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

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



NOTES:

1. *For Existing and Proposed Geometric Data, See Geometric Sheets*
2. *For New Drainage System Concept, See Drainage Plans*

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

US 60
PLAN SHEET
Sta 137+00 to Sta 65+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

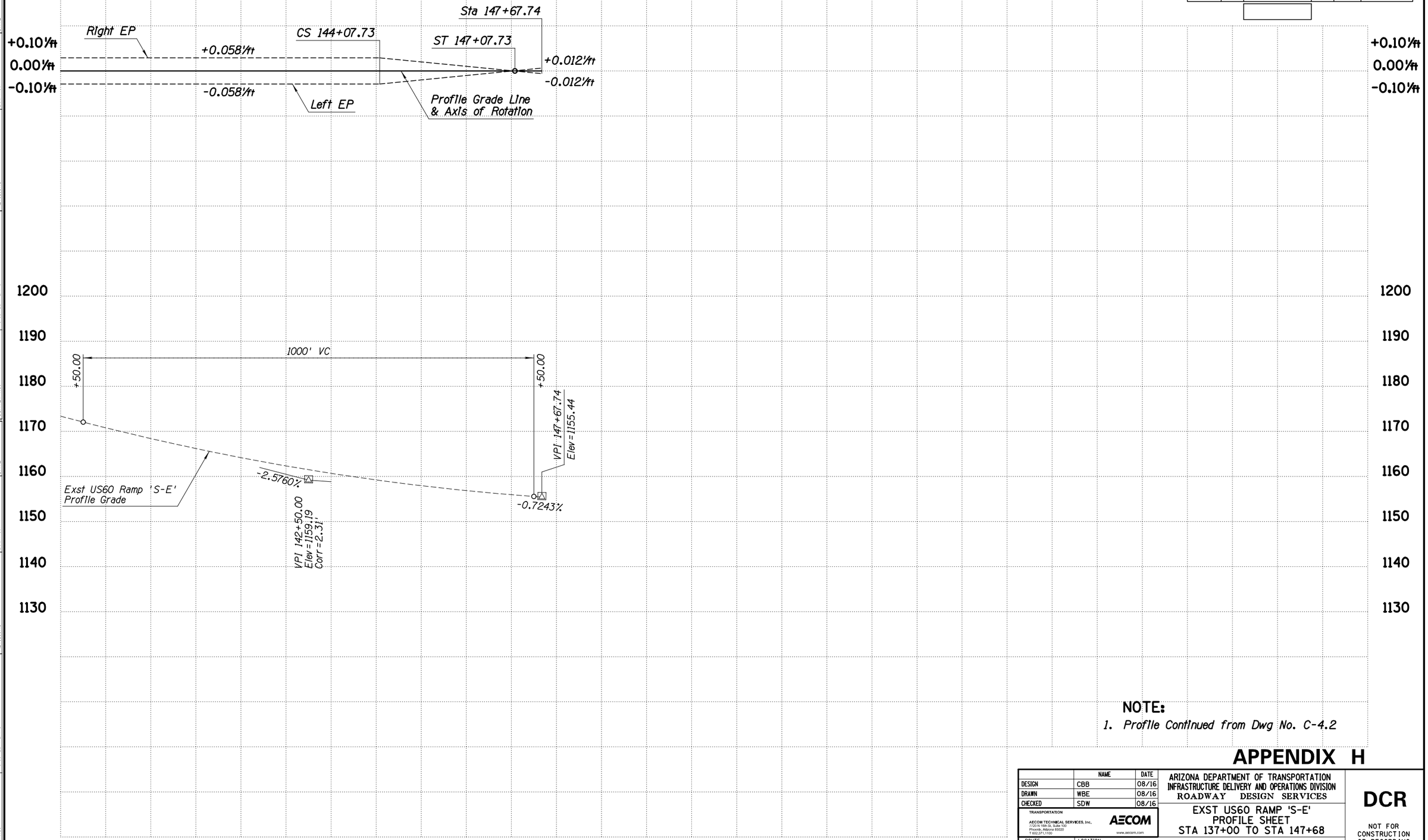
ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR 202L, Santan/South Mountain	C-4.4

TRACS NO. H8768 01L ____ OF ____

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768p16.dgn

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

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



NOTE:

1. *Profile Continued from Dwg No. C-4.2*

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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ARIZONA DEPARTMENT OF TRANSPORTATION
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ROADWAY DESIGN SERVICES

EXST US60 RAMP 'S-E'
PROFILE SHEET
STA 137+00 TO STA 147+68

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO. C-4.5
I-10	SR 143 - SR 202L, Santan/South Mountain	

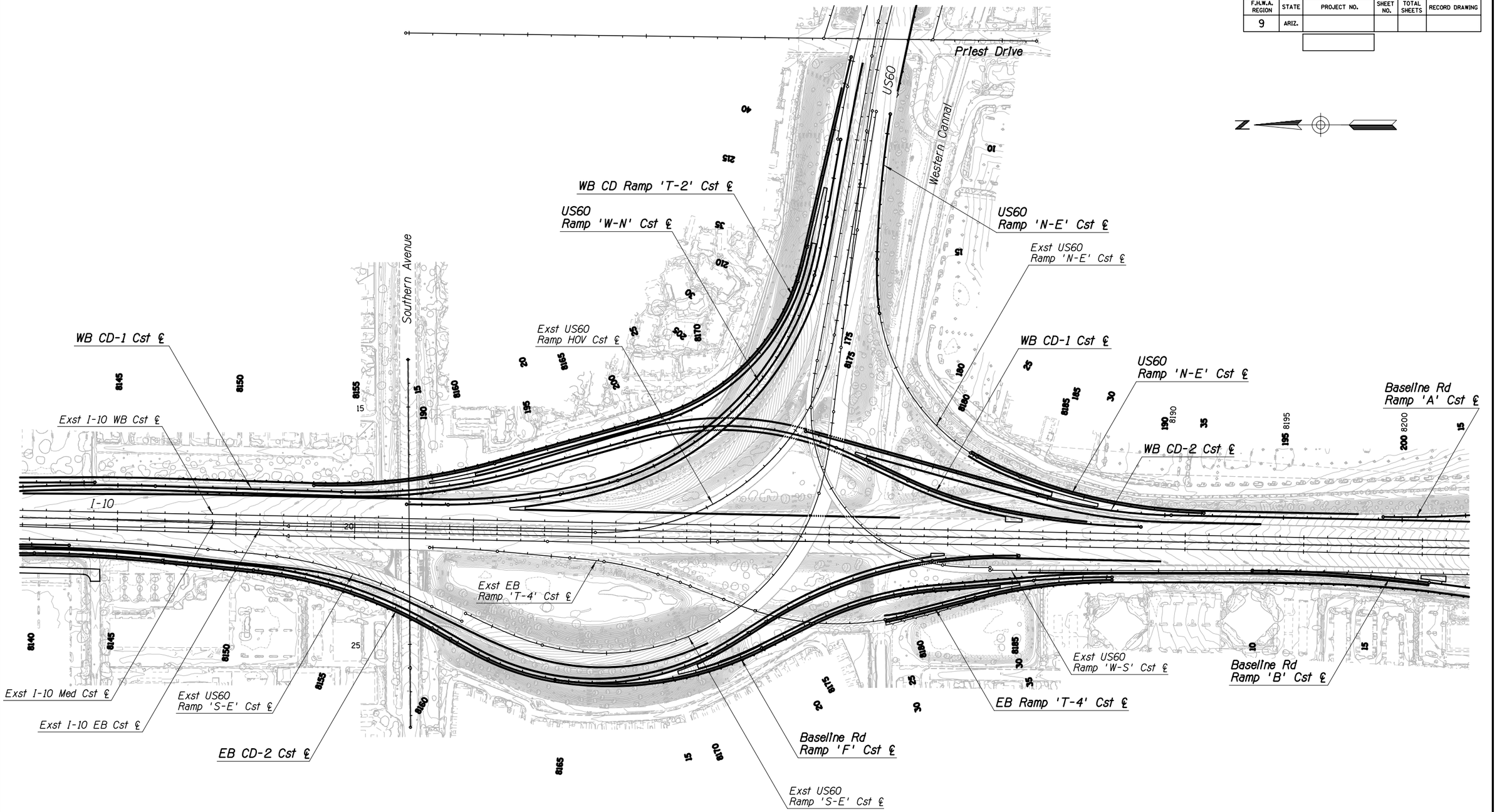
TRACS NO. H8768 01L ____ OF ____

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v92.dgn

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

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

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



APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

I-10/US60 TI
PLAN SHEET

DCR

NOT FOR CONSTRUCTION OR RECORDING

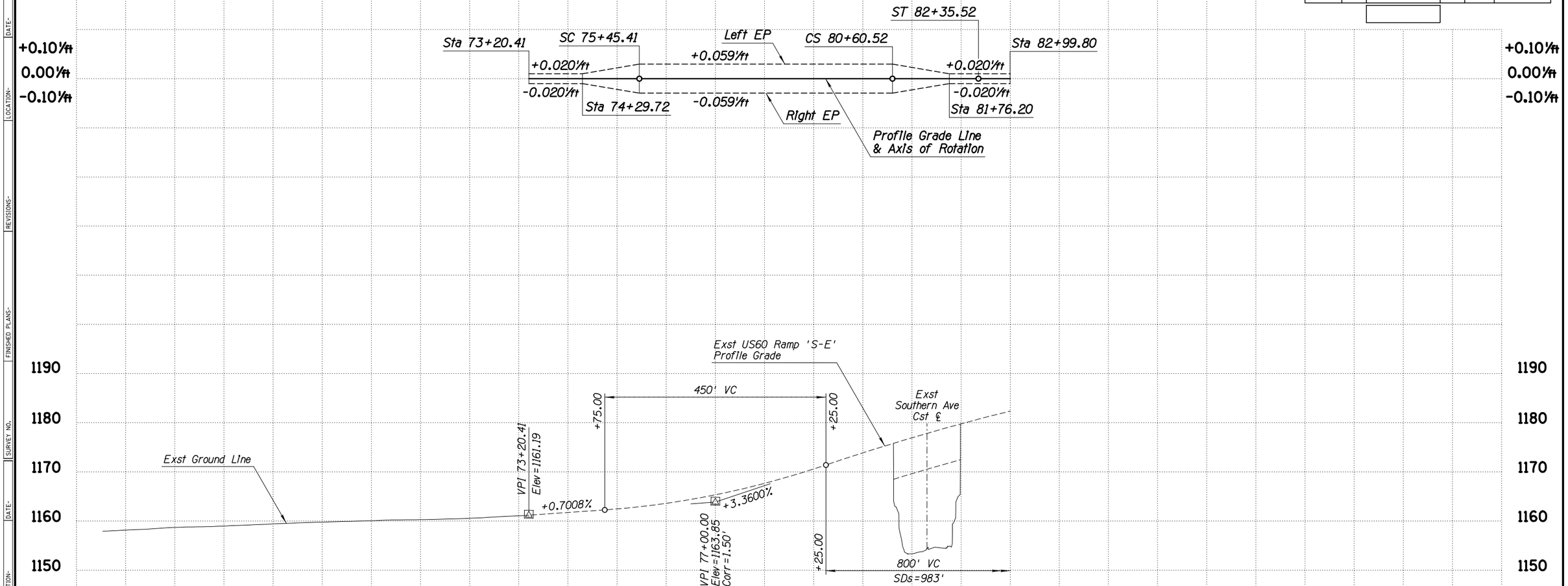
ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-5.1

TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\I10-02(Spot)\Prod\civ\h8768p16_A.dgn

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



NOTE:

1. *Profile Continues on Dwg No. C-5.3*

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
7720 N 16th St, Suite 100
Phoenix, Arizona 85020
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

EXST US60 RAMP 'S-E'
PROFILE SHEET
STA 73+20 TO STA 83+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-5.2

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

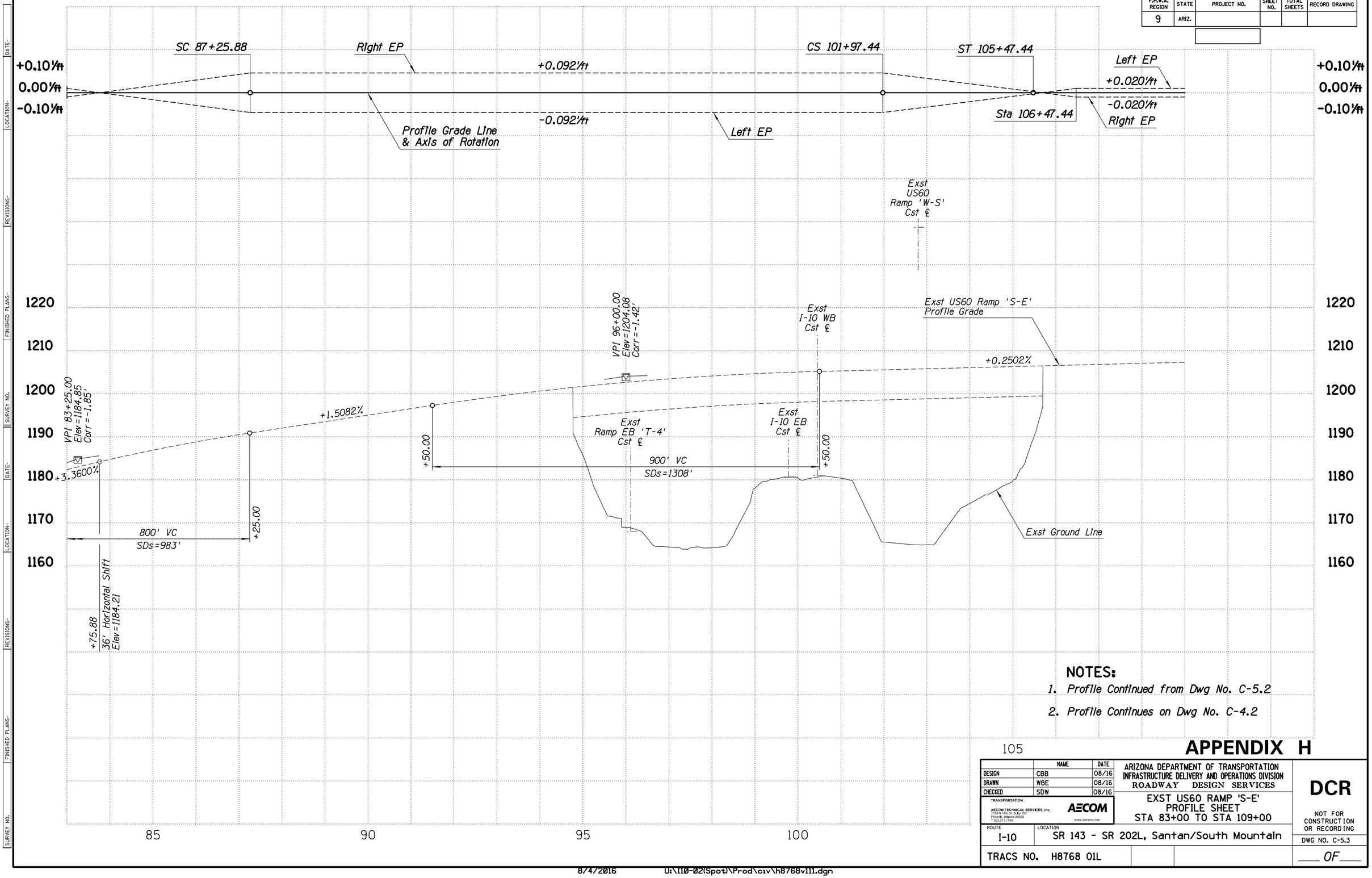
TRACS NO. H8768 01L

___ OF ___

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

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v110.dgn

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



NOTES:

1. *Profile Continued from Dwg No. C-5.2*
2. *Profile Continues on Dwg No. C-4.2*

105

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

EXST US60 RAMP 'S-E'
PROFILE SHEET
STA 83+00 TO STA 109+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR 202L, Santan/South Mountain	C-5.3

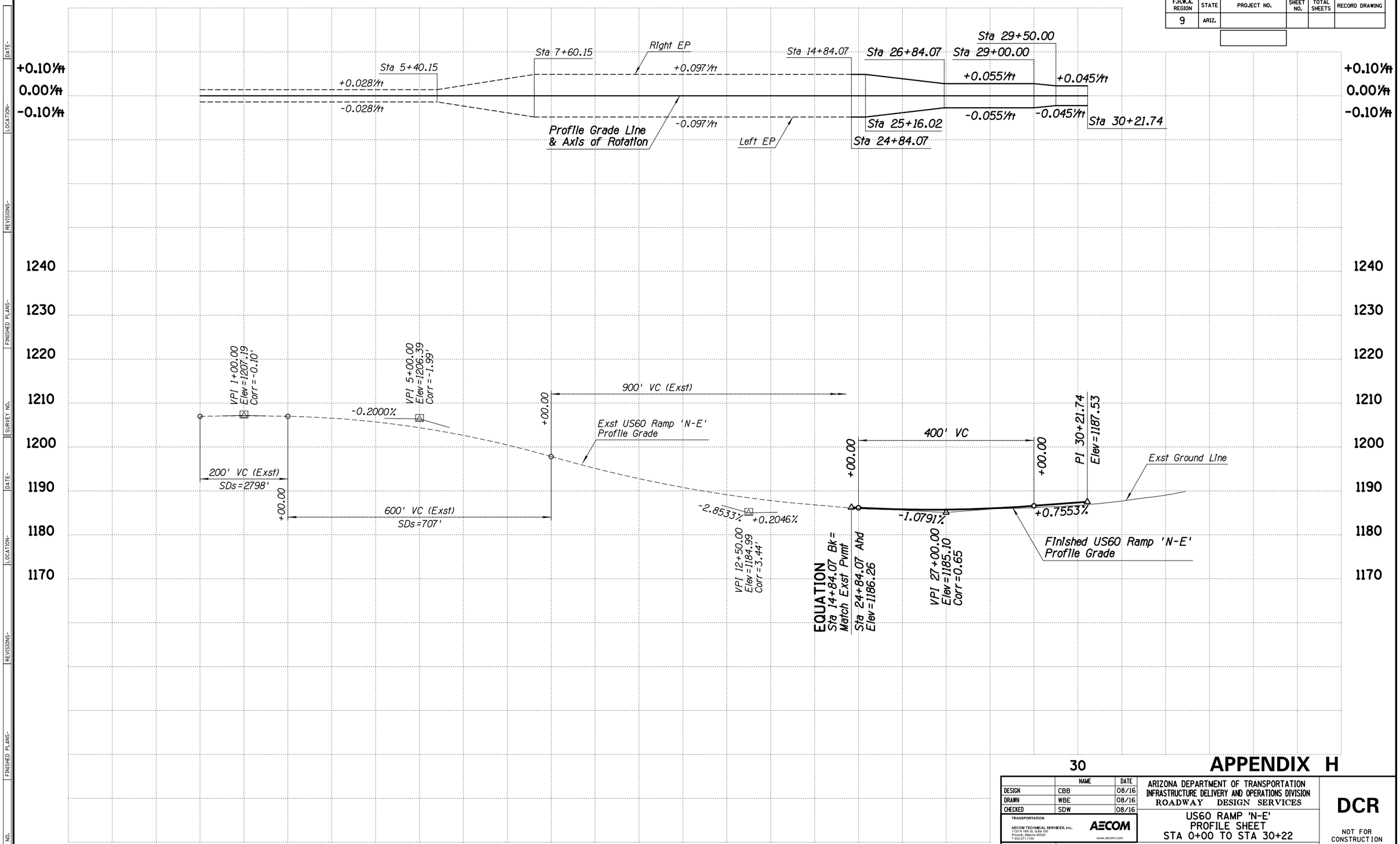
TRACS NO. H8768 01L

____ OF ____

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v111.dgn

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

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



5 10 25 30

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

US60 RAMP 'N-E'
PROFILE SHEET
STA 0+00 TO STA 30+22

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION
I-10	SR 143 - SR 202L, Santan/South Mountain

DWG NO. C-5.4

TRACS NO. H8768 01L

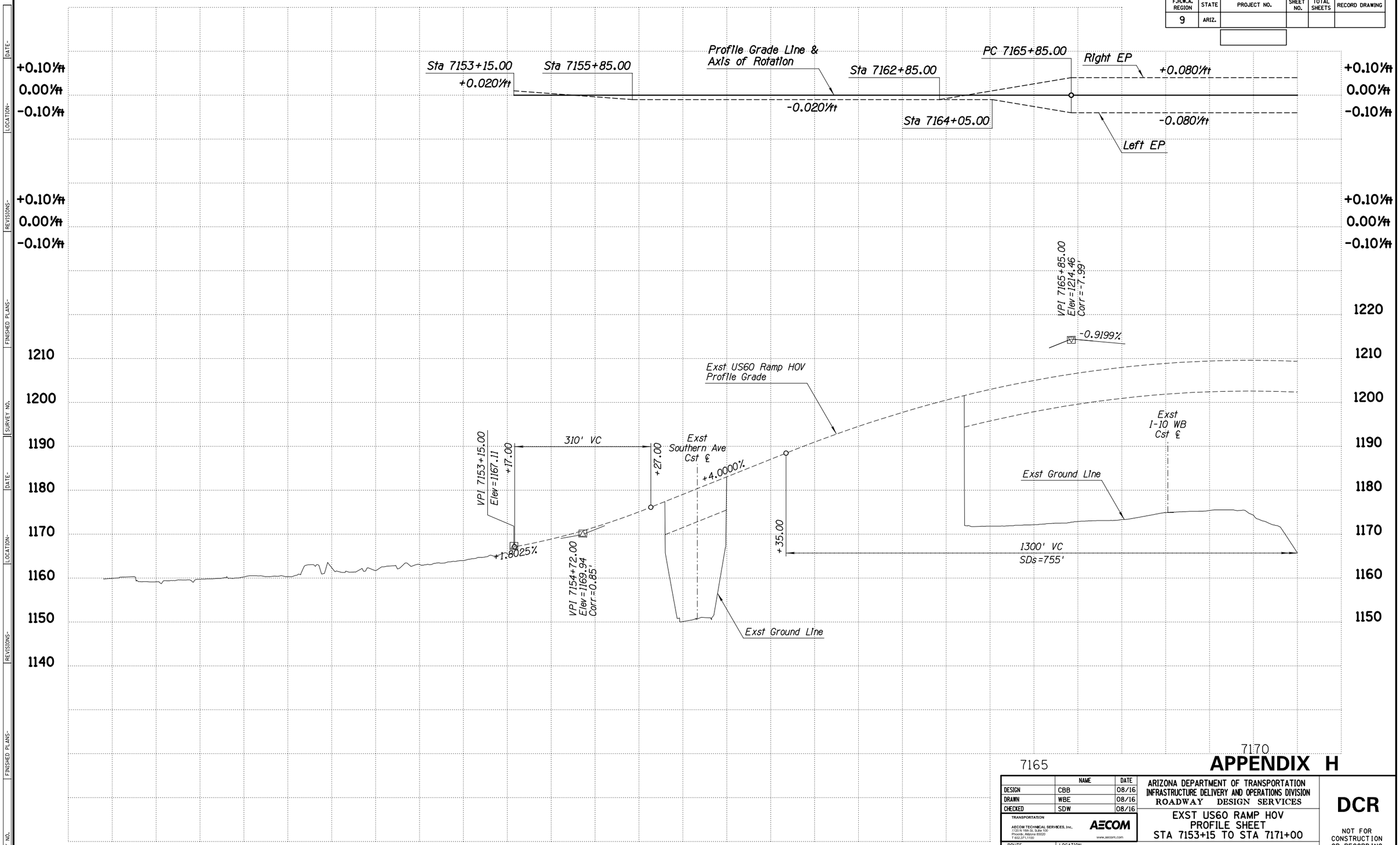
___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v116.dgn

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

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

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



APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

EXST US60 RAMP HOV
PROFILE SHEET
STA 7153+15 TO STA 7171+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-5.5

ROUTE: I-10

LOCATION: SR 143 - SR 202L, Santan/South Mountain

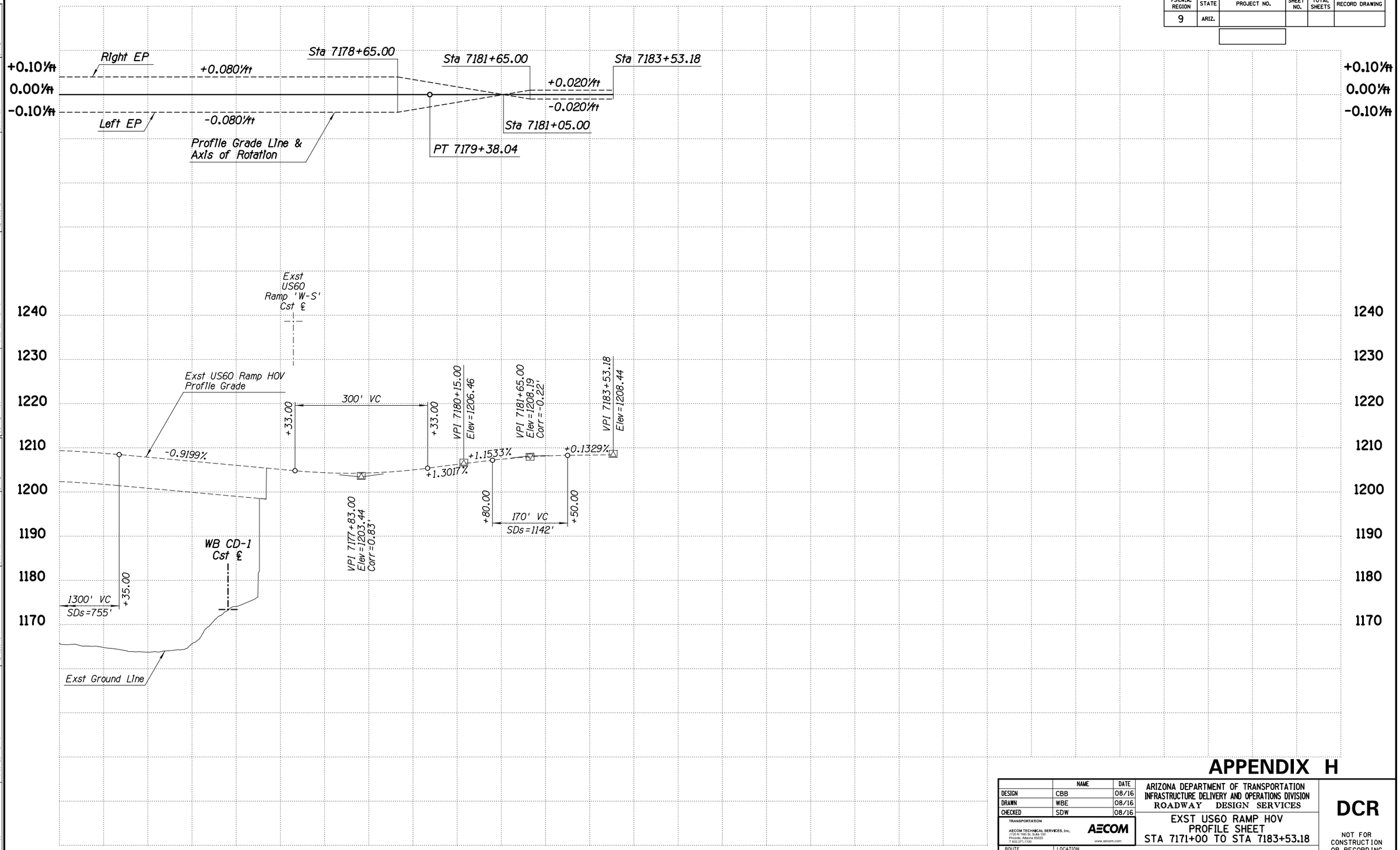
TRACS NO. H8768 01L

____ OF ____

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v119.dgn

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

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



APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

TRANSPORTATION
AECOM TECHNICAL SERVICES, Inc.
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Phoenix, Arizona 85020
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AECOM
www.aecom.com

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

EXST US60 RAMP HOV
PROFILE SHEET
STA 7171+00 TO STA 7183+53.18

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

DWG NO. C-5.6

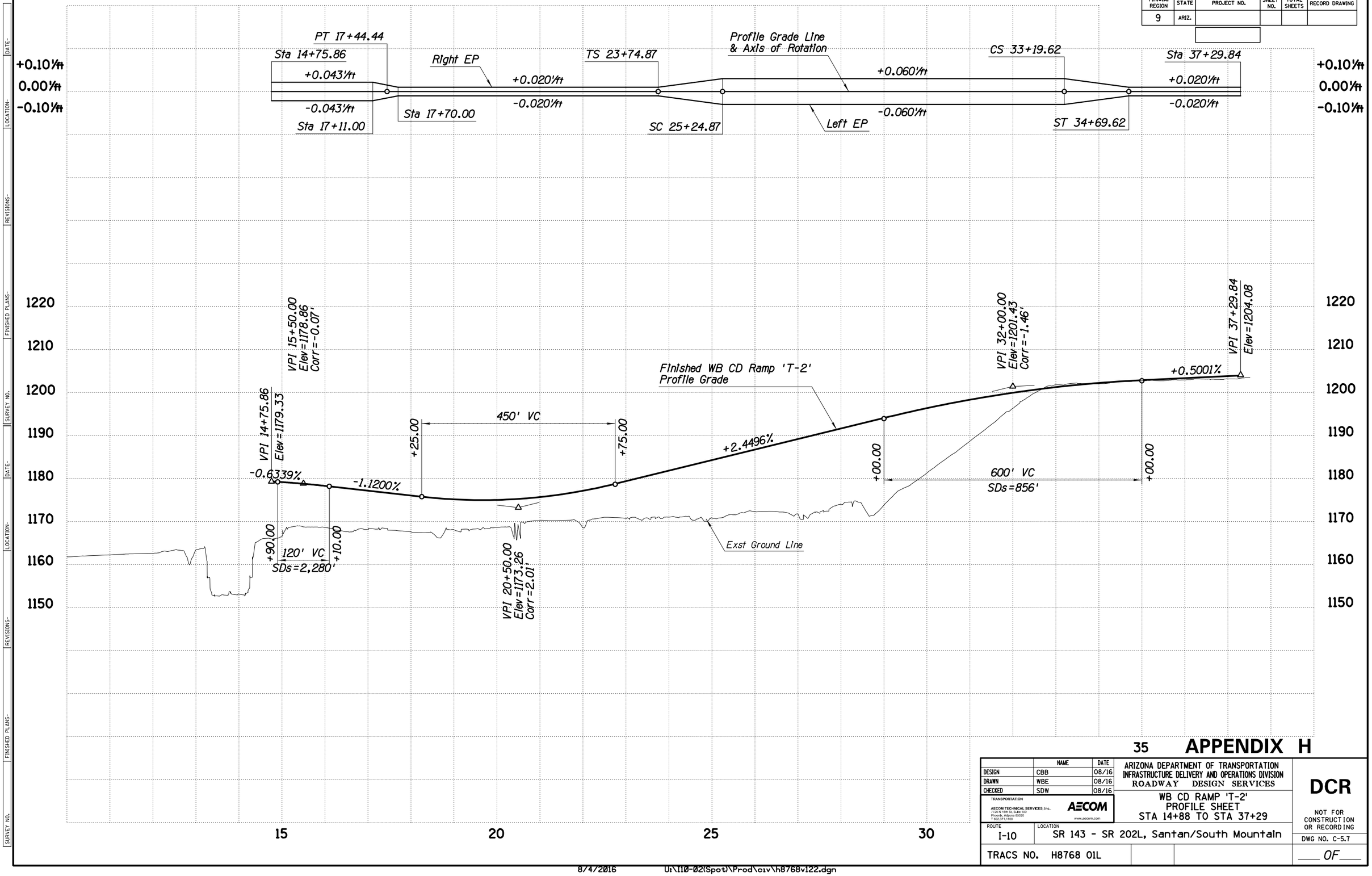
TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v120.dgn

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

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



35 **APPENDIX H**

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

WB CD RAMP 'T-2'
PROFILE SHEET
STA 14+88 TO STA 37+29

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. C-5.7

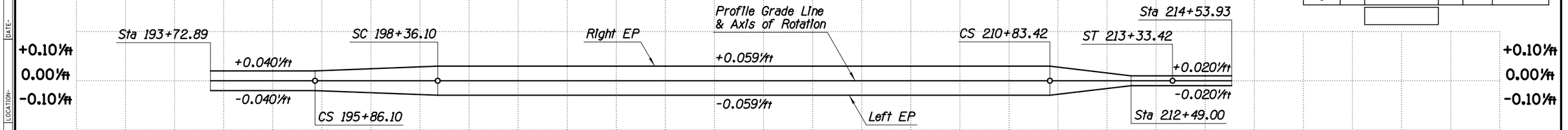
ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

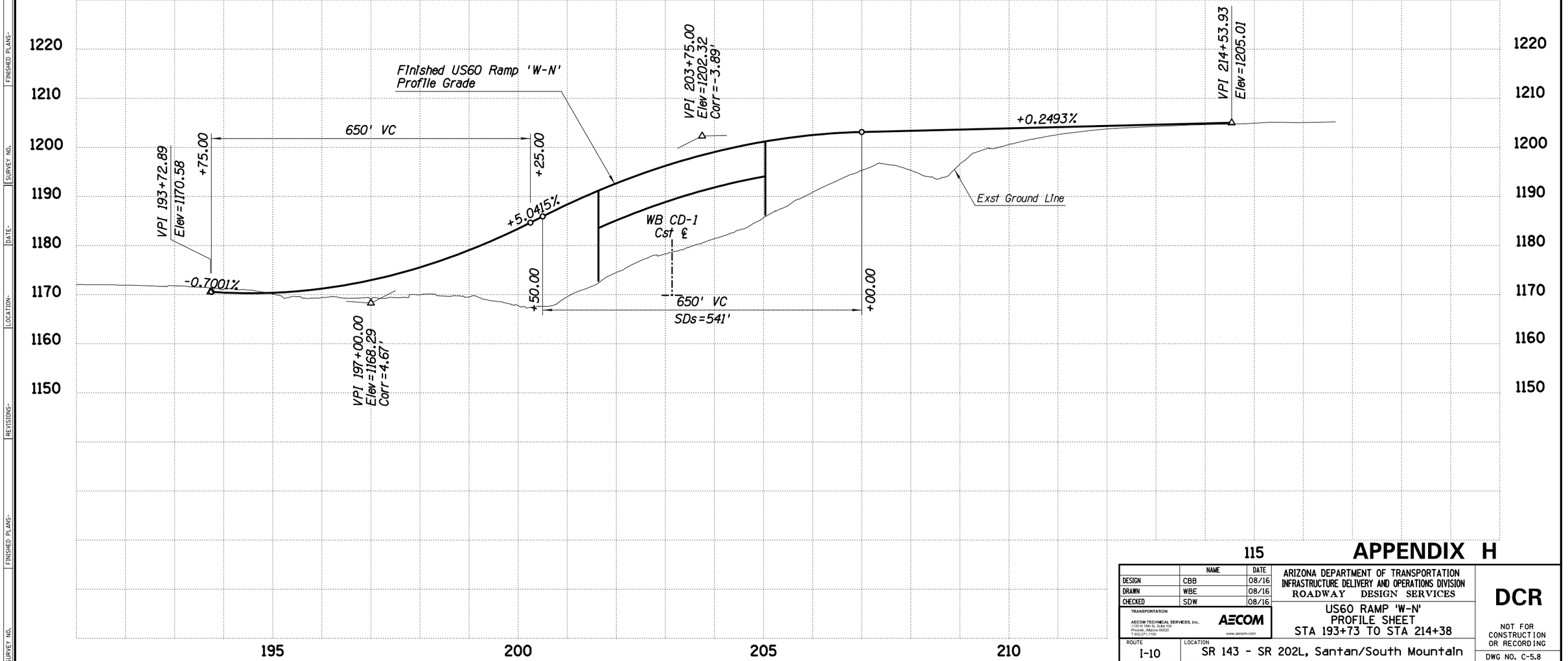
TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\110-02\Spot\Prod\civ\h8768v122.dgn

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





APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

US60 RAMP 'W-N'
PROFILE SHEET
STA 193+73 TO STA 214+38

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR 202L, Santan/South Mountain	C-5.8

TRACS NO. H8768 01L ____ OF ____

8/4/2016 U:\110-02\Spot\Prod\civ\h8768v123.dgn

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

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

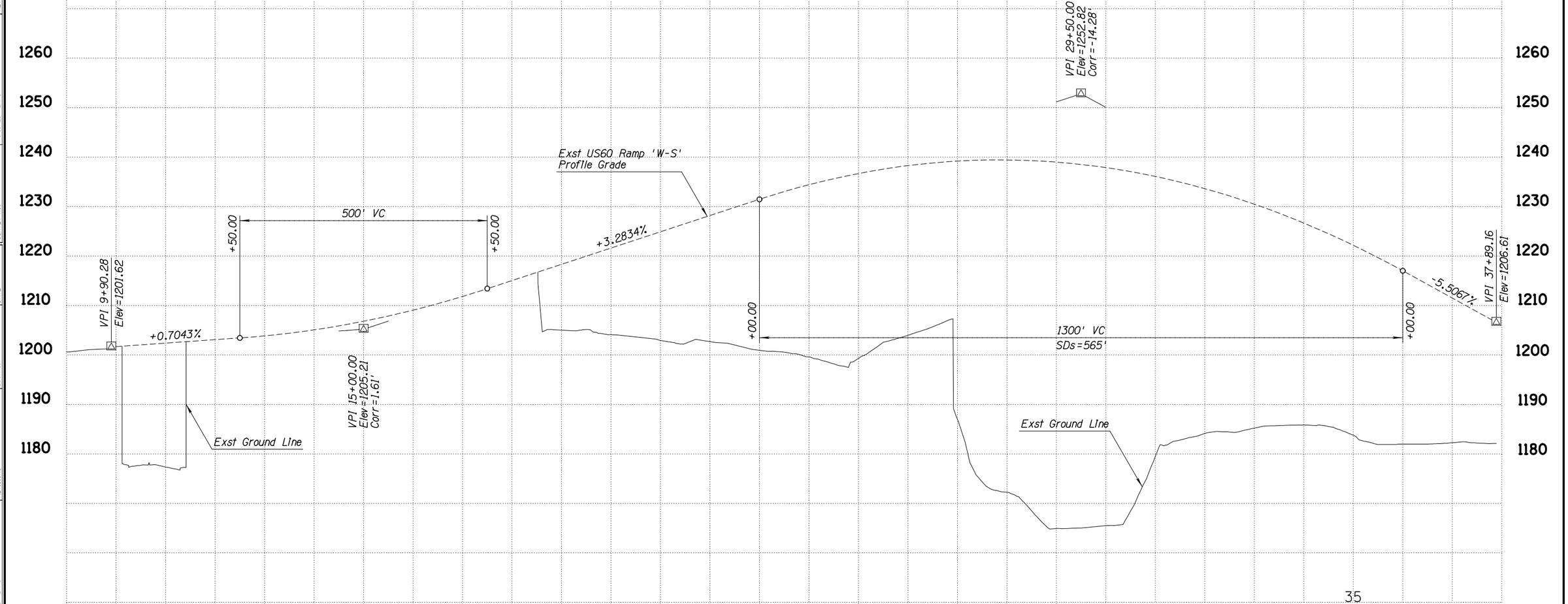
DATE- | LOCATION- | REVISIONS- | FINISHED PLANS- | SURVEY NO.

+0.10⅛ft
0.00⅛ft
-0.10⅛ft

CS 9+90.28 | Right EP | +0.020⅛ft | Sta 24+87.58 | CS 26+44.80 | +0.094⅛ft | CS 35+89.16

ST 11+40.28 | -0.020⅛ft | Left EP | TS 24+44.80 | -0.094⅛ft | ST 37+89.16

Profile Grade Line & Axis of Rotation



APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
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ROADWAY DESIGN SERVICES

US60 RAMP 'W-S'
PROFILE SHEET
Sta 9+90 to Sta 37+89

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain

DWG NO. C-5.9

TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v66.dgn

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

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

+0.10%ft
0.00%ft
-0.10%ft

Left EP
PC 49+64.67
PT 50+79.25
Profile Grade Line & Axis of Rotation
+0.020%ft
-0.020%ft
Right EP
PC 61+08.16
Sta 65+09.45
PT 62+60.92
Sta 38+39.16

1250
1240
1230
1220
1210
1200
1190
1180

VPI 37+89.16
Elev=1206.61
+25.00
850' VC
+75.00
-5.5073%
Exst US60 Ramp 'W-S' Profile Grade
+2.6034%
VPI 63+00.00
Elev=1234.60
Corr=-0.58'
+1.4419%
VPI 65+09.45
Elev=1237.62
+00.00
400' VC
SDs=1129'
+00.00
Exst Ground Line
VPI 42+50.00
Elev=1181.23
Corr=8.62'

40 45 50 55 60 65

APPENDIX H

	NAME	DATE
DESIGN	CBB	08/16
DRAWN	WBE	08/16
CHECKED	SDW	08/16

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

US60 RAMP 'W-S'
PROFILE SHEET
Sta 37+89 to Sta 65+09

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
LOCATION: SR 143 - SR 202L, Santan/South Mountain
DWG NO. C-5.10

TRACS NO. H8768 01L

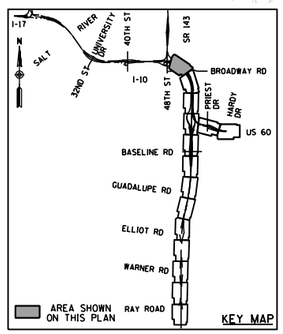
___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\civ\h8768v67.dgn

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

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

Exst R/W
52nd St.
Exst Ramp 'F'
8090
8085
8080
Exst Ramp 'B'
WB CD RAMP'T-1'
Exst Ramp 'F'
Exst 42" Storm Drain Trunk Line
Basin 'B'
Exst Ramp 'J'
Broadway Rd
Basin 'C'
Exst Ramp 'L'
Modify Exist Ditch
Broadway Rd Ramp 'C'
WB CD-1 Westbound C-D RD
Exst I-10 Med Cst ℄
Modify Exist Basin
Ramp 'K'
EB CD-1 Eastbound C-D RD
8095
Basin C-2
Modify Exist Basin
8100
20
Exst R/W
New Ditch
Twin Butte Cemetery
MATCH LINE STA 8105+00
CB 200, CB 202, CB 204, CB 206, CB 208, CB 209, CB 210, CB 14, CB 16, CB 18, CB 22, CB 24
MH 15, MH 20
30"x60"
24"x38"



0 50 100 200
Scale in Feet

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.j2design.us

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

I-10
DRAINAGE PLAN SHEET
Sta 8079+00 to Sta 8105+00

ROUTE 1-10 | SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H876801L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. D-1.1

1 OF 15

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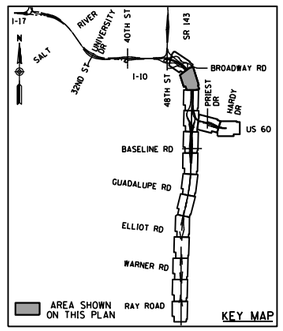
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

Water Tank
Bell Butte
Modify Exist Ditch
Broadway Rd Ramp 'C'
Twin Buttes Cemetery
Private Retention Basin
Exst 60" Storm Dr Trunk Line
Basin 'E'
WB CD-1 Westbound C-D Rd
Aerial Esmnt
Exist R/W
Modify Exist Basin
Private Retention Basin
Retaining Wall
Maint. Easement
Exist R/W
Culvert Extension
Alameda Dr.
New R/W
Exst I-10 Med Cst ℄
Ramp 'B'
MATCH LINE STA 8105+00
MATCH LINE STA 8133+00
Ramp 'K'
New Ditch
Exst R/W
EB CD-1 Eastbound C-D Rd
New R/W
Drainage Easement
P.U.E.
Tempe Diablo Stadium Complex
Proposed Ped Bridge
City of Tempe Storm Drain Relocate
Private Retention Basin
W. Westcourt Way
Alameda Dr
8105
8110
8115
8120
8125
8130
25
26
27



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Scale in Feet

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

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

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.j2design.us

I-10
DRAINAGE PLAN SHEET
Sta 8105+00 to Sta 8133+00

ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H876801L

DCR
NOT FOR CONSTRUCTION OR RECORDING

DWG NO. D-1.2

2 OF 15

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

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

MATCH LINE STA 8133+00

MATCH LINE STA 8160+00

Private Detention Basin '4'

W. Fairmont Dr.

W. Inverness Dr.

S. Edward Dr.

WB CD-1 Westbound C-D Road

Exist R/W

Culvert Extension

New R/W

Exst R/W

WB C-D Ramp 'T-2'

WB LL-5

Exst I-10 Med Cst ℄

HOV Ramp

Ramp 'W-N'

Ramp 'S-E'

Diablo Way

EB CD-2

EB CD-1 Eastbound C-D Rd

Modify Exist Basin

Modify Exist Basin

City of Tempe Storm Drain Relocate

Exist R/W

Exist R/W Private Retention Basin

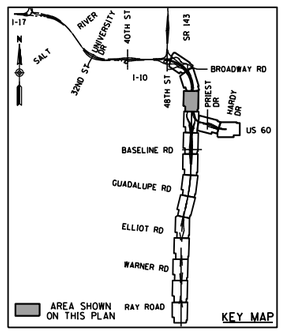
Modify Exist Basin

ADOT Pump Station

Southern Ave.

W. Fairmont Dr.

8135 8135 8140 8140 8141 8145 8150 8155 8160



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Scale in Feet

APPENDIX H

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DESIGN	JP	08/16
DRAWN	MALA	08/16
CHECKED	JH	08/16

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ARIZONA DEPARTMENT OF TRANSPORTATION
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I-10
DRAINAGE PLAN SHEET
Sta 8133+00 to Sta 8160+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H876801L

DWG NO. D-1.3

3 OF 15

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

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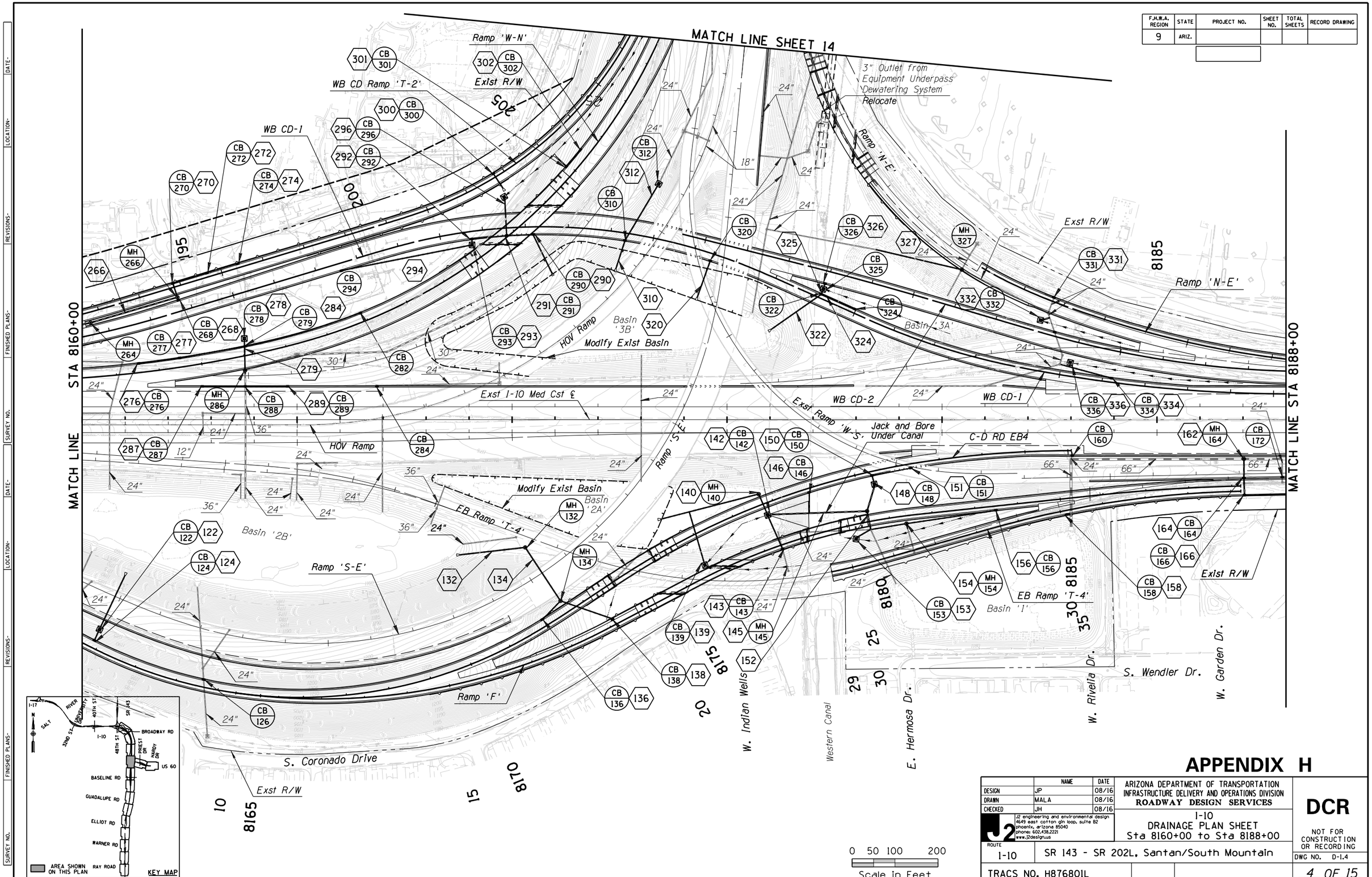
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				



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Scale in Feet

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MALA	08/16
CHECKED	JH	08/16

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

I-10
DRAINAGE PLAN SHEET
Sta 8160+00 to Sta 8188+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

DWG NO. D-1.4

TRACS NO. H876801L

4 OF 15

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

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

MATCH LINE STA 8188+00

MATCH LINE STA 8216+00

8190 | 8195 | 8200 | 8205 | 8210 | 8215

11 | 15 | 19

Exst Baseline Rd Cst ℄

Exst Baseline Rd Ramp 'D' Cst ℄

Ramp 'A'

Exst Baseline Rd Ramp 'A' Cst ℄

Private Retention Basin

Ramp 'N-E'

WB C-D Rd

Exst 60" Storm Drain Trunk Line

Exst R/W

Exst I-10 Med Cst ℄

CB 340 | CB 342 | CB 338 | CB 168 | CB 170 | 170 | 176 CB 176 | CB 178 | CB 180 | 180

Exist R/W

New R/W

Exst R/W

Exst Bridge

Exst Baseline Rd Ramp 'C' Cst ℄

Exst Baseline Rd Ramp 'B' Cst ℄

Baseline Road

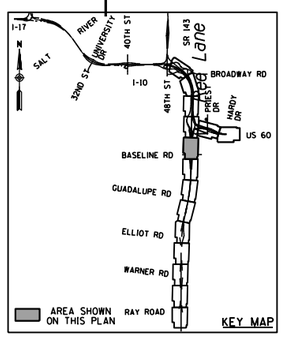
Highline Canal

Exst R/W

75

80

W. Vineyard Rd.



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Scale in Feet

APPENDIX H

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CHECKED	JH	08/16

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

I-10
DRAINAGE PLAN SHEET
Sta 8188+00 to Sta 8216+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE 1-10 | SR 143 - SR 202L, Santan/South Mountain

DWG NO. D-1.5

TRACS NO. H876801L

5 OF 15

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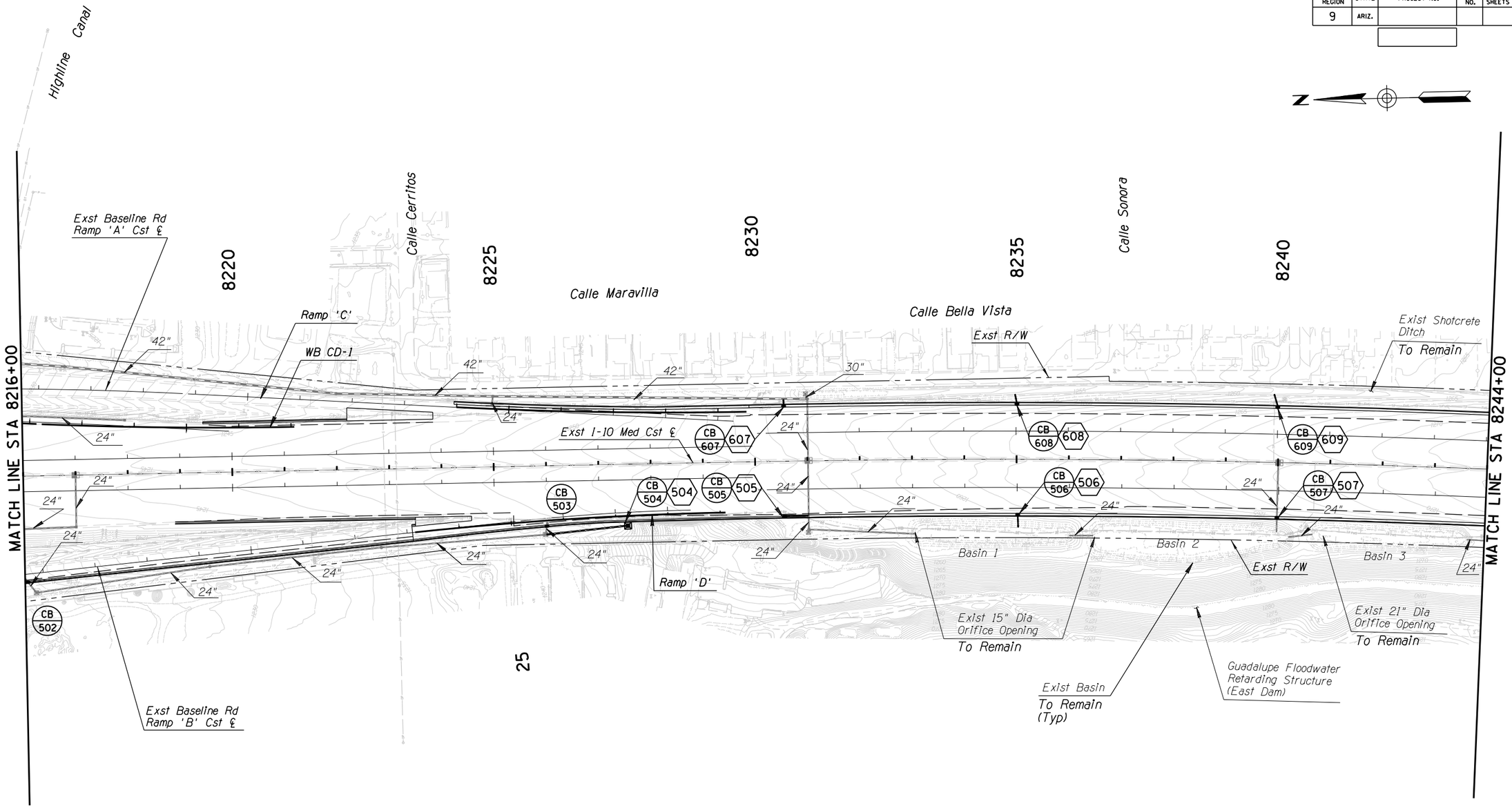
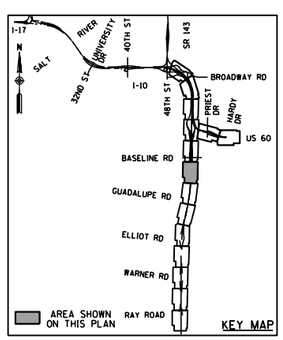
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

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





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Scale in Feet

APPENDIX H

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DRAWN	MAL A	08/16
CHECKED	JH	08/16

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

I-10
DRAINAGE PLAN SHEET
Sta 8216+00 to Sta 8244+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain | DWG NO. D-1.6

TRACS NO. H876801L | 6 OF 15

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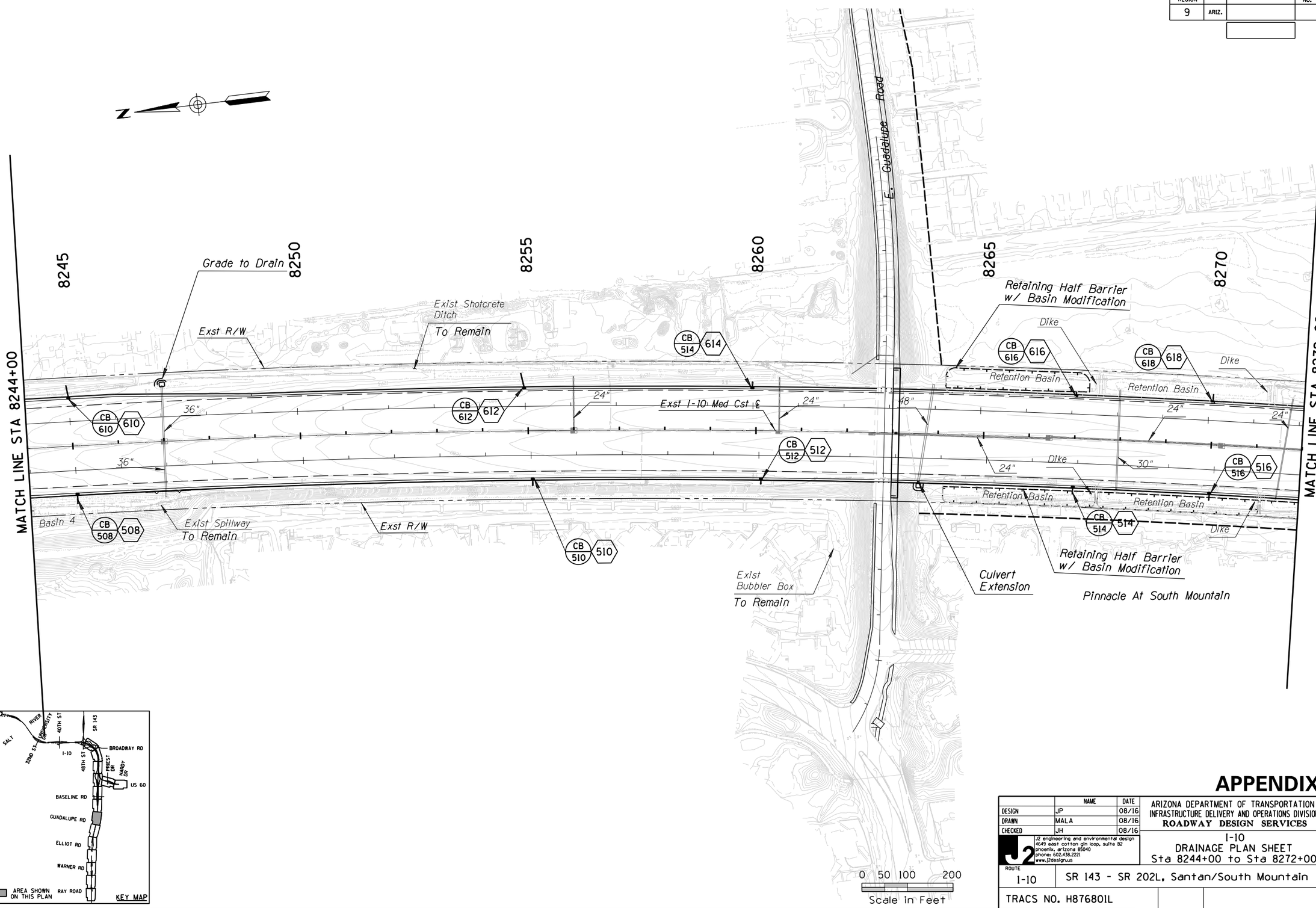
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				



APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MALA	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
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ARIZONA DEPARTMENT OF TRANSPORTATION
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ROADWAY DESIGN SERVICES

I-10
DRAINAGE PLAN SHEET
Sta 8244+00 to Sta 8272+00

DCR

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ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

DWG NO. D-1.7

TRACS NO. H876801L

7 OF 15

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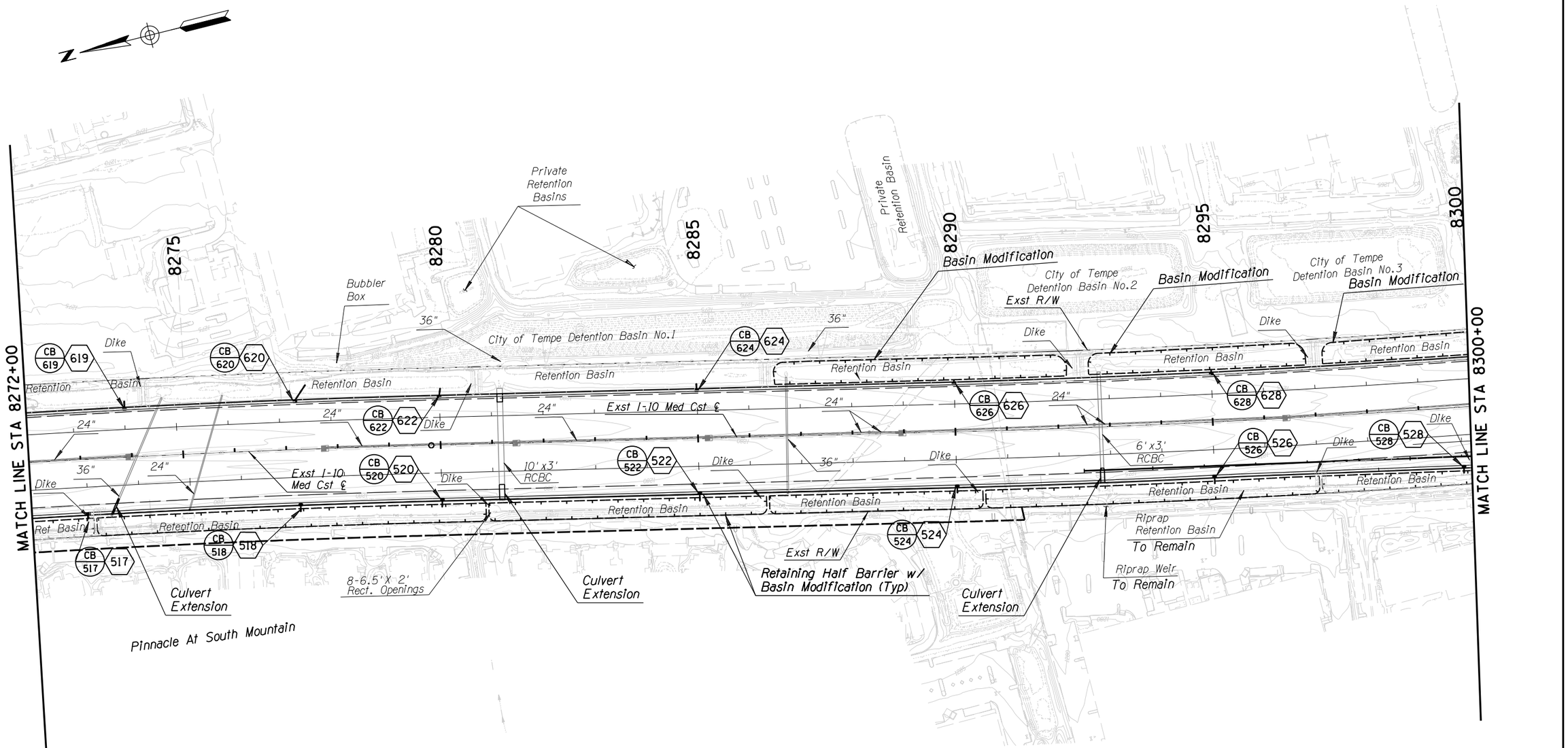
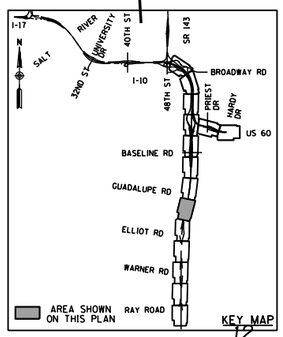
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

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





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Scale in Feet

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
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CHECKED	JH	08/16

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ROADWAY DESIGN SERVICES

I-10
DRAINAGE PLAN SHEET
Sta 8272+00 to Sta 8300+00

ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H876801L

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DWG NO. D-1.8

8 OF 15

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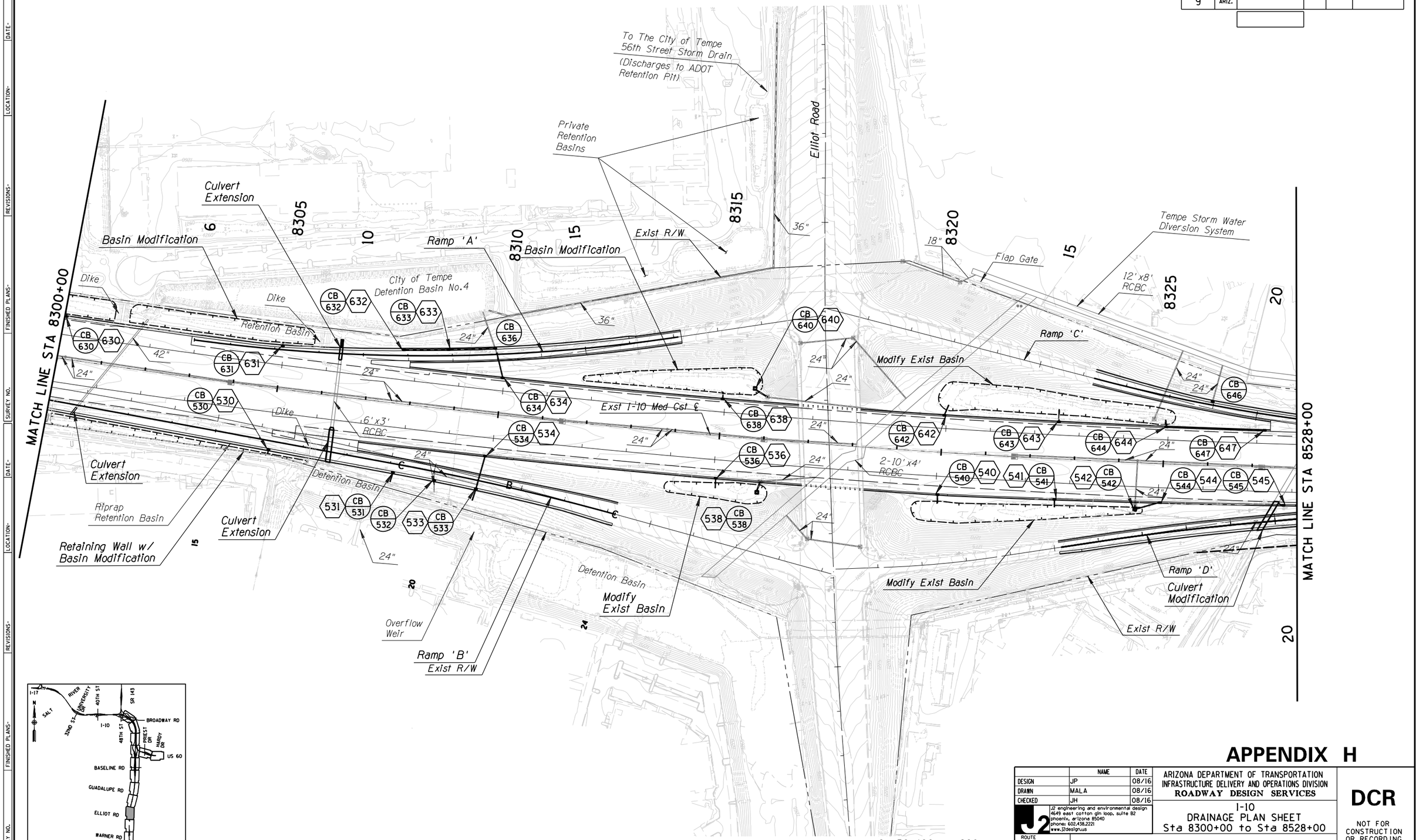
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				



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Scale in Feet

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

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

I-10
DRAINAGE PLAN SHEET
Sta 8300+00 to Sta 8528+00

ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H876801L

DCR

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DWG NO. D-1.9

9 OF 15

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

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

N

Autoplex Loop

MATCH LINE STA 8528+00

8330 25 8335 8340 8345 8350 10 8355 15

Ramp 'C'

Basin Modification

Retention Basin

18"

12'x8' RCBC

CB 652 652

Exist R/W

16'x8' RCBC

Basin Modification

Retention Basin

18"

16'x8' RCBC

Retention Basin

18"

Tempe Storm Water Diversion System To Remain

Ramp 'C'

16'x8' RCBC

18"

Exst I-10 Med Cst ℄

CB 649 649

CB 650 650

24"

24"

42"

24"

CB 654 654

CB 655 655

48"

24"

CB 656 656

2-10'x4' RCBC

CB 657 657

24"

10'x4' RCBC

CB 546 546

CB 547 547

CB 548 548

4-12"Diameter Drain Holes In Wing Wall To Remain

2-10'x 3' RCBC

CB 550 550

Dike

CB 552 552

CB 553 553

Dike

CB 554 554

CB 556 556

Basin

Basin

Basin

6-12"Diameter Drain Holes In Noise Wall To Remain

Culvert Extension

LaLoma Circle

Ramp 'D'

Exist Noise Wall

5-5'x 1.5' Rect. Openings In Wing Wall To Remain

Exist R/W

Ski Road

Concrete Trapezoidal Channel

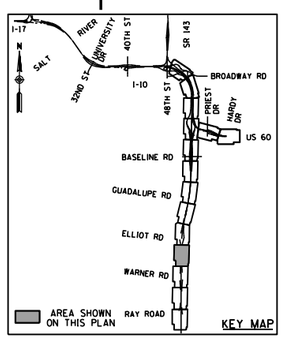
Retaining Half Barrier w/ Basin Modification (Typ)

Papago Circle

Ramp 'D'

10

MATCH LINE STA 8356+00



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Scale in Feet

APPENDIX H

	NAME	DATE
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DRAWN	MALA	08/16
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J2 engineering and environmental design
4649 east cotton gin loop, suite B2
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phone: 602.438.2221
www.j2design.us

ARIZONA DEPARTMENT OF TRANSPORTATION
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ROADWAY DESIGN SERVICES

I-10
DRAINAGE PLAN SHEET
Sta 8528+00 to Sta 8356+00

ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H876801L

DCR

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DWG NO. D-1.10

10 OF 15

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

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

N

MATCH LINE STA 8356+00

MATCH LINE STA 8384+00

50' ADOT Retention Pit Diversion Channel

Basin Modification

Basin Modification

4-10'x8' RCBC

Drop Structure

18" Flap Gate

16'x8' RCBC

Exist R/W

Ramp 'C'

CB 662 662

CB 660 660

16'x8' RCBC

Retention Basin

CB 659 659

CB 658 658

CB 661 661

CB 558 558

CB 559 559

CB 560 560

CB 561 561

CB 562

CB 663 663

CB 564 564

CB 664 664

CB 568 568

CB 668 668

CB 670

CB 672 672

CB 572 572

CB 570

CB 573 573

Basin 1

Basin 2

Basin 3

Basin 4

Basin

Ramp 'D'

Basin Modification

4-12" Diameter Drain Holes in Noise Wall To Remain

Culvert Extension

Exist R/W

Exst Ramp 'C'

Exst Ramp 'D'

Exst Ramp 'D'

Exst Ramp 'B'

Exst Ramp 'A'

Exst I-10 Med Cst ℄

3-10'x5' RCBC

10'x4' RCBC

76"x48"

Modify Exist Basin

Ramp 'B'

Ramp 'A'

Exist R/W

Concrete Trapezoidal Channel

Warner Rd

Drainage Tract

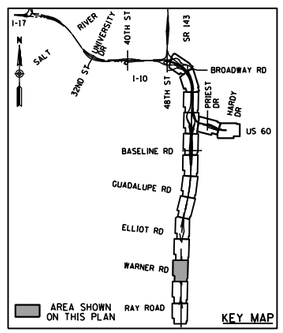
8360 20 23 8365 8370 12 Exist R/W 15 8375 50' ADOT Retention Pit Diversion Channel 8380 20

15 20 13 15 20

18" 24" 28"x20" 30"

0 50 100 200

Scale in Feet



APPENDIX H

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

I-10
DRAINAGE PLAN SHEET
Sta 8356+00 to Sta 8384+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain | DWG NO. D-1.11

TRACS NO. H876801L | 11 OF 15

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

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9	ARIZ.				

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

MATCH LINE STA 8384+00

MATCH LINE STA 8413+00

ADOT Retention Pit

Plunge Pool Energy Dissipator

Plunge Pool Energy Dissipator

12' Concrete Trapezoidal Channel

8385 25 28 8390 8395 8400 8405 8410 10

CB 674 674

Ramp 'B'

Exist R/W

CB 676 676

10'x3' RCBC

24"

CB 678 678

24"

Exst I-10 Med Cst ℄

24"

CB 680 680

CB 682 682

24"

Ramp 'A'

Modify Exist Basin

CB 684 684

CB 574 574

CB 576 576

CB 578 578

10' x 10' RCBC

CB 580 580

CB 582 582

CB 583 583

CB 584 584

Retention Basin

Ramp 'A'

Trapezoidal Concrete Ditch

Basin/Channel

Exist R/W

Inlet Drop Structure

Trapezoidal Concrete Ditch

Retaining Half Barrier w/ Basin Modification

CB 585 585

CB 586 586

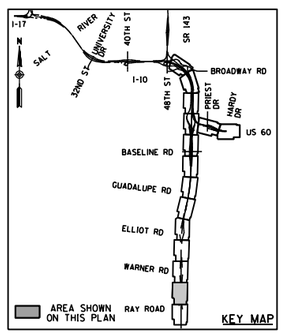
Ramp 'C'

25 26

Retaining Half Barrier w/ Basin Modification (Typ)

12 15 20

Drainage From Ahwautukee Phase III Development



0 50 100 200

Scale in Feet

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ROADWAY DESIGN SERVICES

I-10
DRAINAGE PLAN SHEET
Sta 8384+00 to Sta 8413+00

ROUTE 1-10 | SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H876801L

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DWG NO. D-1.12

12 OF 15

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

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

MATCH LINE STA 8413+00

MATCH LINE STA 8440+00

Modify Exist Basin

Exist R/W

Ramp 'A'

Modify Exist Basin

Exst Ramp 'A'

Retention Basin

Retention Basin

Ramp 'C'

Exst Ramp 'C'

Detention Basin

Retention Basin

City of Phoenix Sanitary Sewer Pump Station

16'x16' RCBC Equipment Underpass

Detention Basin

Exist R/W

Ray Road

Private Retention Basin

Modify Exist Basin

Exst Ramp 'B'

Detention Basin

Exst I-10 Med Cst ℄

Detention Basin

Exst Ramp 'D'

Private Retention Basin

Private Retention Basin

10' Wide Drainage Channel

15' Wide Drainage Channel

Gabion Overflow Weir

CB 686 686

CB 692 692

CB 688 688

CB 694 694

CB 588 588

CB 587 587

CB 590 590

CB 592 592

CB 594 594

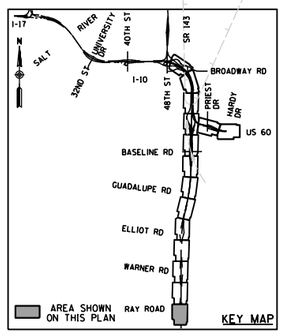
12" 18" 24" 45"x29" 2-24"x38" 76"x48" 2-48"

15 20 23

8415 8420 8425 8430 8435 8440

0 50 100 200

Scale in Feet



APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MALA	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.j2design.us

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

I-10
DRAINAGE PLAN SHEET
Sta 8413+00 to Sta 8440+00

ROUTE 1-10

SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H876801L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. D-1.13

13 OF 15

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

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

Exst Priest Dr Cst ℄

Exst US60 Ramp 'W-S' Cst ℄

Exst Priest Dr Ramp 'C' Cst ℄

Exst US60 Ramp 'W-N' Cst ℄

Ramp 'W-N'

Exst R/W

STA 25+00

MATCH LINE SHEET D-1.4

MATCH LINE STA 36+90

WB CD Ramp 'T-2'

Ramp 'W-N'

RAMP 'C'

Drive

66"

Exst US60 Ramp 'S-E DB' Cst ℄

Spectrum Exit

Priest

Exst US60 Ramp HOV Cst ℄

Exst US60 Ramp 'N-E' Cst ℄

Exst R/W

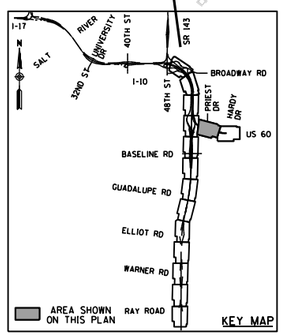
Exst Priest Dr Ramp 'D' Cst ℄

Ramp 'D'

Western Canal

City of Tempe Storm Drain

CB 304 · 304 · CB 418 · CB 420 · 422 CB 422 · CB 424 · 426 CB 426 · CB 427 · 428 CB 428 · CB 430



0 50 100 200
Scale in Feet

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.j2design.us

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

US 60
DRAINAGE PLAN SHEET
Sta 25+00 to Sta 36+90

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

DWG NO. D-1.14

TRACS NO. H876801L

14 OF 15

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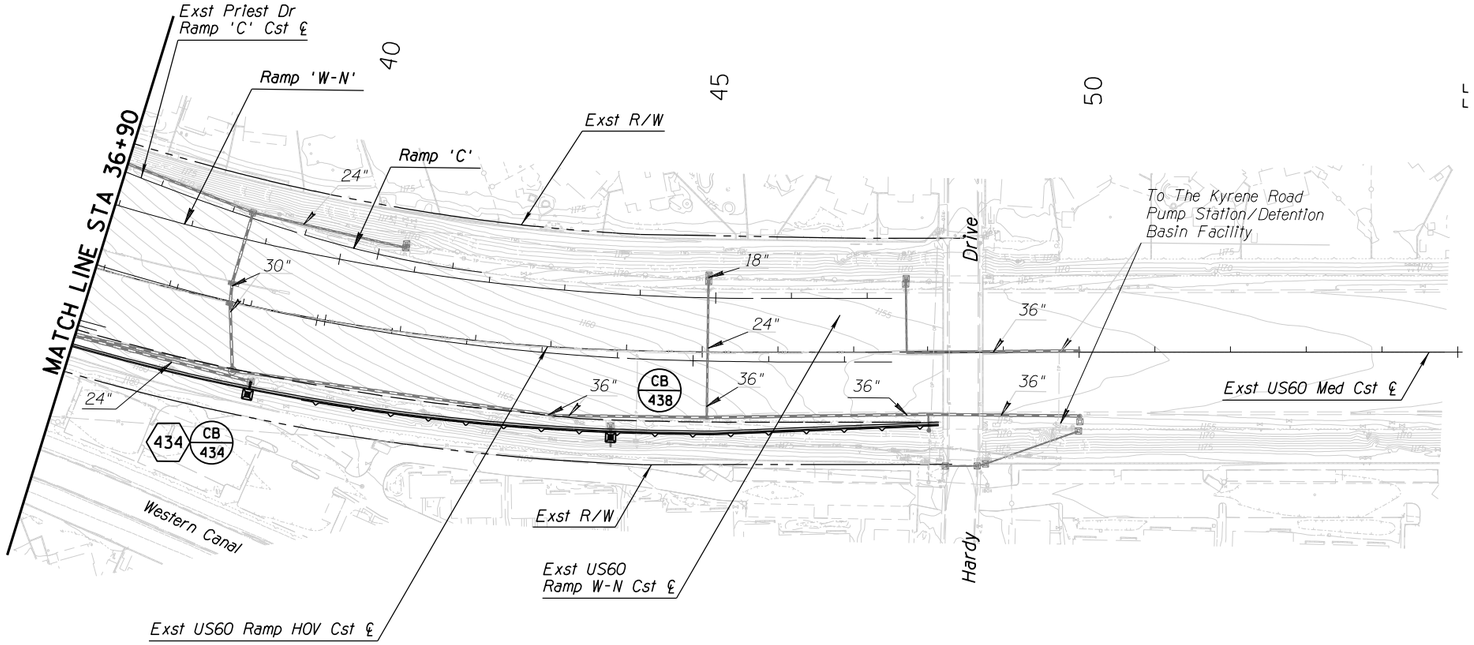

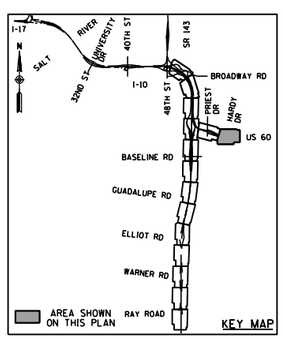

0 50 100 200
Scale in Feet

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.j2design.us

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

US 60
DRAINAGE PLAN SHEET
Sta 8079+00 to Sta 8105+00

ROUTE 1-10 | SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H876801L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. D-1.15

15 OF 15

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

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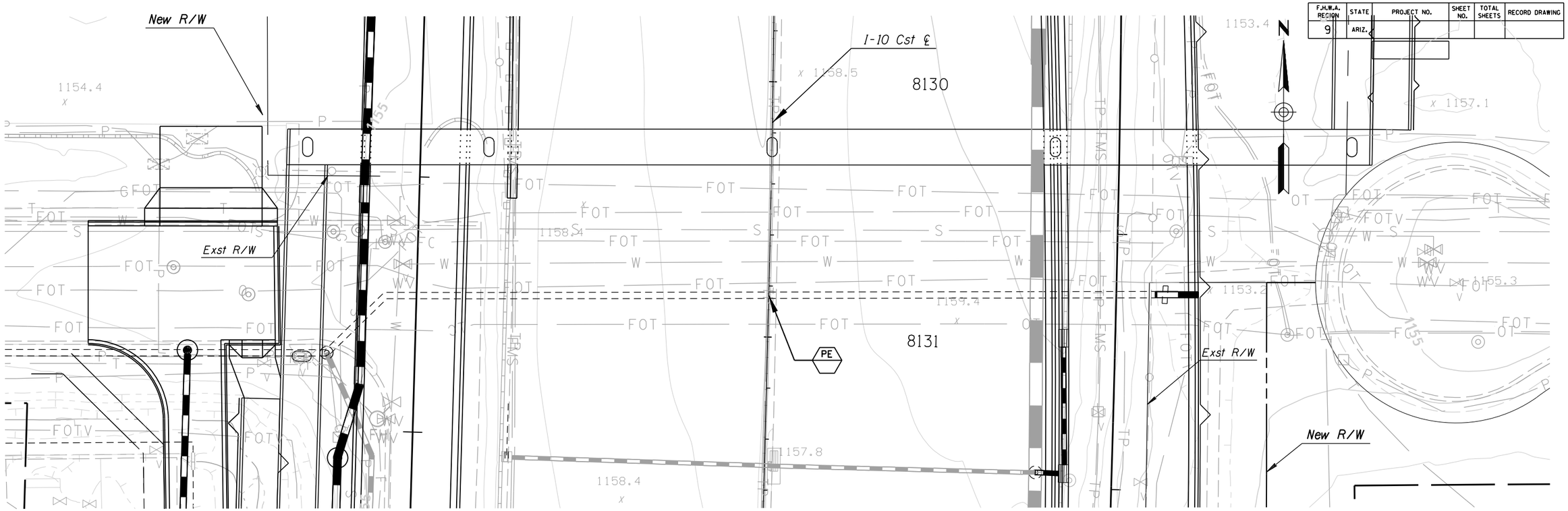

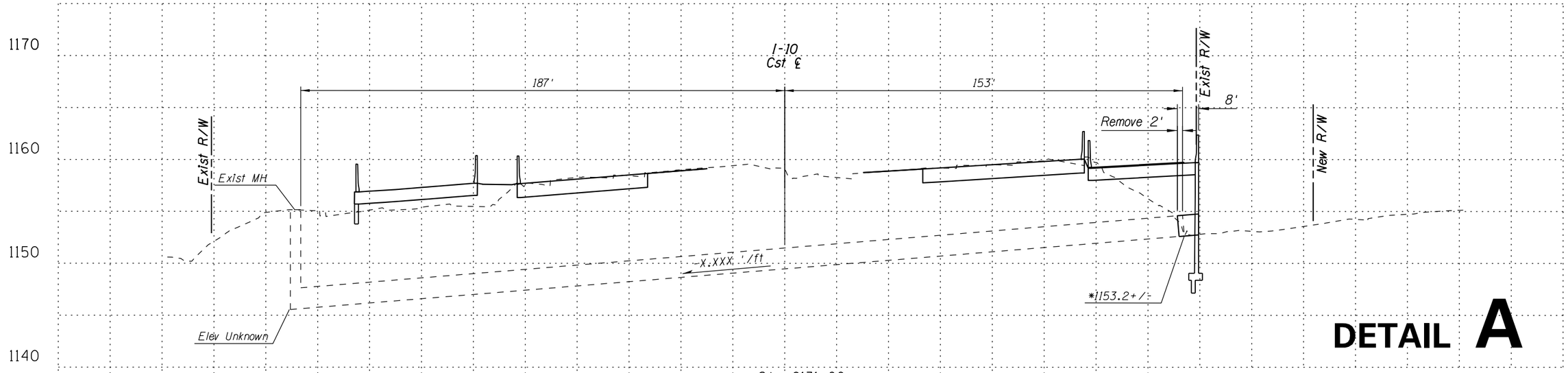

DETAIL A

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MALA	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.J2design.us

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

CULVERT DETAIL
I-10 CENTERLINE STA 8131+00

DCR
NOT FOR CONSTRUCTION OR RECORDING

ROUTE		
I-10	SR 143 - SR 202L, Santan/South Mountain	DWG NO. D-2.1
TRACS NO. H876801L		1 OF 33

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

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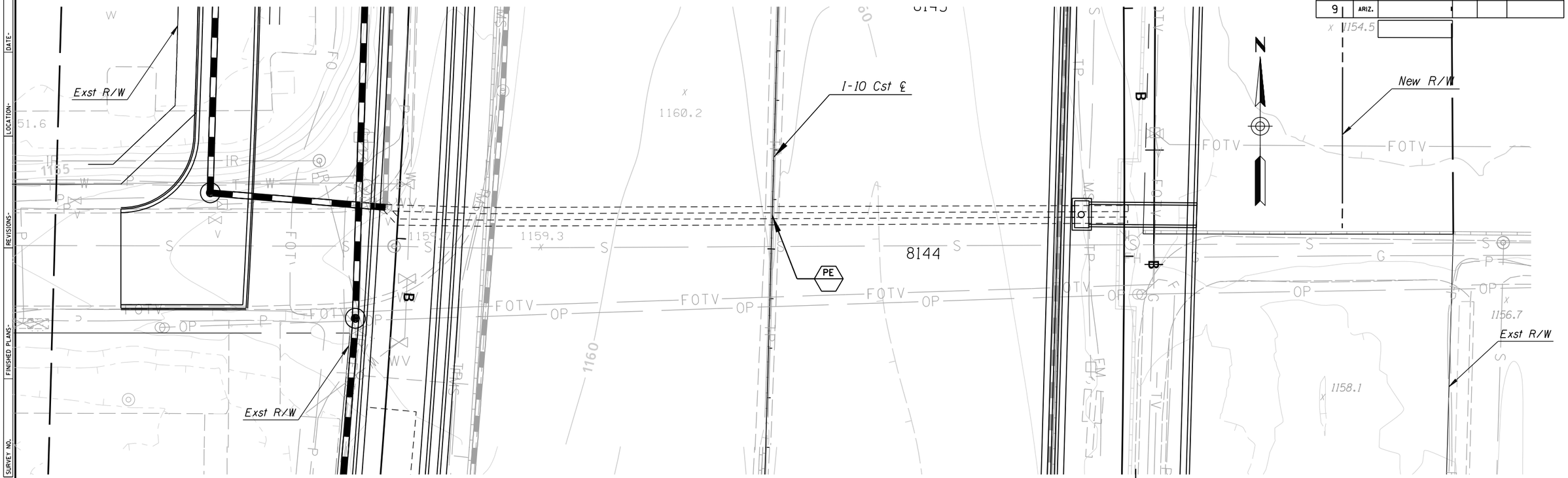

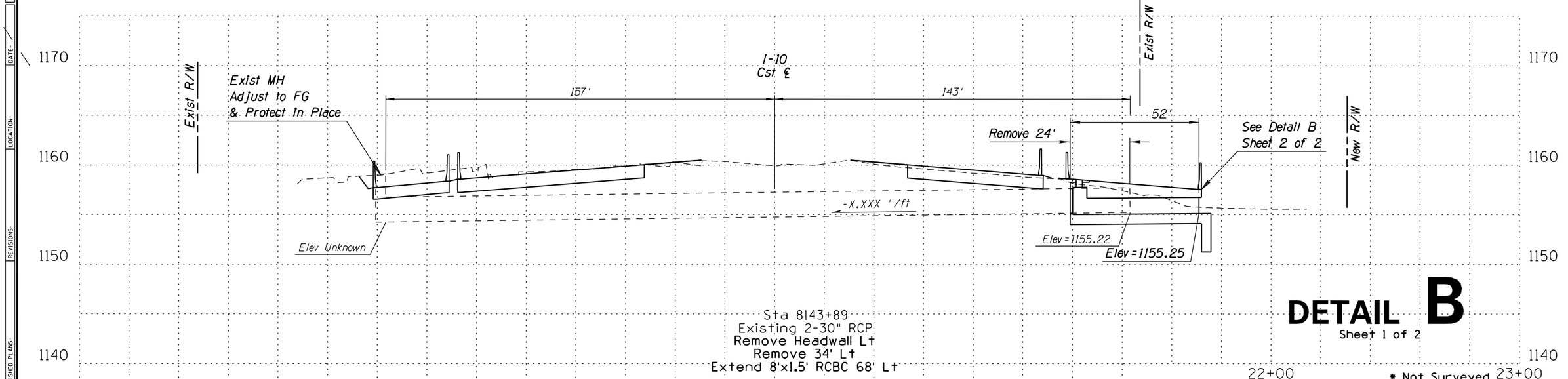

Sta 8143+89
Existing 2-30" RCP
Remove Headwall Lt
Remove 34' Lt
Extend 8'x1.5' RCBC 68' Lt

DETAIL B

Sheet 1 of 2

* Not Surveyed

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MALA	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.J2designs.us

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

CULVERT DETAIL
I-10 CENTERLINE STA 8143+89

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE 1-10 | SR 143 - SR 202L, Santan/South Mountain

DWG NO. D-2.2

TRACS NO. H876801L

2 OF 33

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

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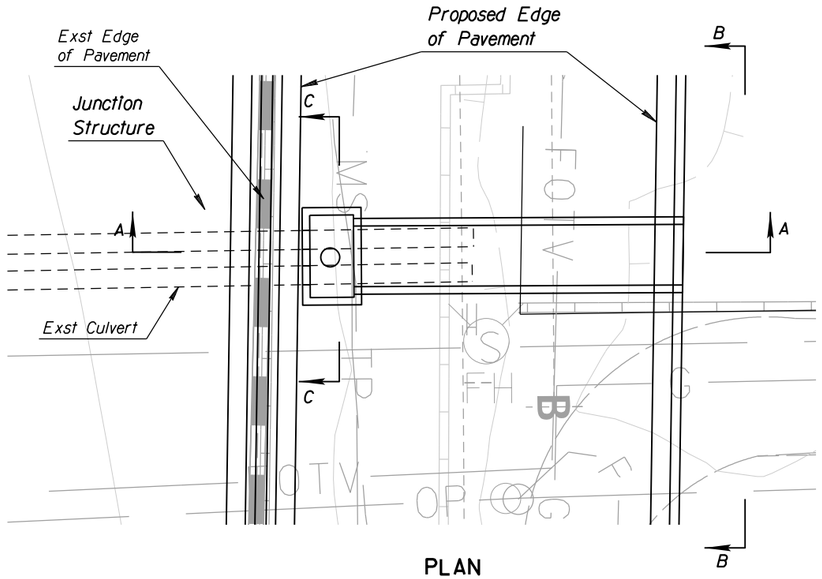
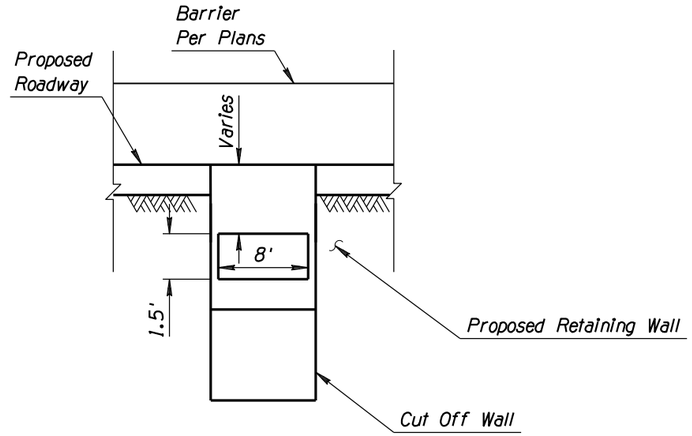


PLAN



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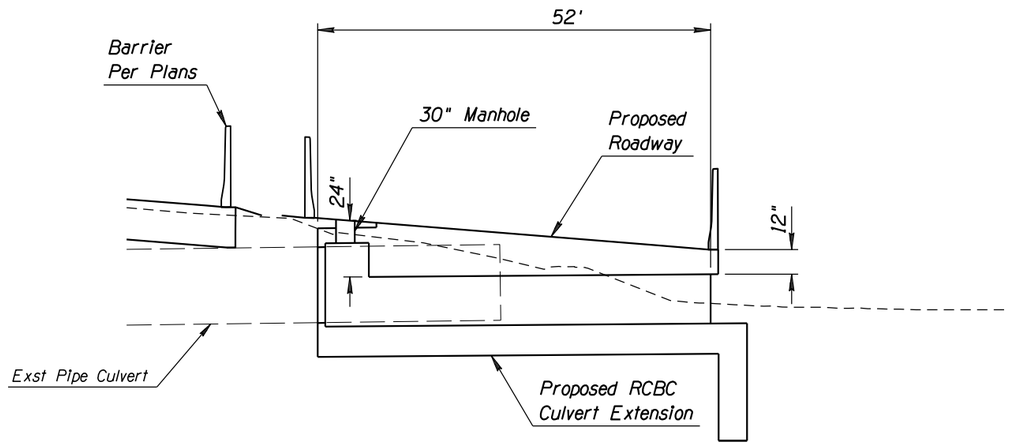

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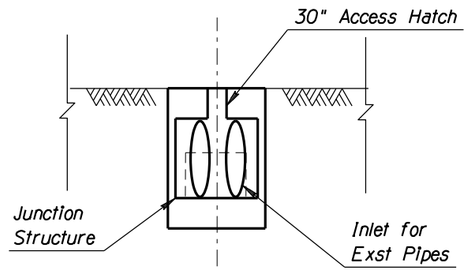

SECTION C-C

DETAIL B

Sheet 2 of 2

APPENDIX H

* Not Surveyed

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.J2designs.us

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

CULVERT DETAIL
I-10 CENTERLINE STA 8143+89

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

DWG NO. D-2.3

TRACS NO. H876801L

3 OF 33

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

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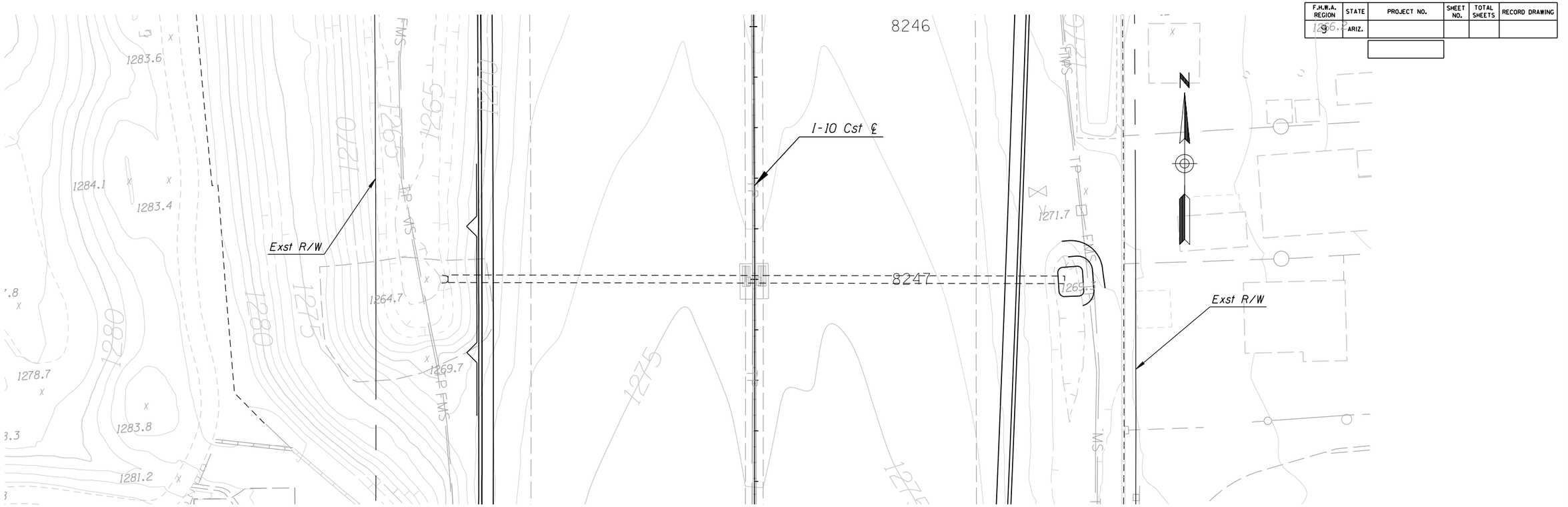

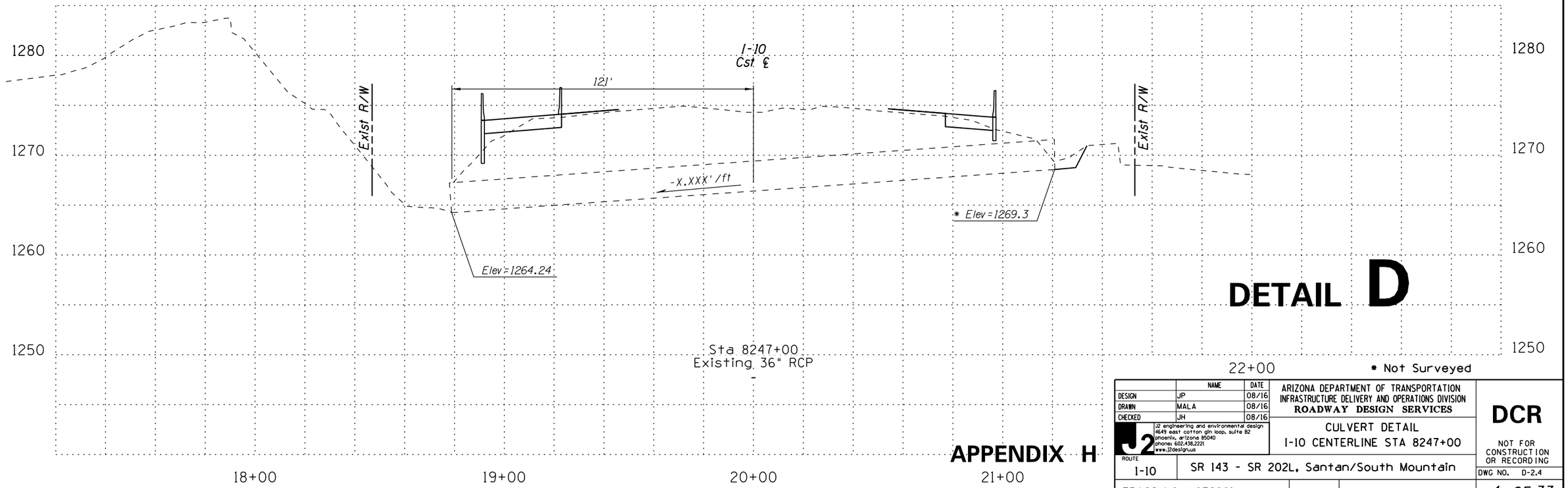

DETAIL D

* Not Surveyed

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.j2designsus

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

CULVERT DETAIL
I-10 CENTERLINE STA 8247+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE		
I-10	SR 143 - SR 202L, Santan/South Mountain	DWG NO. D-2.4
TRACS NO. H876801L		4 OF 33

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

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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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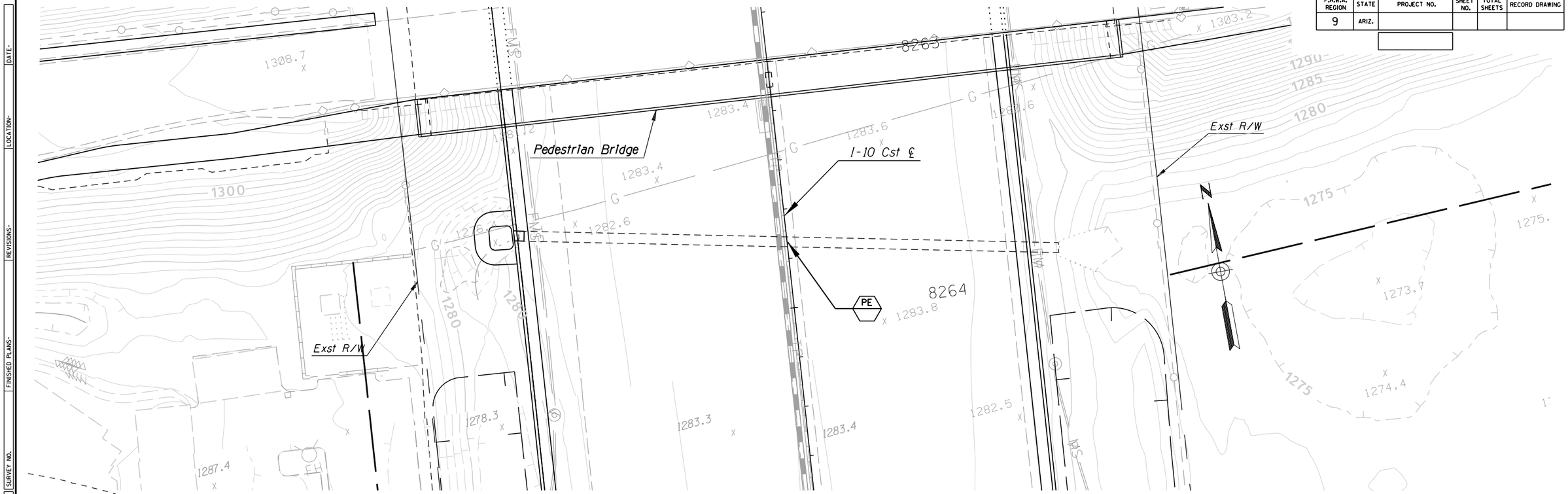
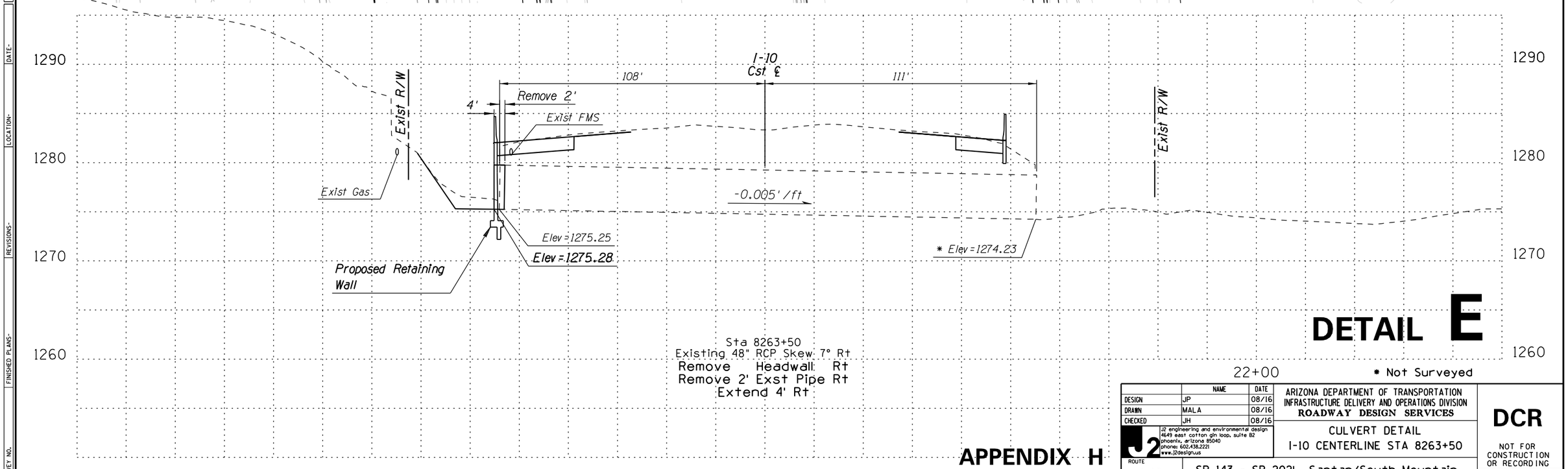
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-





Sta 8263+50
Existing 48" RCP Skew: 7° Rt
Remove Headwall Rt
Remove 2' Exst Pipe Rt
Extend 4' Rt

DETAIL E

* Not Surveyed

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MALA	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.j2designs.us

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

CULVERT DETAIL
I-10 CENTERLINE STA 8263+50

ROUTE 1-10 | SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H876801L

DCR

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DWG NO. D-2.5

5 OF 33

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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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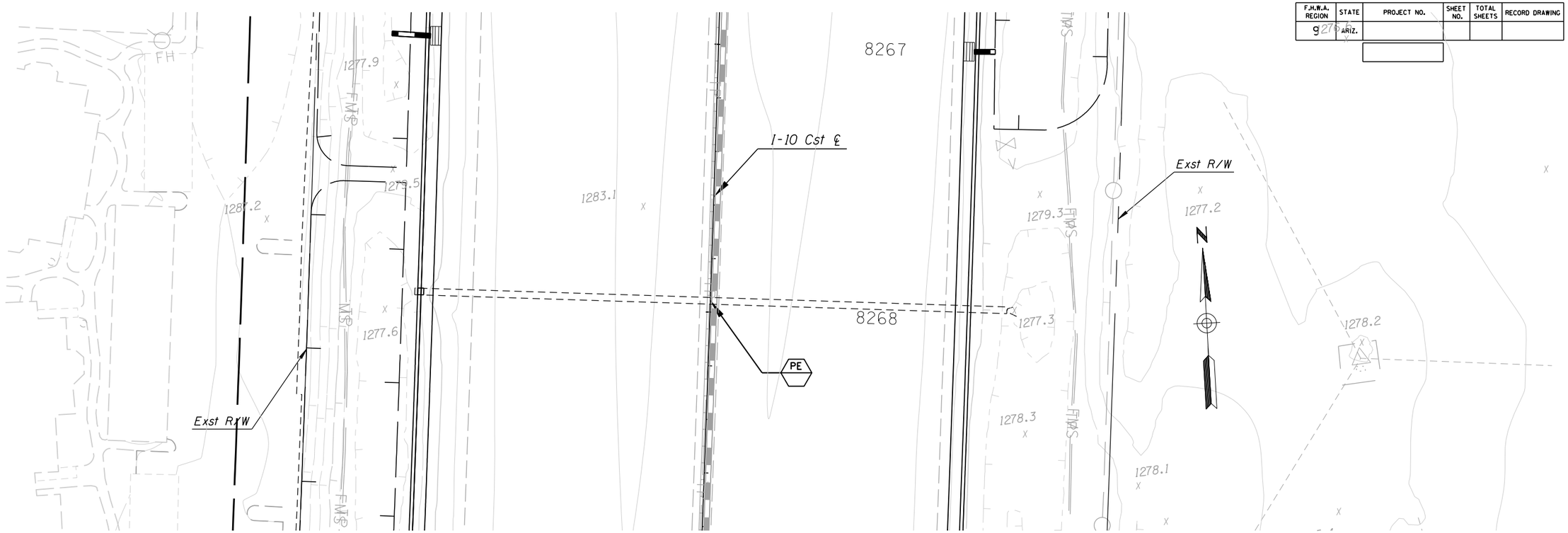
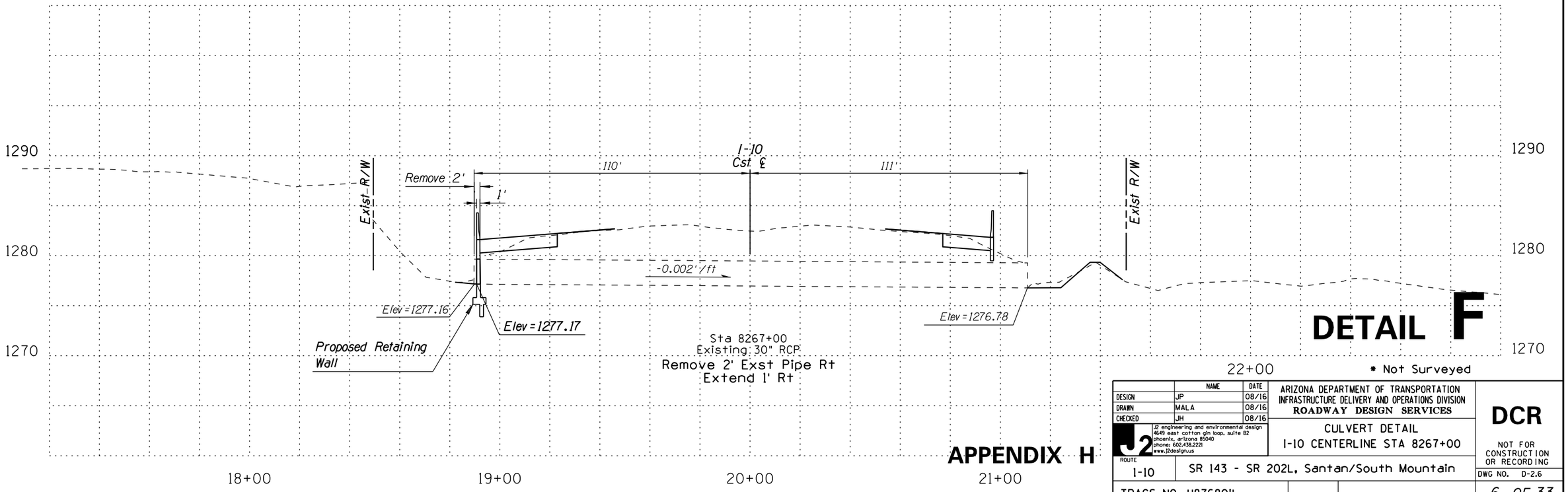
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-





DETAIL F

* Not Surveyed

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.J2designsus

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

CULVERT DETAIL
I-10 CENTERLINE STA 8267+00

ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H876801L

DCR

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DWG NO. D-2.6

6 OF 33

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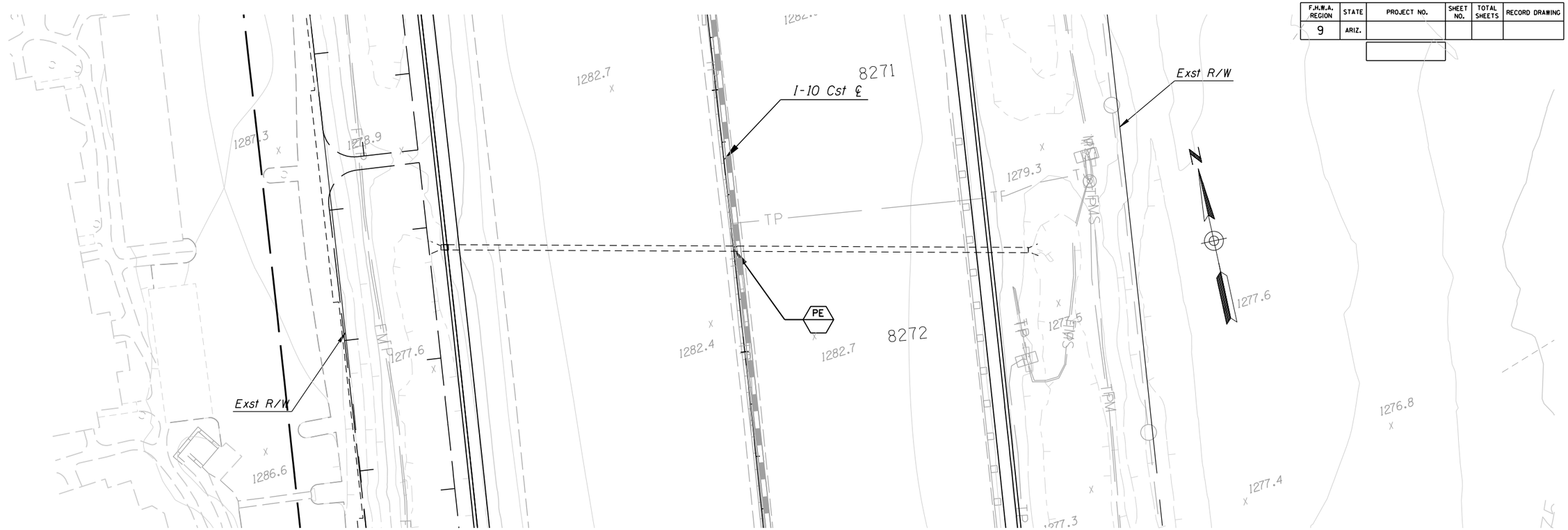

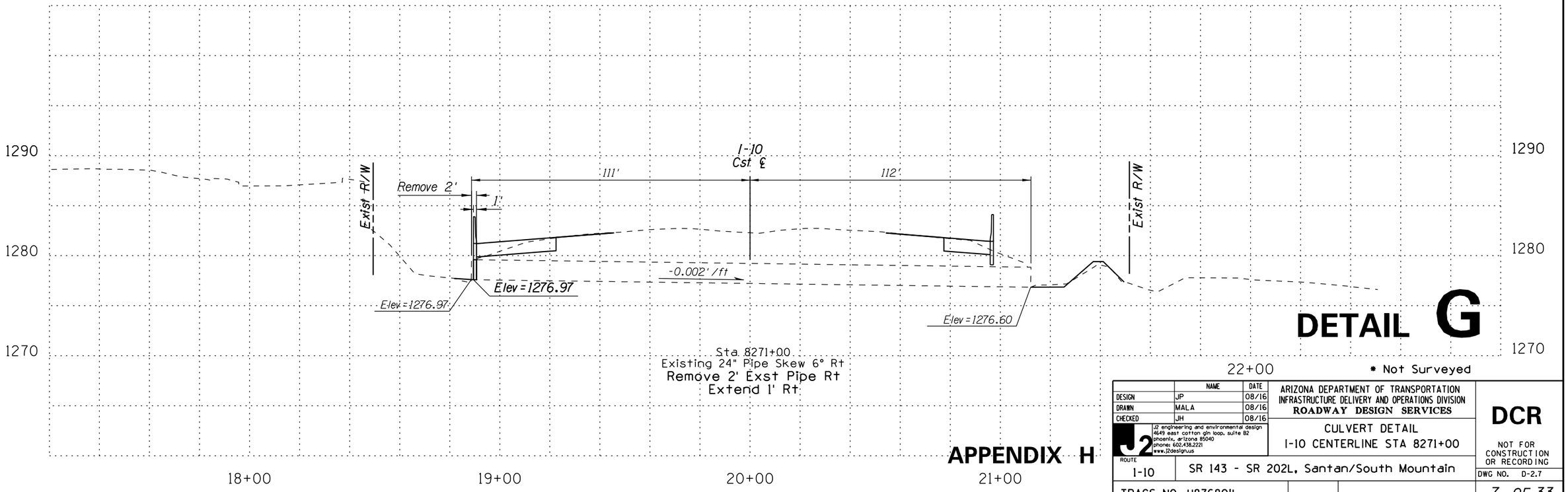

DETAIL G

* Not Surveyed

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.j2designs.us

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

CULVERT DETAIL
I-10 CENTERLINE STA 8271+00

DCR

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ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

DWG NO. D-2.7

TRACS NO. H876801L

7 OF 33

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

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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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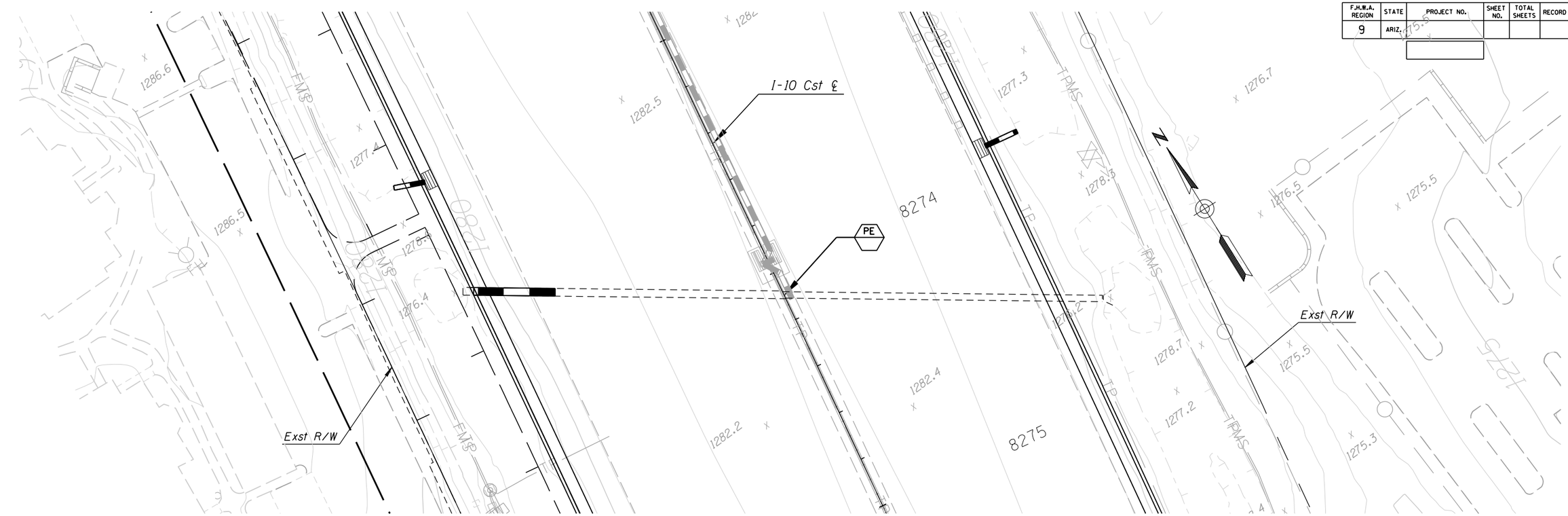
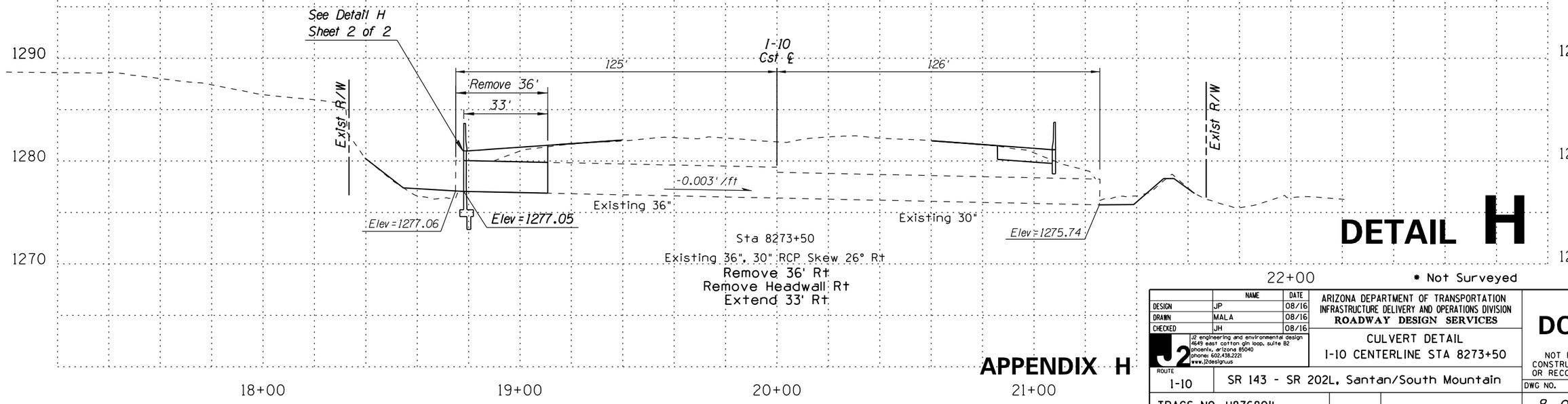
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-





DETAIL H

* Not Surveyed

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.J2designs.us

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

CULVERT DETAIL
I-10 CENTERLINE STA 8273+50

DCR

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ROUTE		
I-10	SR 143 - SR 202L, Santan/South Mountain	DWG NO. D-2.8
TRACS NO. H876801L		8 OF 33

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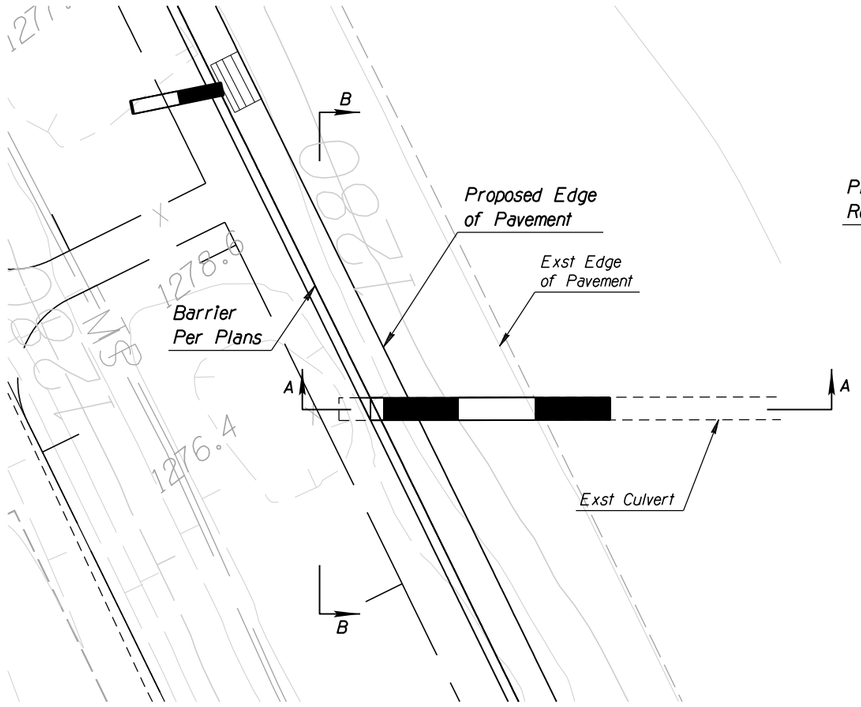

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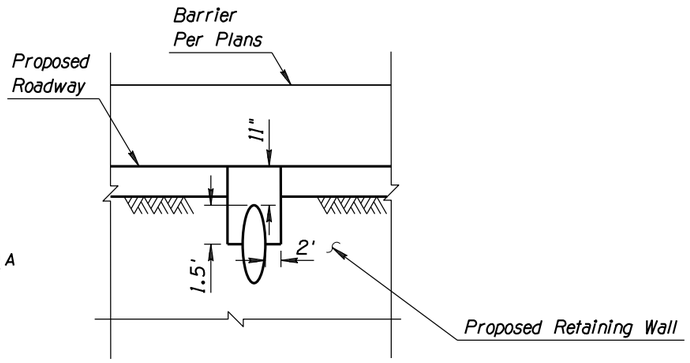

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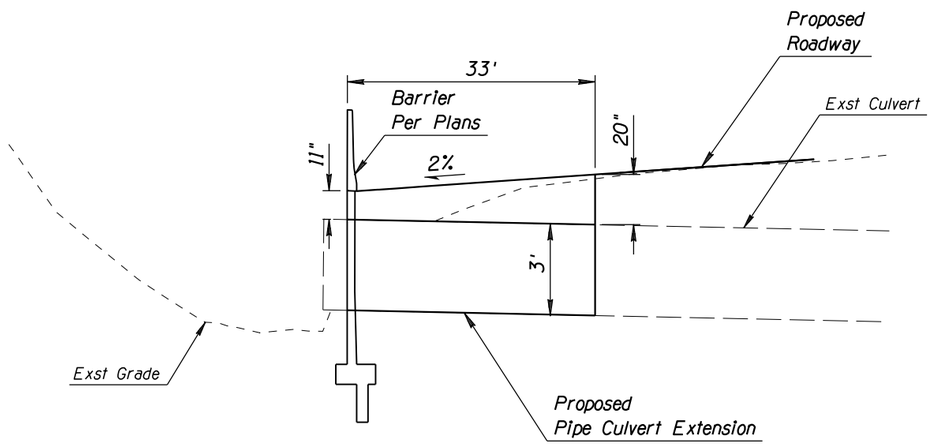

SECTION A-A

DETAIL H

Sheet 2 of 2

* Not Surveyed

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MALA	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
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www.j2designs.us

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

CULVERT DETAIL
I-10 CENTERLINE STA 8273+50

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. D-2.9

ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H876801L

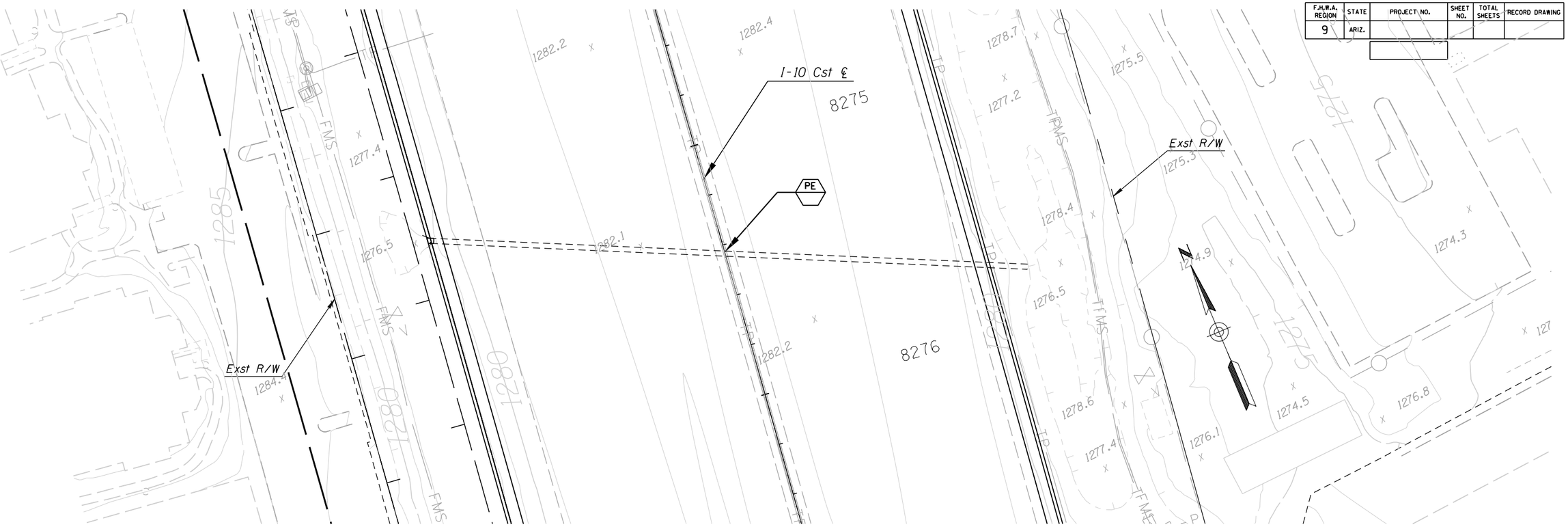
9 OF 33

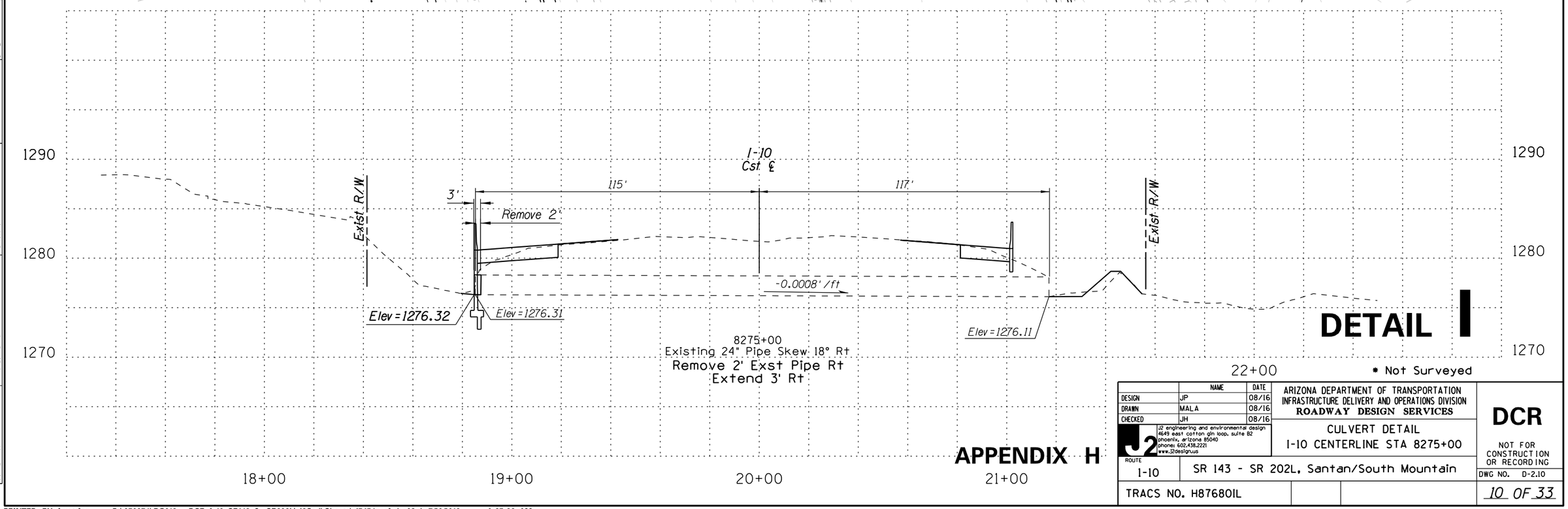
APPENDIX H

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

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

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





DETAIL I

* Not Surveyed

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MALA	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phones: 602.438.2221
www.j2designs.us

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

CULVERT DETAIL
I-10 CENTERLINE STA 8275+00

DCR

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ROUTE 1-10 | SR 143 - SR 202L, Santan/South Mountain | DWG NO. D-2.10

TRACS NO. H876801L | 10 OF 33

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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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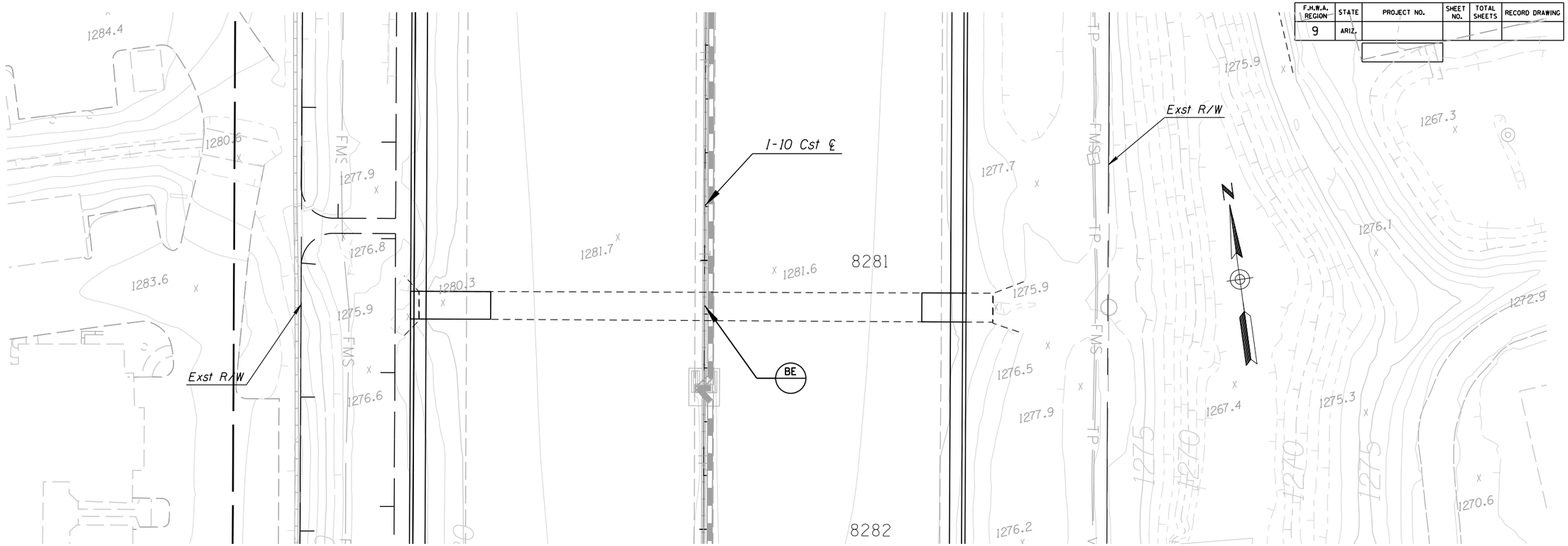
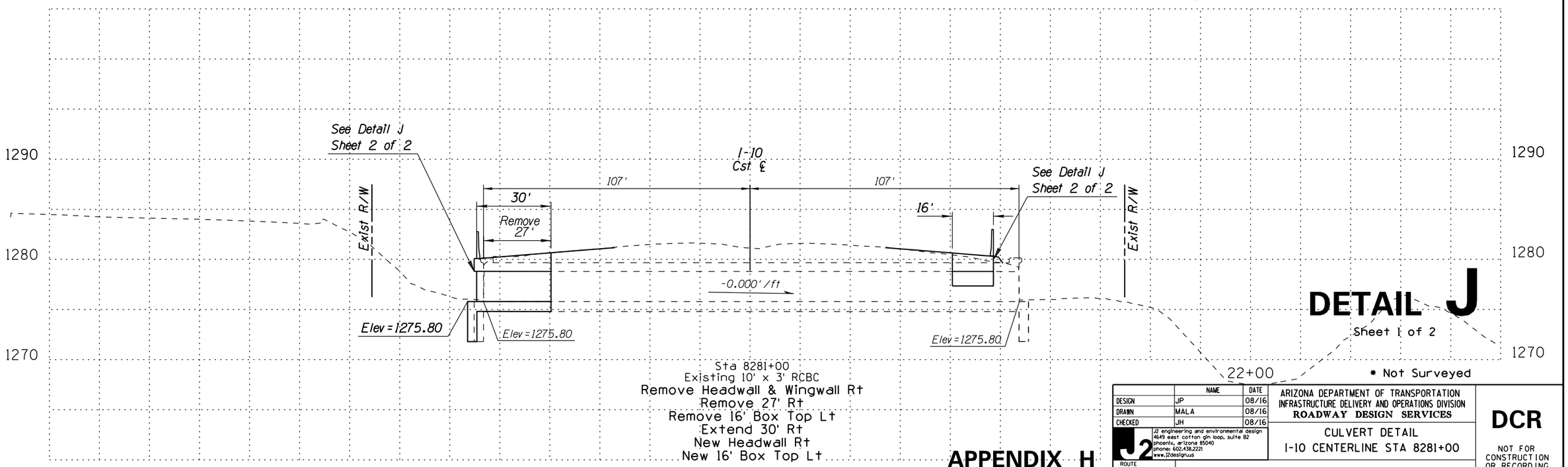
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-





Sta 8281+00
Existing 10' x 3' RCBC
Remove Headwall & Wingwall Rt
Remove 27' Rt
Remove 16' Box Top Lt
Extend 30' Rt
New Headwall Rt
New 16' Box Top Lt

APPENDIX H

DETAIL J

Sheet 1 of 2

* Not Surveyed

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MALA	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phones: 602.438.2221
www.j2designs.us

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ROADWAY DESIGN SERVICES

CULVERT DETAIL
I-10 CENTERLINE STA 8281+00

DCR

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ROUTE 1-10 | SR 143 - SR 202L, Santan/South Mountain

DWG NO. D-2.11

TRACS NO. H876801L

11 OF 33

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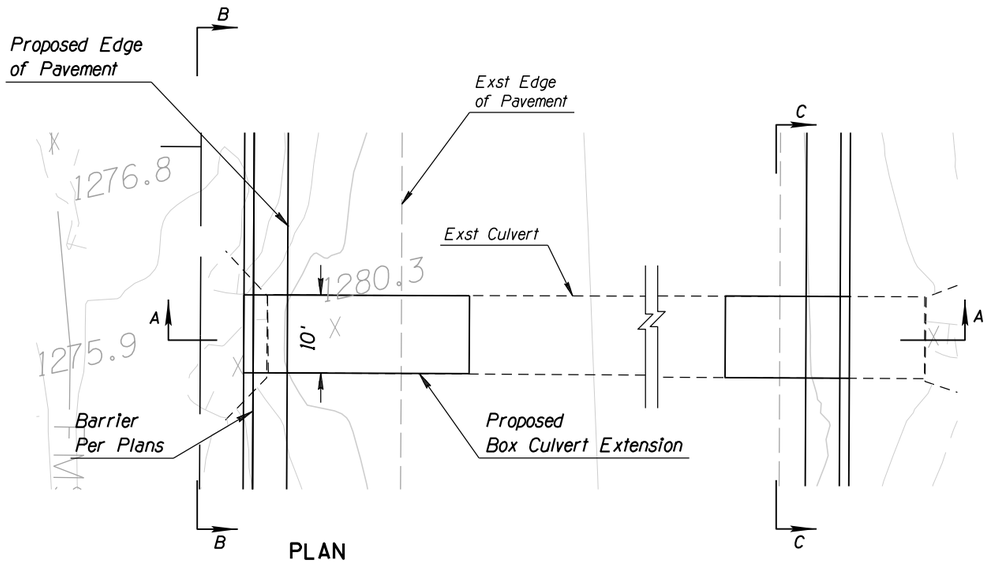
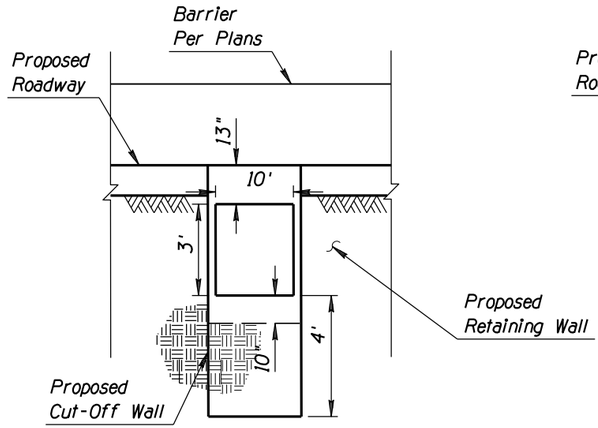
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				



PLAN



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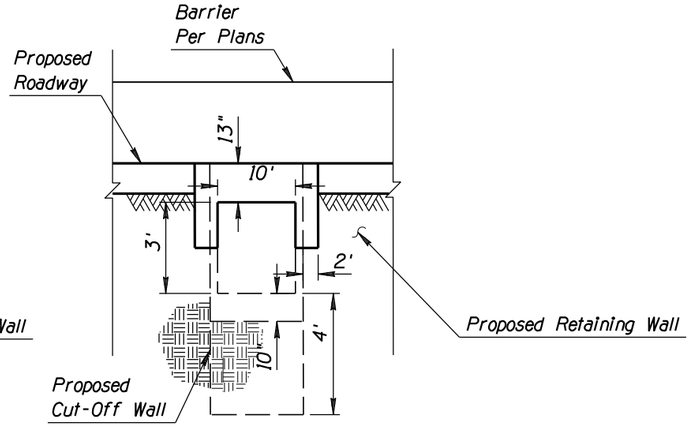

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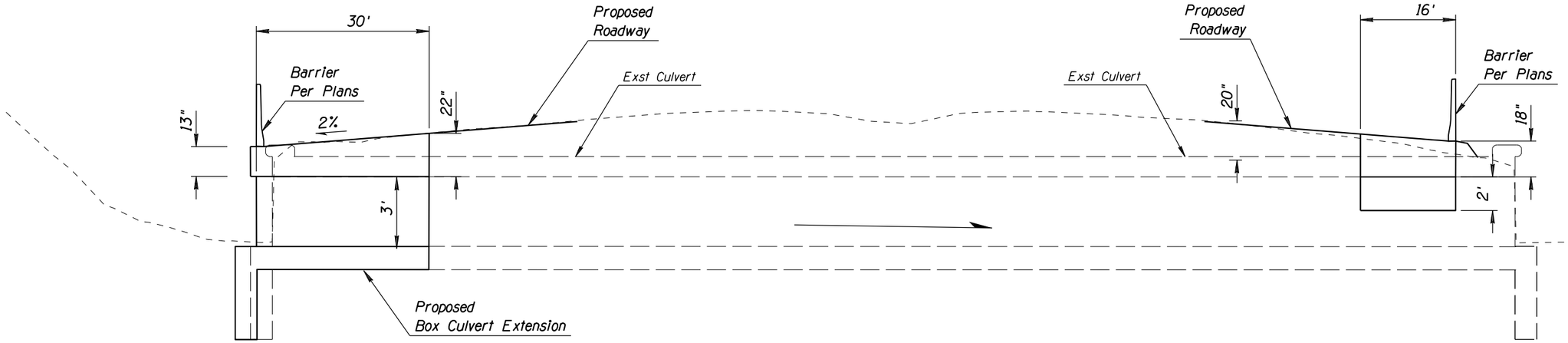

SECTION A-A

DETAIL J

Sheet 2 of 2

* Not Surveyed

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.J2designs.us

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

CULVERT DETAIL
I-10 CENTERLINE STA 8281+00

ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H876801L

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DWG NO. D-2.12

12 OF 33

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

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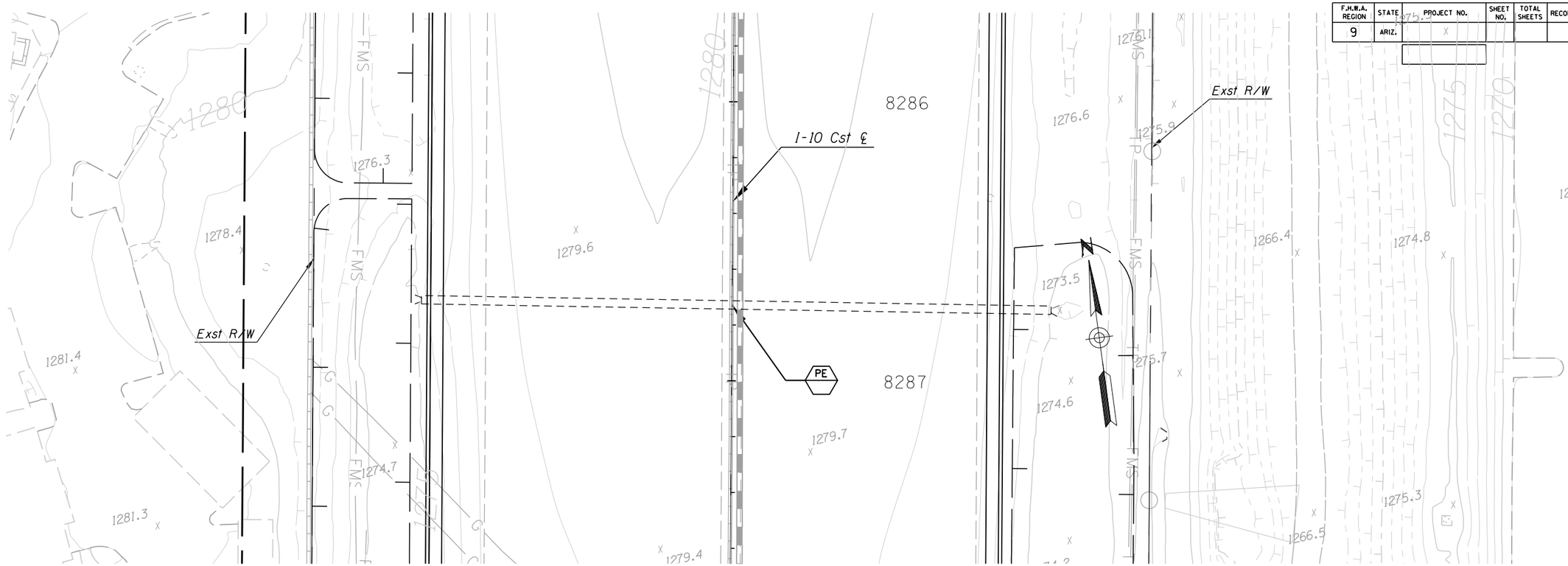
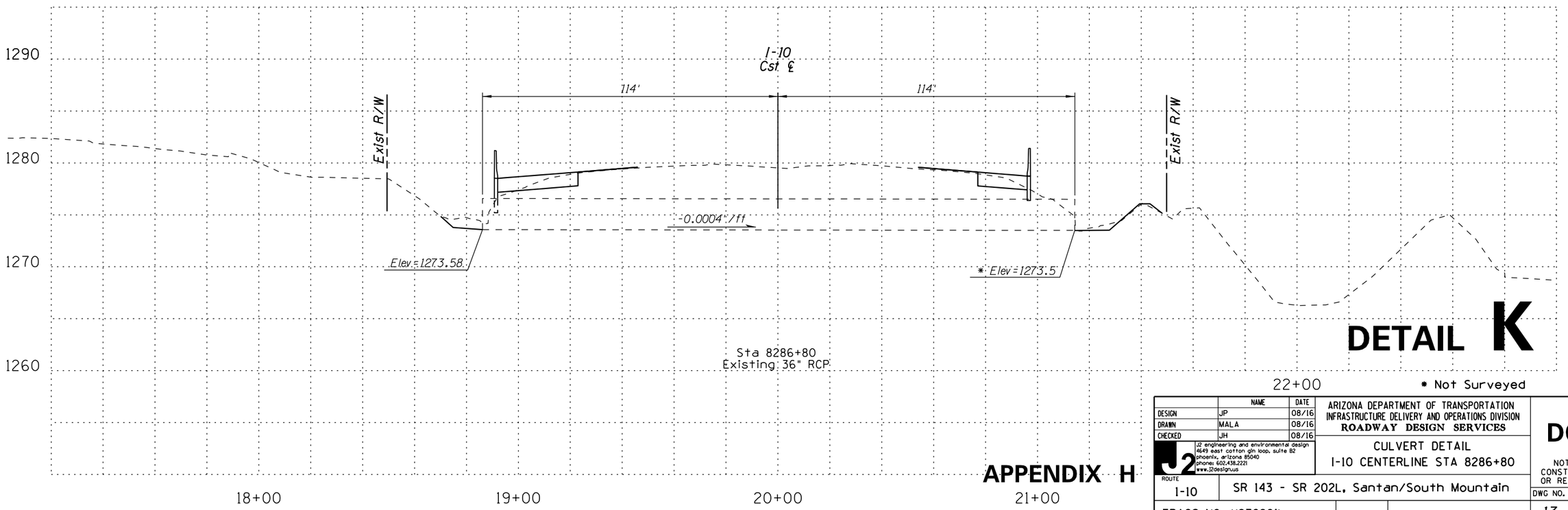
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

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





DETAIL K

* Not Surveyed

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MALA	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
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www.J2designs.us

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ROADWAY DESIGN SERVICES

CULVERT DETAIL
I-10 CENTERLINE STA 8286+80

DCR

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ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain | DWG NO. D-2.13

TRACS NO. H876801L | 13 OF 33

APPENDIX H

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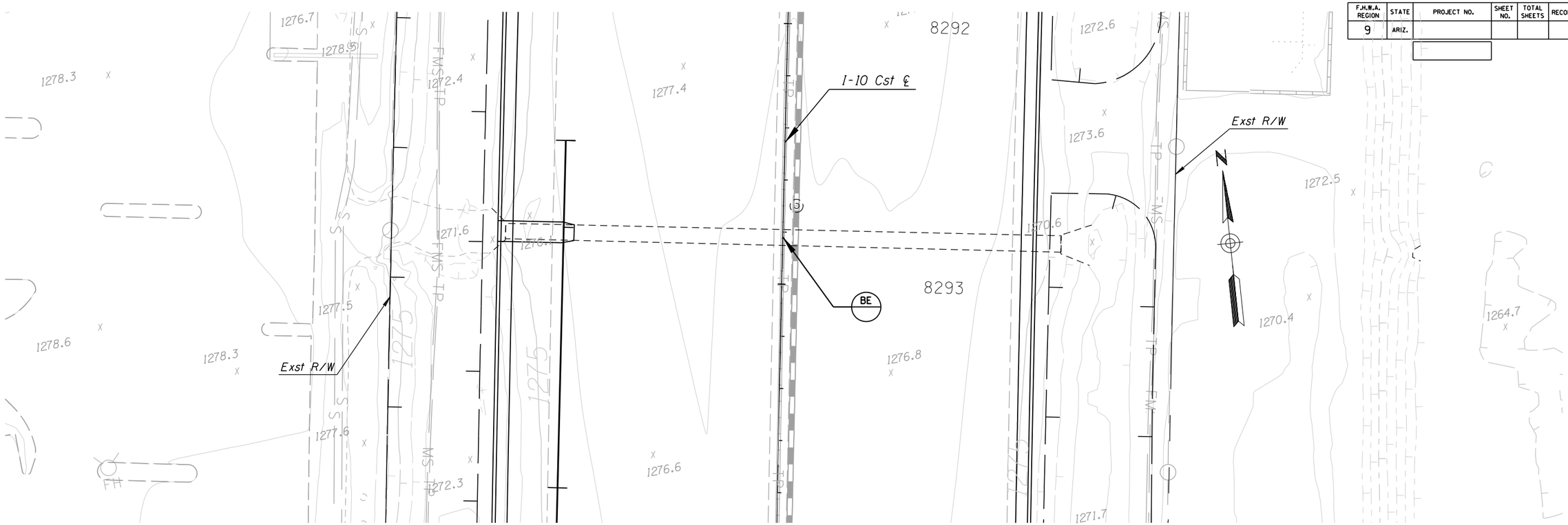
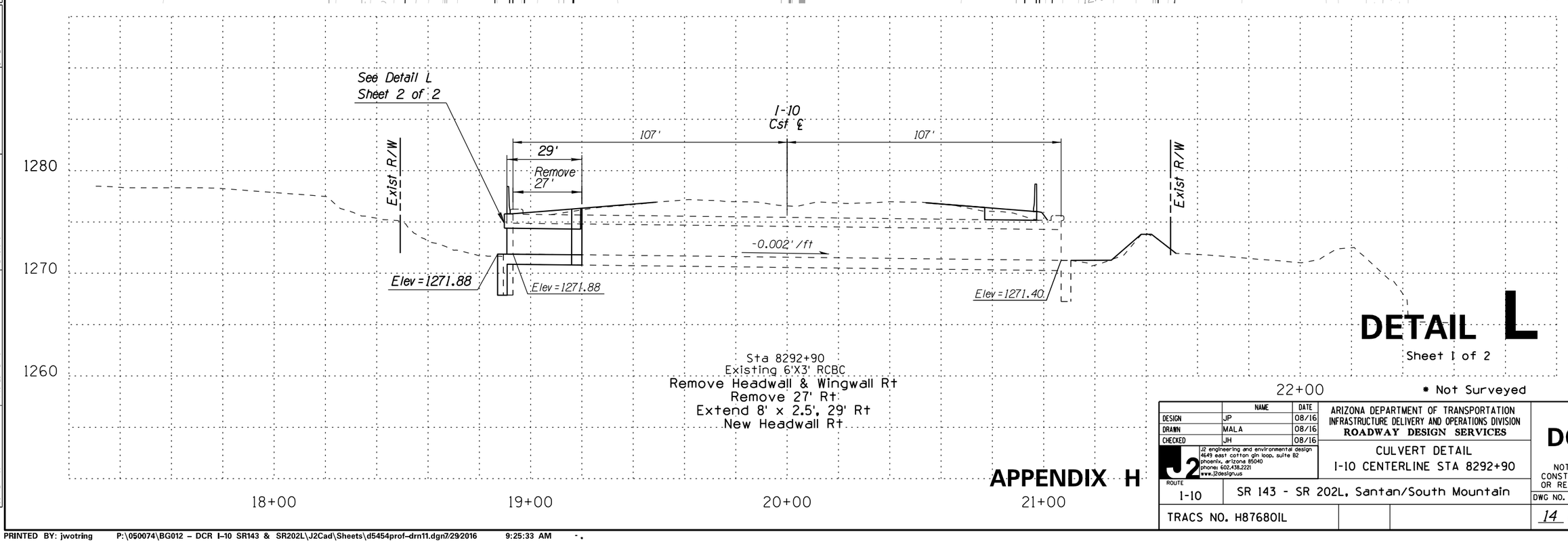
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

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





Sta 8292+90
Existing 6'X3' RCBC
Remove Headwall & Wingwall Rt
Remove 27' Rt
Extend 8' x 2.5', 29' Rt
New Headwall Rt

DETAIL L

Sheet 1 of 2

* Not Surveyed

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

CULVERT DETAIL
I-10 CENTERLINE STA 8292+90

ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H876801L

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DWG NO. D-2.14

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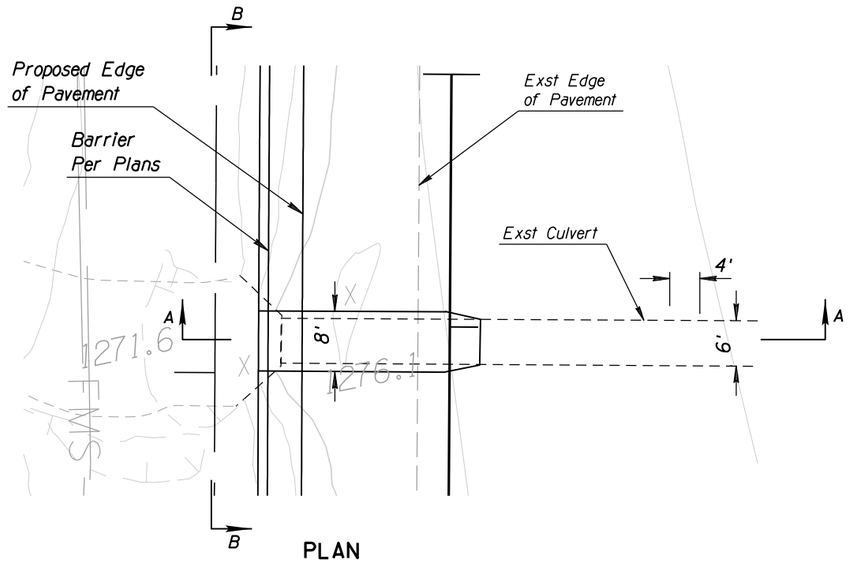

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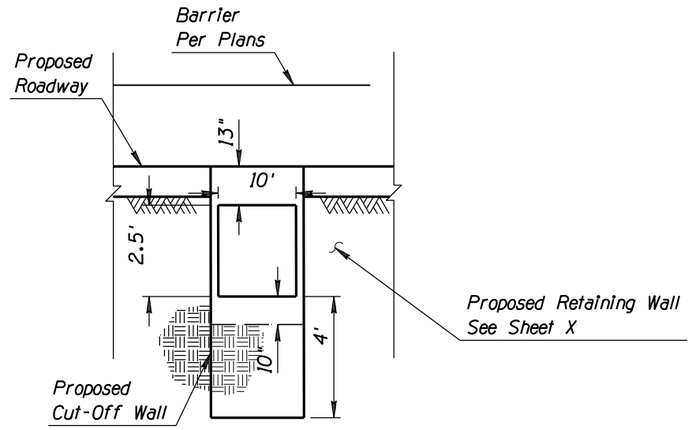

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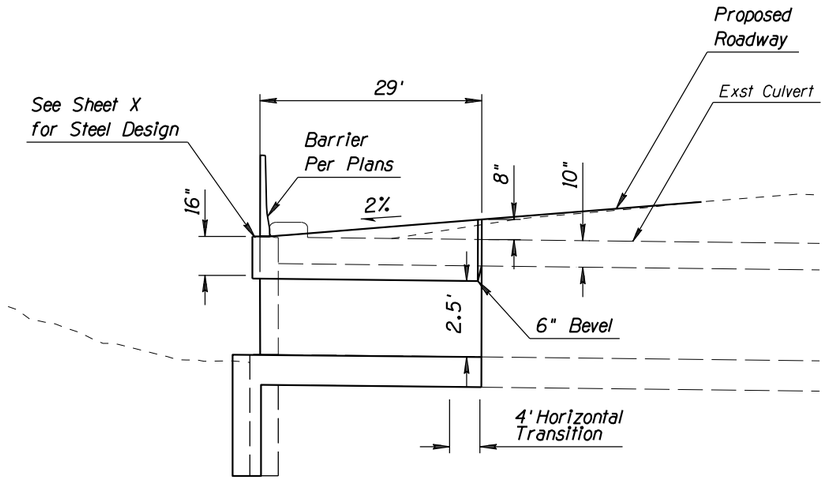

SECTION A-A

DETAIL L

Sheet 2 of 2

* Not Surveyed

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

CULVERT DETAIL
I-10 CENTERLINE STA 8292+90

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. D-2.15

ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H876801L

15 OF 33

APPENDIX H

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

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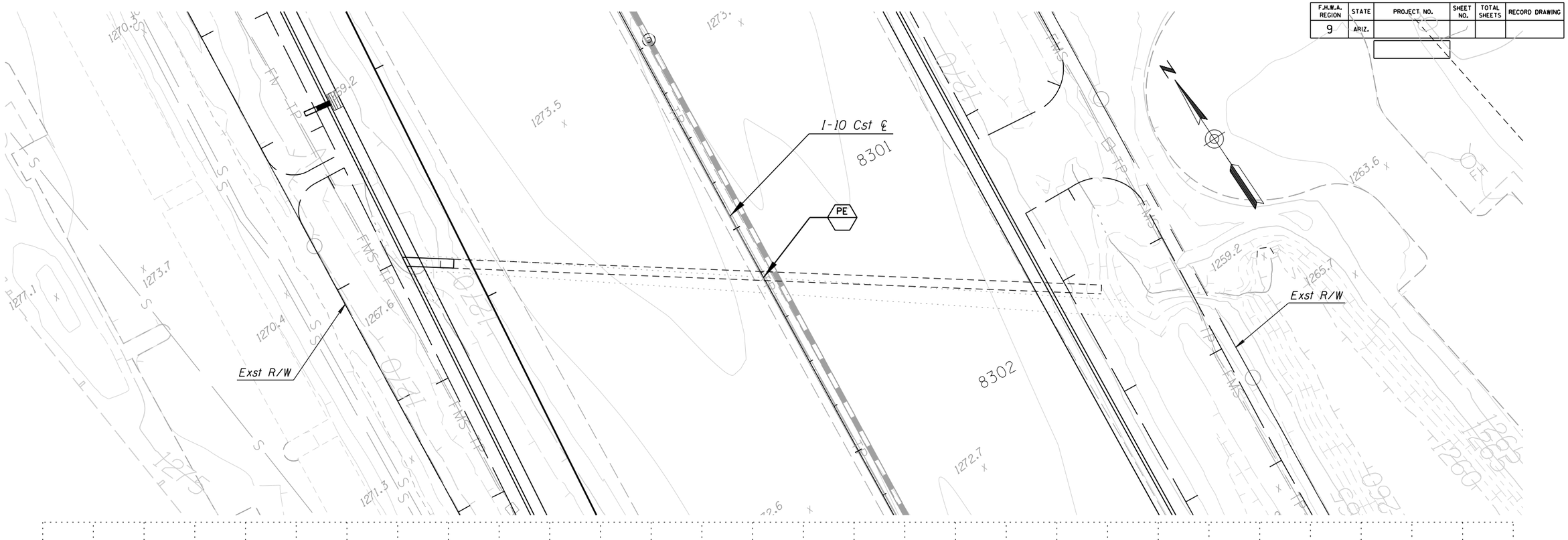
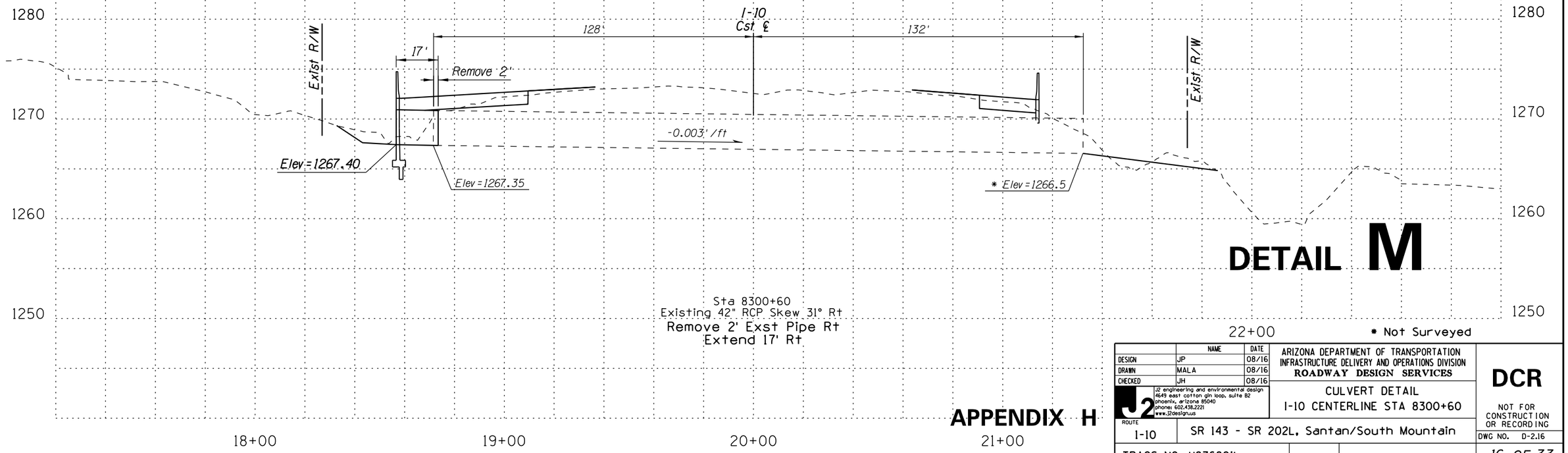
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

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





Sta 8300+60
Existing 42" RCP Skew 31° Rt
Remove 2' Exst Pipe Rt
Extend 17' Rt

DETAIL M

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MALA	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
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www.j2designs.us

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

CULVERT DETAIL
I-10 CENTERLINE STA 8300+60

DCR

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ROUTE		
I-10	SR 143 - SR 202L, Santan/South Mountain	DWG NO. D-2.16
TRACS NO. H876801L		16 OF 33

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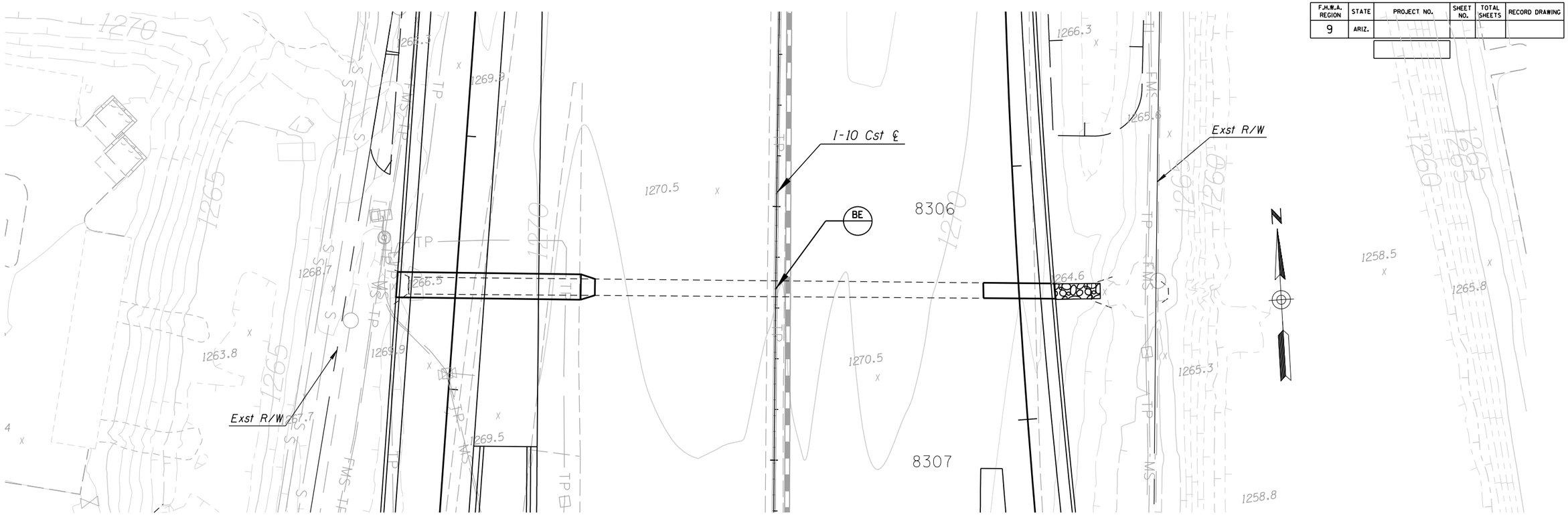
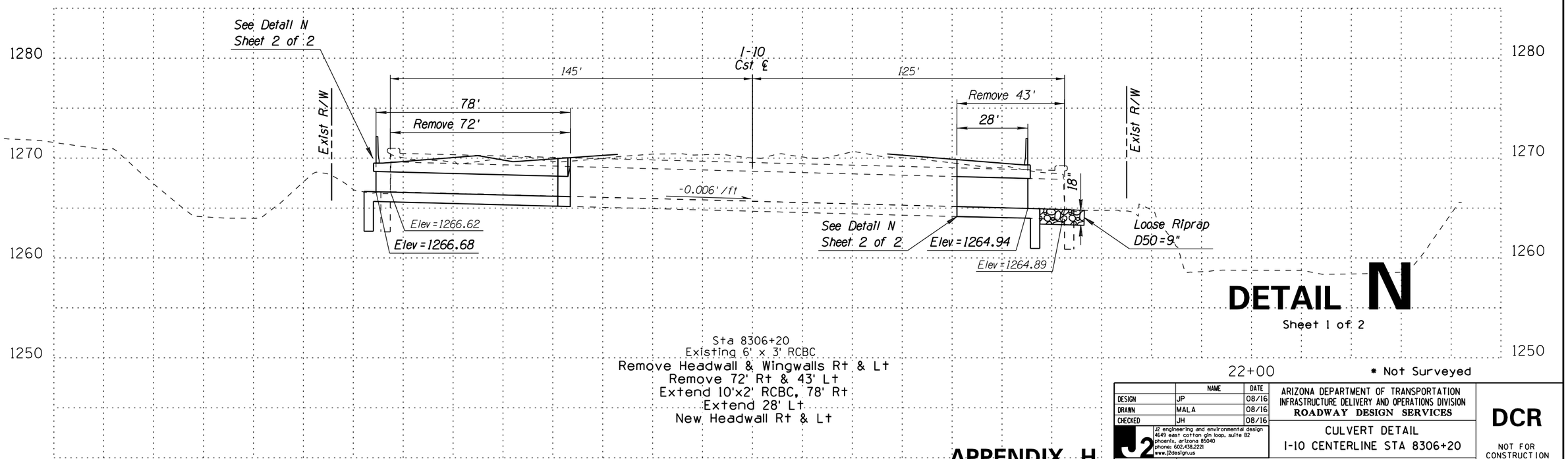
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

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





DETAIL N

Sheet 1 of 2

Sta 8306+20
Existing 6' x 3' RCBC
Remove Headwall & Wingwalls Rt & Lt
Remove 72' Rt & 43' Lt
Extend 10'x2' RCBC, 78' Rt
Extend 28' Lt
New Headwall Rt & Lt

* Not Surveyed

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MALA	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

CULVERT DETAIL
I-10 CENTERLINE STA 8306+20

DCR

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ROUTE 1-10 | SR 143 - SR 202L, Santan/South Mountain

DWG NO. D-2.17

TRACS NO. H876801L

17 OF 33

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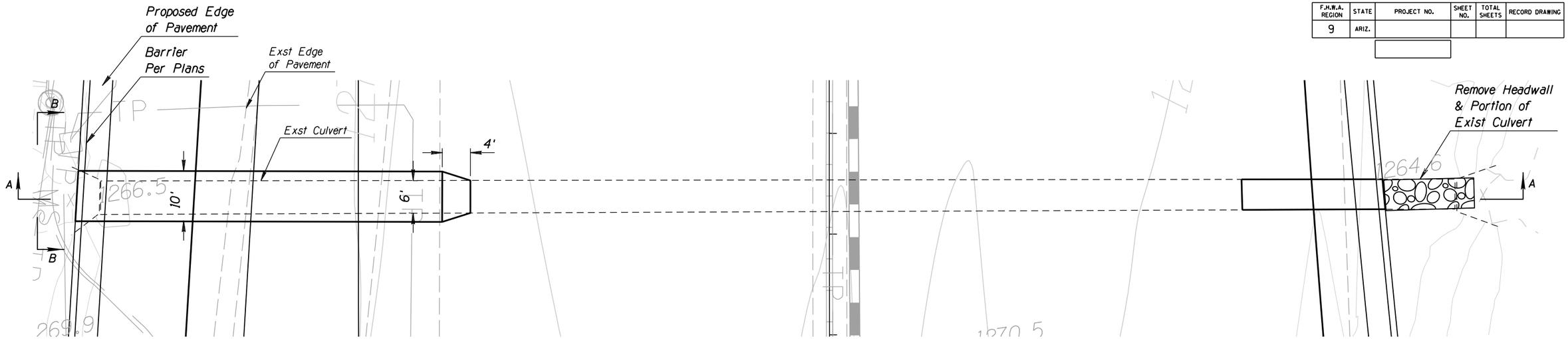

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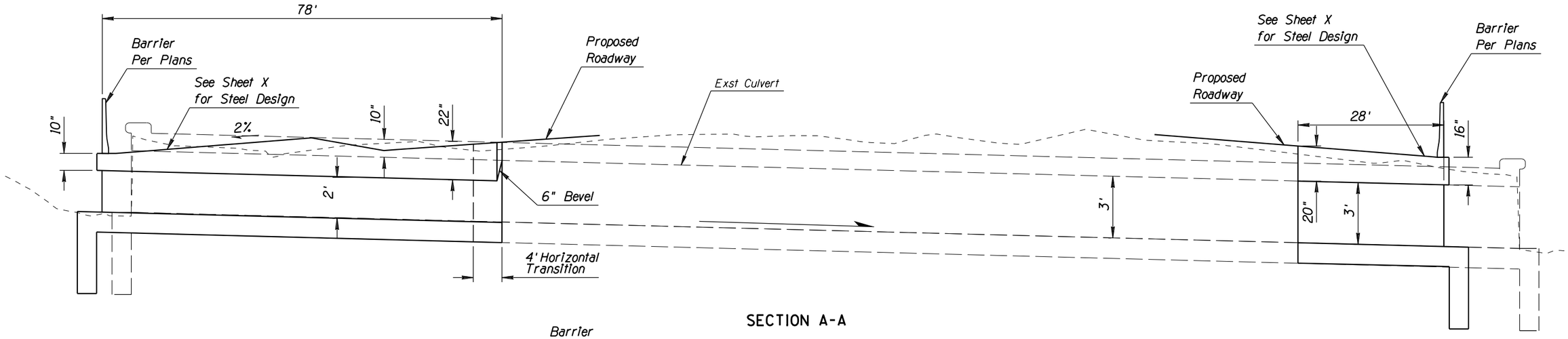

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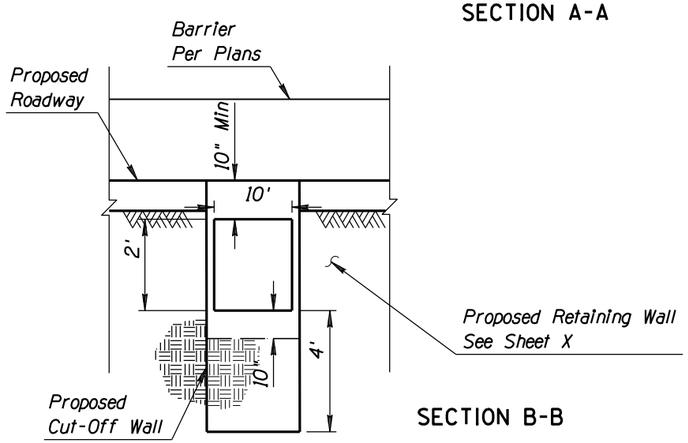

SECTION B-B

DETAIL N

Sheet 2 of 2

* Not Surveyed

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

CULVERT DETAIL
I-10 CENTERLINE STA 8306+20

ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H876801L

DCR

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DWG NO. D-2.18

18 OF 33

APPENDIX H

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

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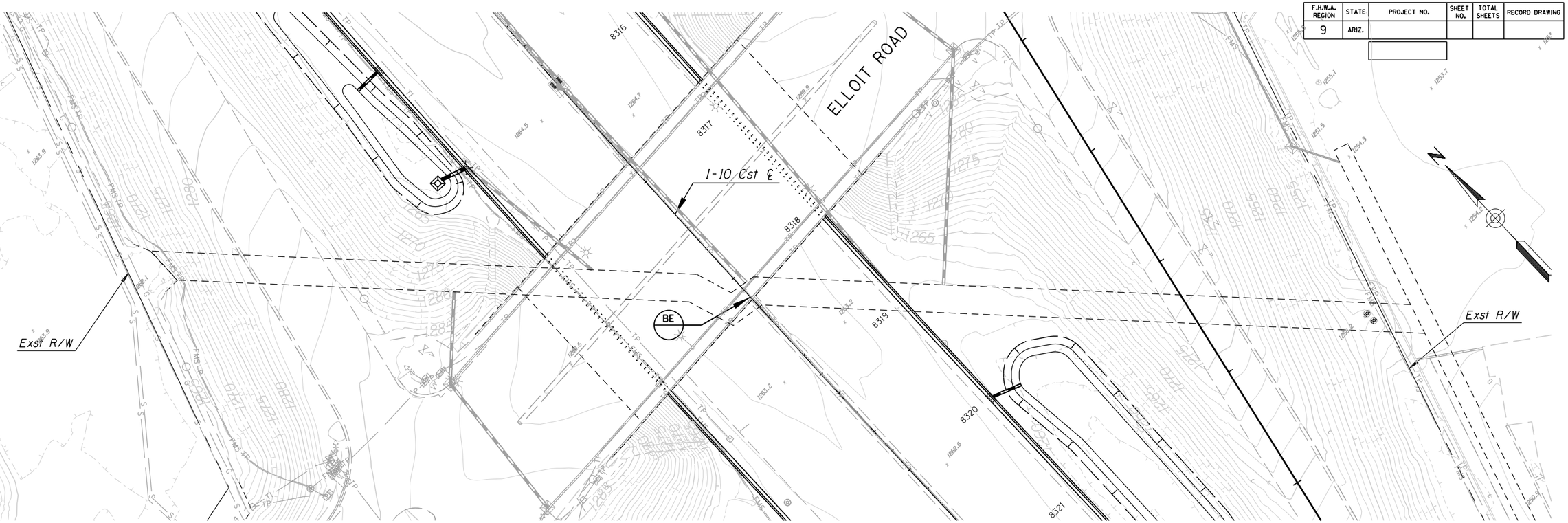
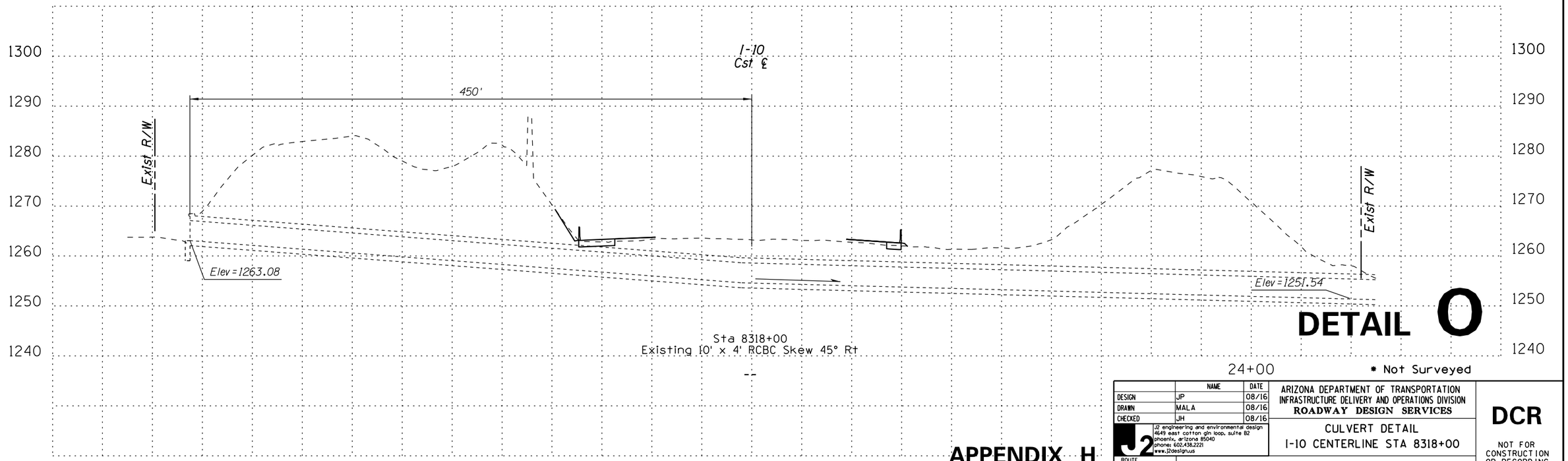
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

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





DETAIL O

* Not Surveyed

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.j2designsus

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

CULVERT DETAIL
I-10 CENTERLINE STA 8318+00

DCR

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ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

DWG NO. D-2.19

TRACS NO. H876801L

19 OF 33

APPENDIX H

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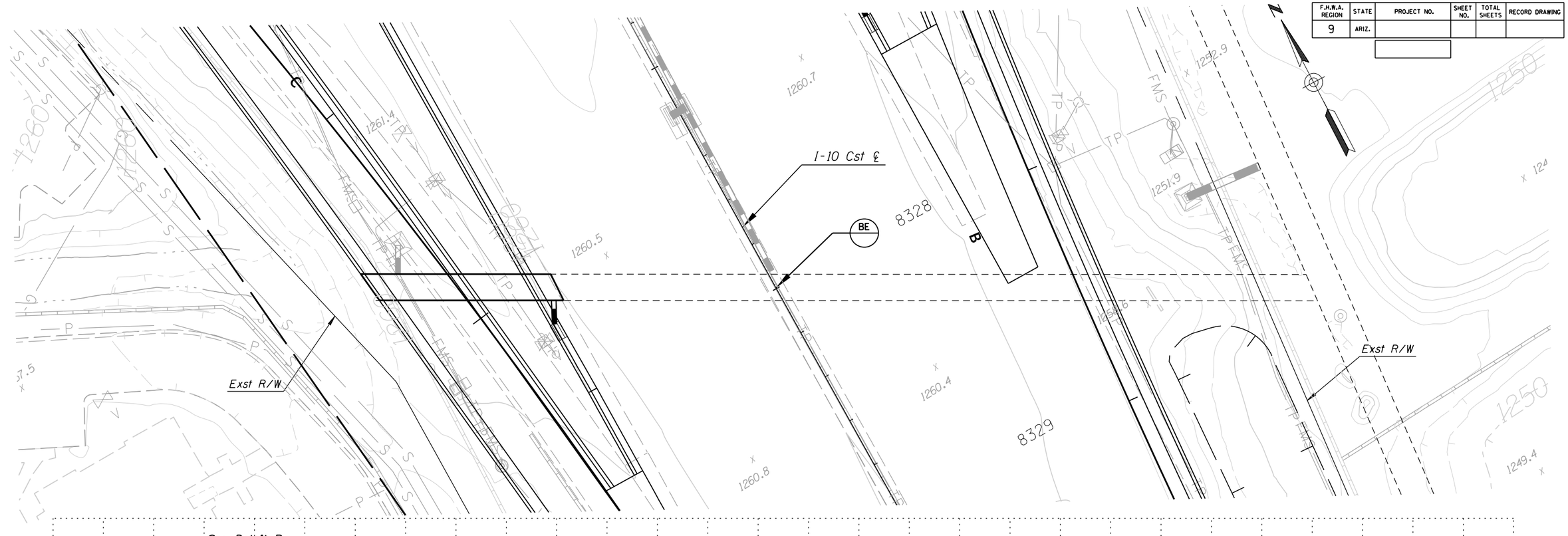
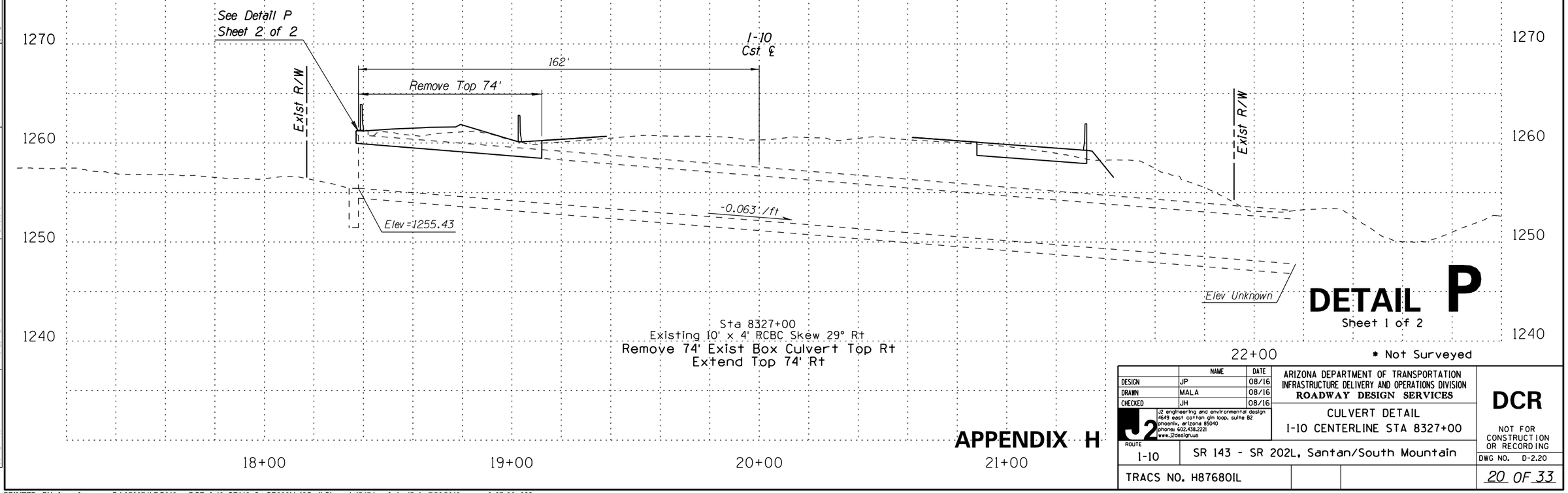
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

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





Sta 8327+00
Existing 10' x 4' RCBC Skew 29° Rt
Remove 74' Exist Box Culvert Top Rt
Extend Top 74' Rt

DETAIL P
Sheet 1 of 2

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MALA	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

CULVERT DETAIL
I-10 CENTERLINE STA 8327+00

ROUTE 1-10 | SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H876801L

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DWG NO. D-2.20

20 OF 33

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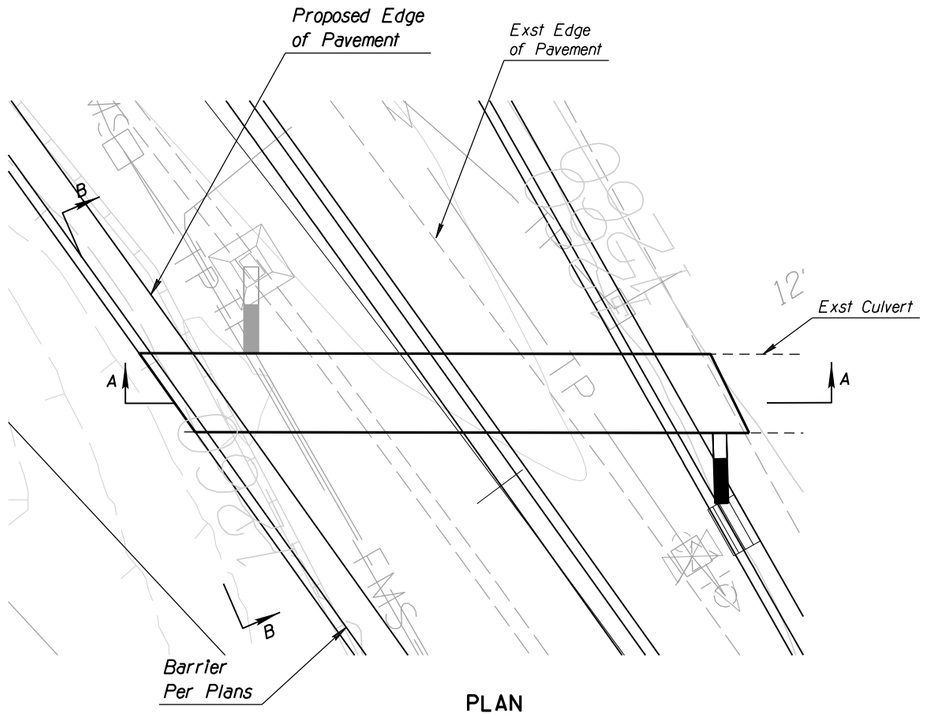
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				



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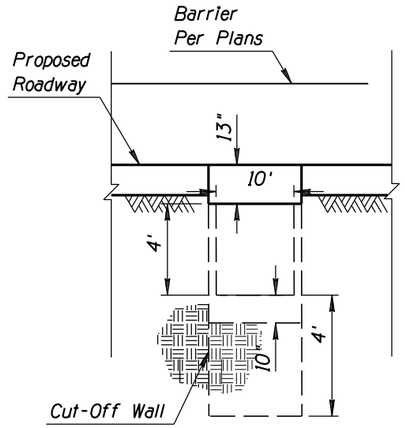

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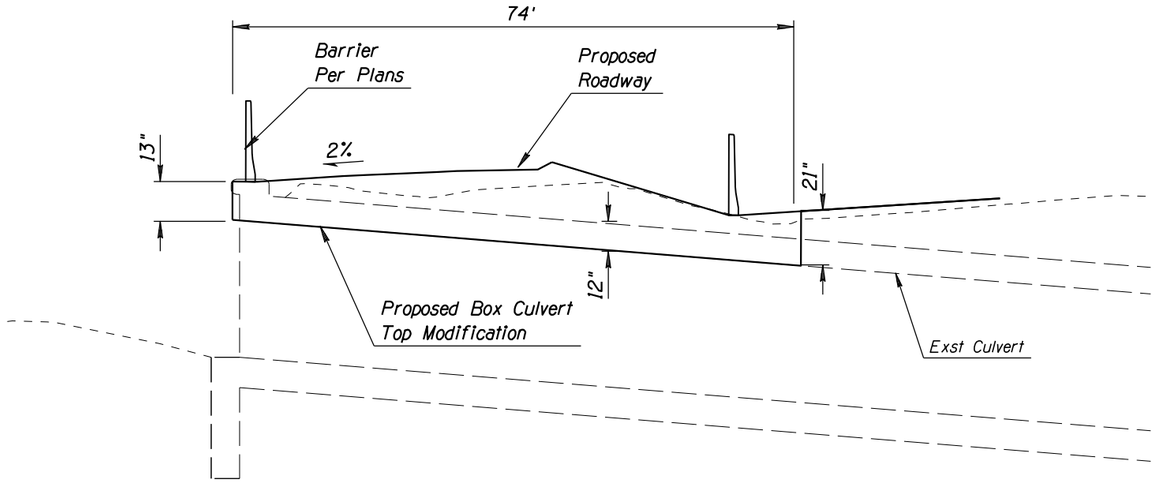

SECTION A-A

DETAIL P

Sheet 2 of 2

* Not Surveyed

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.J2designs.us

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

CULVERT DETAIL
I-10 CENTERLINE STA 8327+00

ROUTE I-10

SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H876801L

DCR

NOT FOR CONSTRUCTION OR RECORDING

DWG NO. D-2.21

21 OF 33

APPENDIX H

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

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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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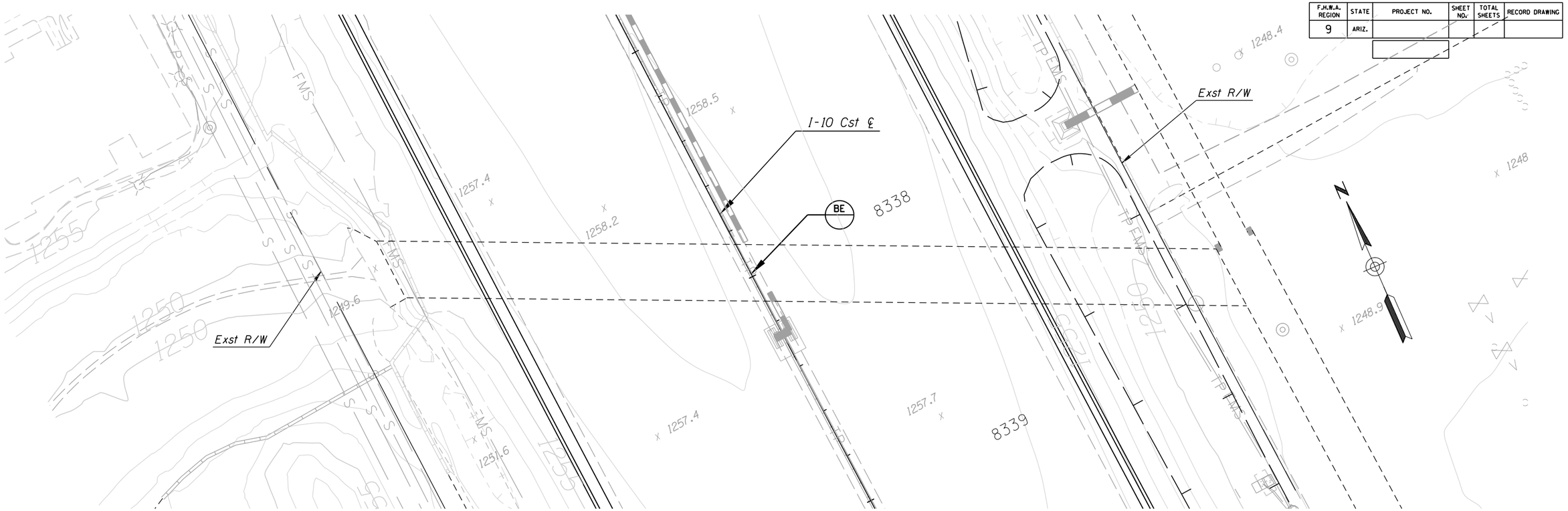
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BE
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8339
Exst R/W
Exst R/W
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1258.2
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1257.7
1254.6
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1248
1248.9
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1250
FMS
FMS
FMS
TP FMS
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TP FMS
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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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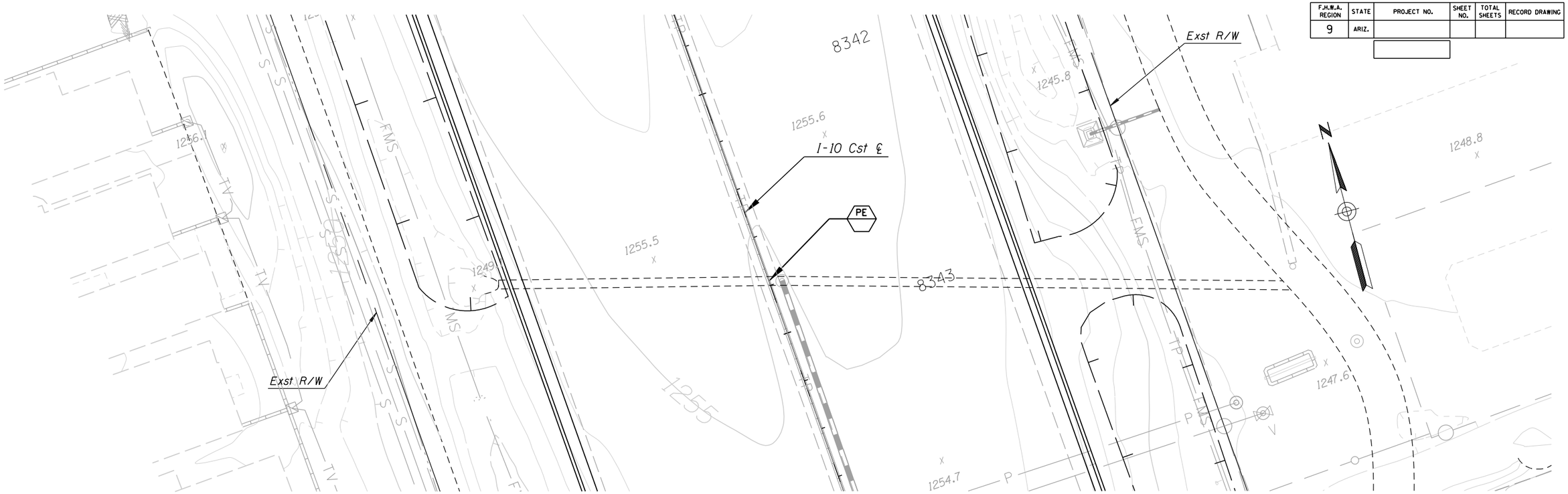

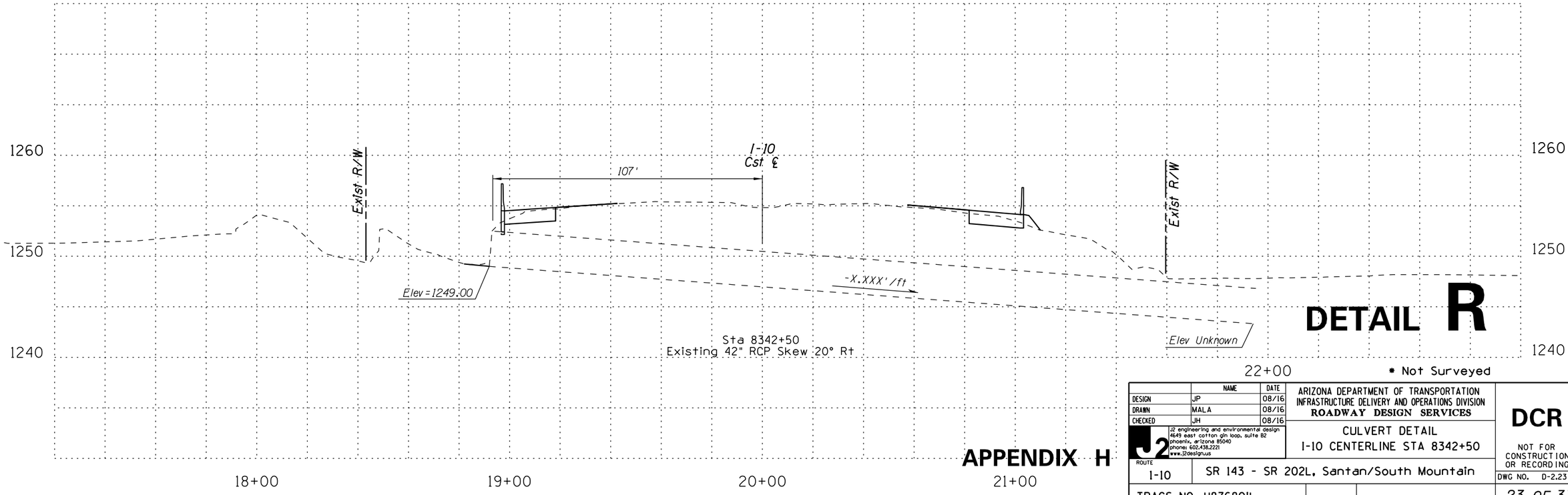

DETAIL R

* Not Surveyed

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.J2designs.us

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

CULVERT DETAIL
I-10 CENTERLINE STA 8342+50

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

DWG NO. D-2.23

TRACS NO. H876801L

23 OF 33

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

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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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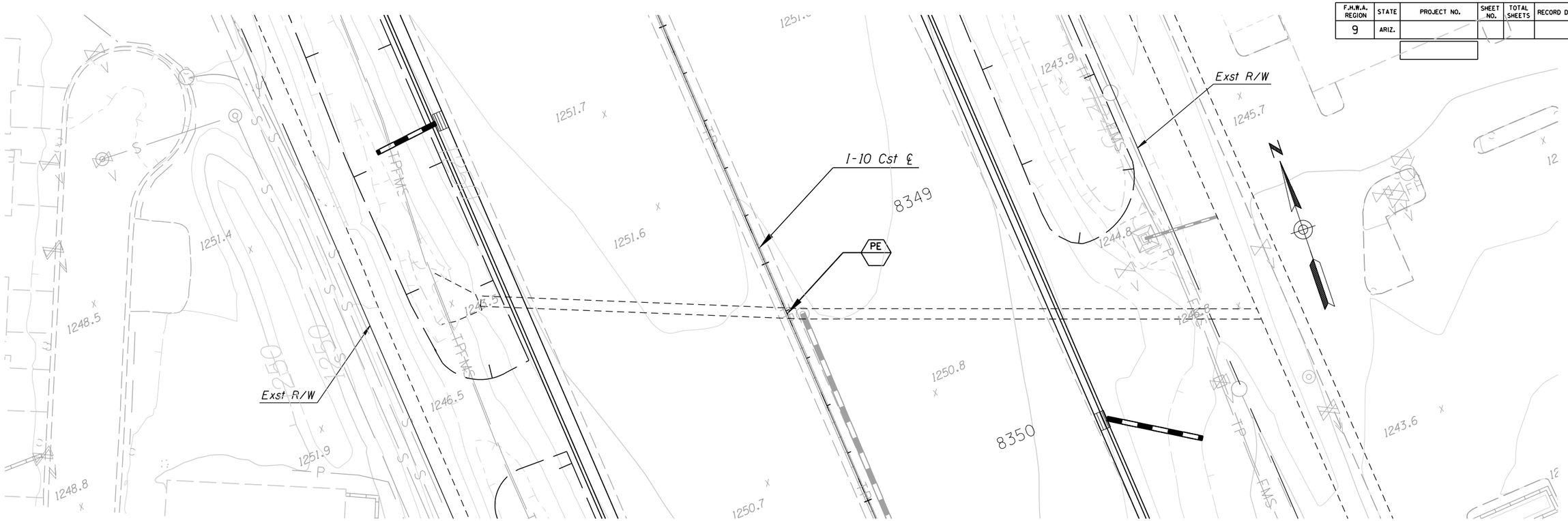
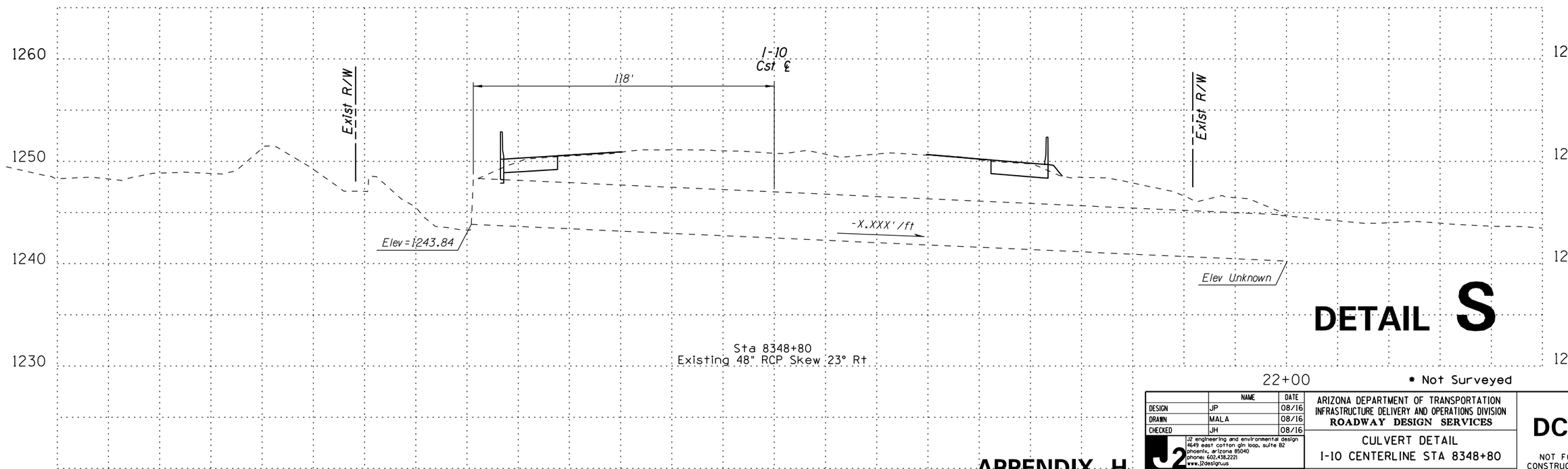
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-





* Not Surveyed

DETAIL S

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MALA	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.j2design.us

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

CULVERT DETAIL
I-10 CENTERLINE STA 8348+80

ROUTE: I-10 | SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H876801L

DCR

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DWG NO. D-2.24

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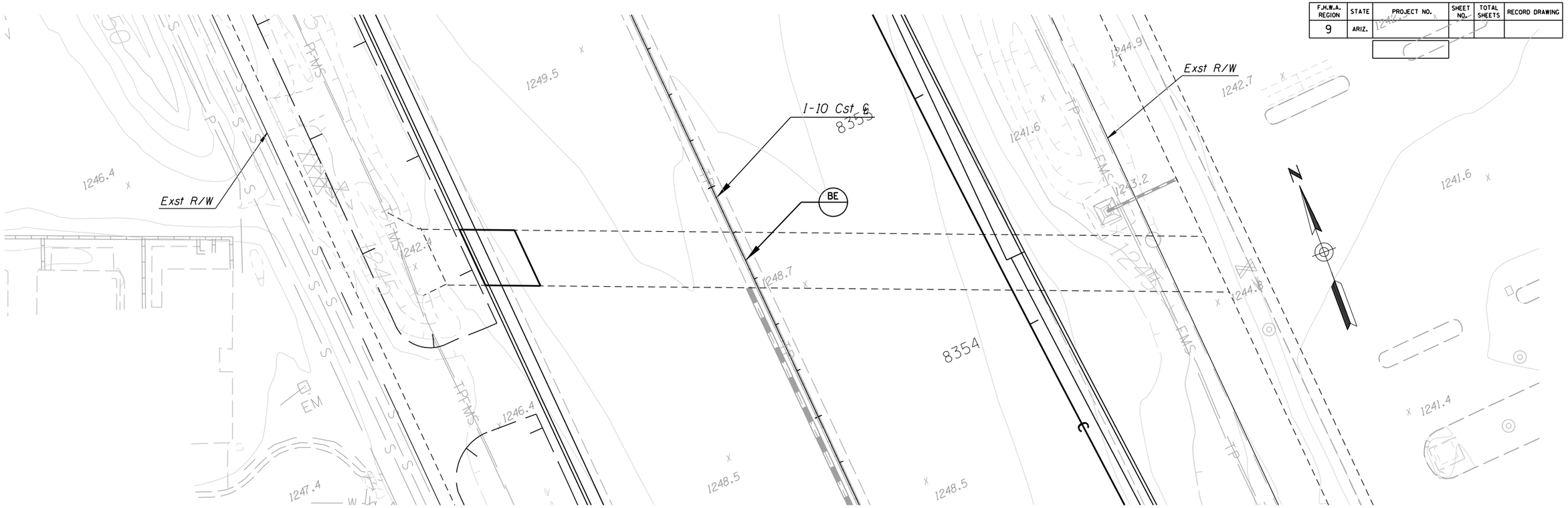

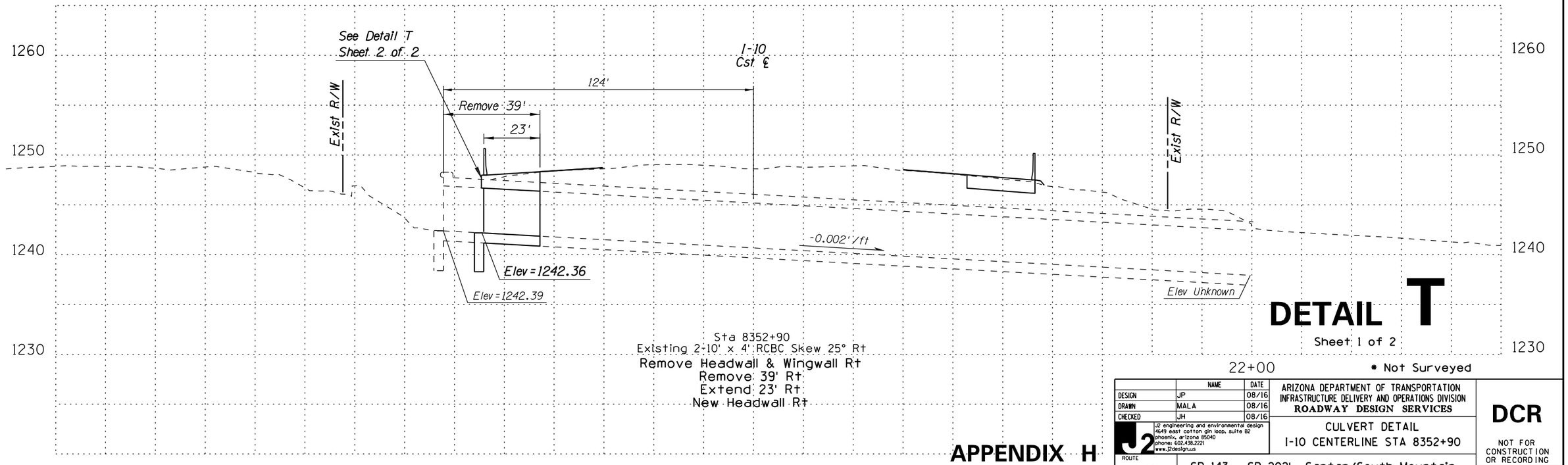

Sta 8352+90
Existing 2-10' x 4' RCBC Skew 25° Rt
Remove Headwall & Wingwall Rt
Remove 39' Rt
Extend 23' Rt
New Headwall Rt

DETAIL T

Sheet 1 of 2

* Not Surveyed

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.j2designsus

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

CULVERT DETAIL
I-10 CENTERLINE STA 8352+90

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE		
I-10	SR 143 - SR 202L, Santan/South Mountain	DWG NO. D-2.25
TRACS NO. H876801L		25 OF 33

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

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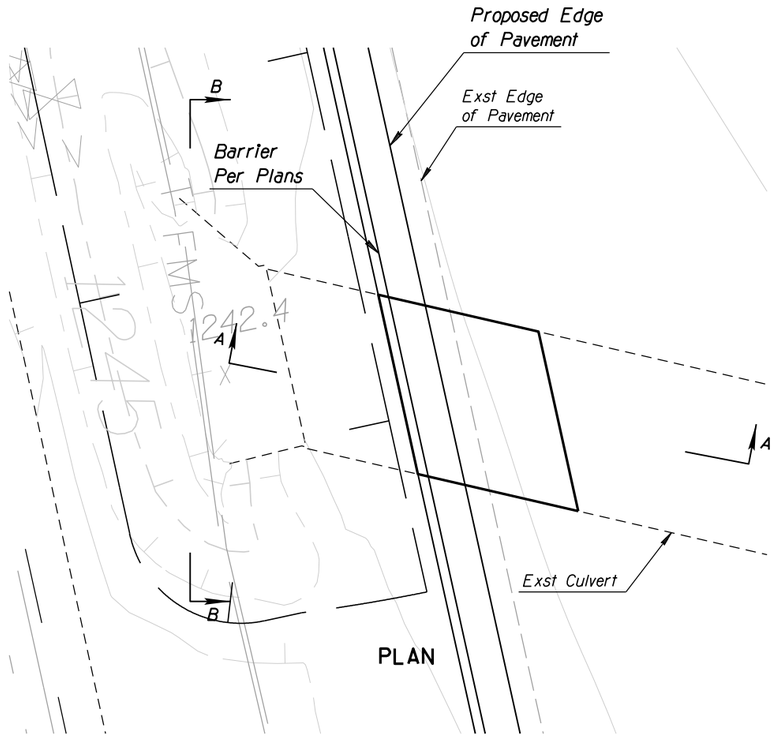
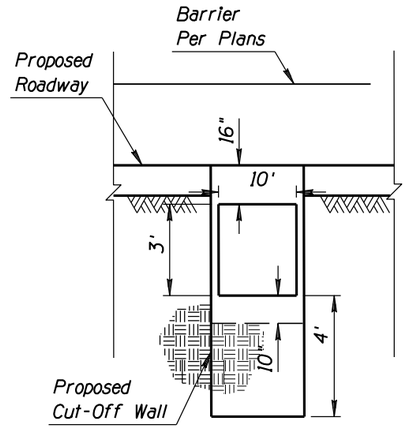


PLAN



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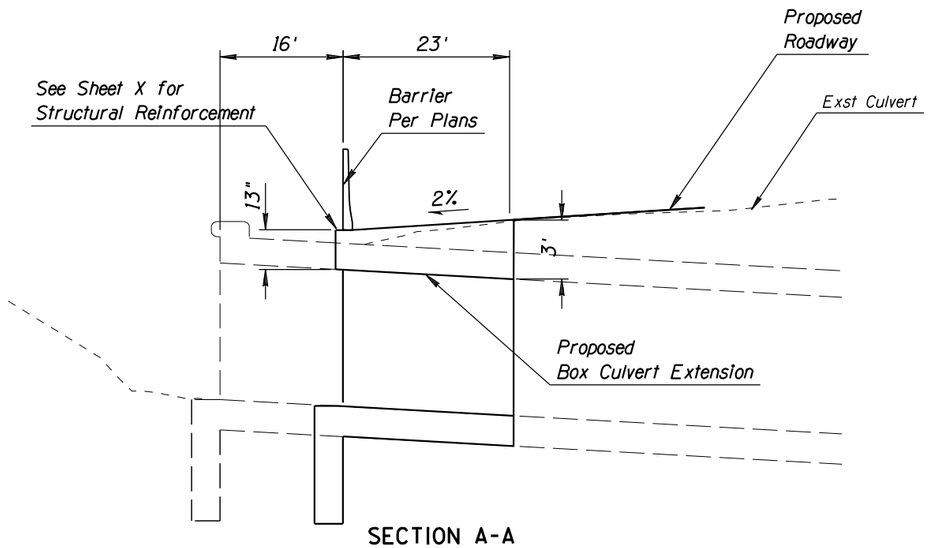

SECTION A-A

DETAIL T

Sheet 2 of 2

* Not Surveyed

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MALA	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.j2design.us

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

CULVERT DETAIL
I-10 CENTERLINE STA 8352+90

ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

TRACS NO. H876801L

DCR

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DWG NO. D-2.26

26 OF 33

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

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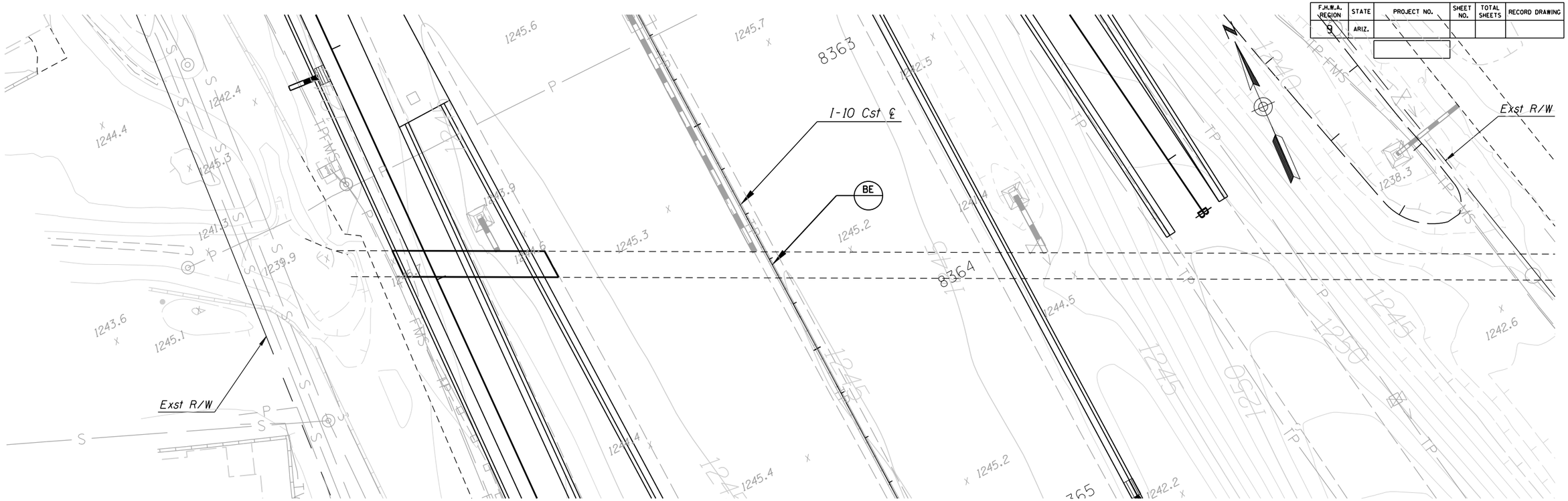
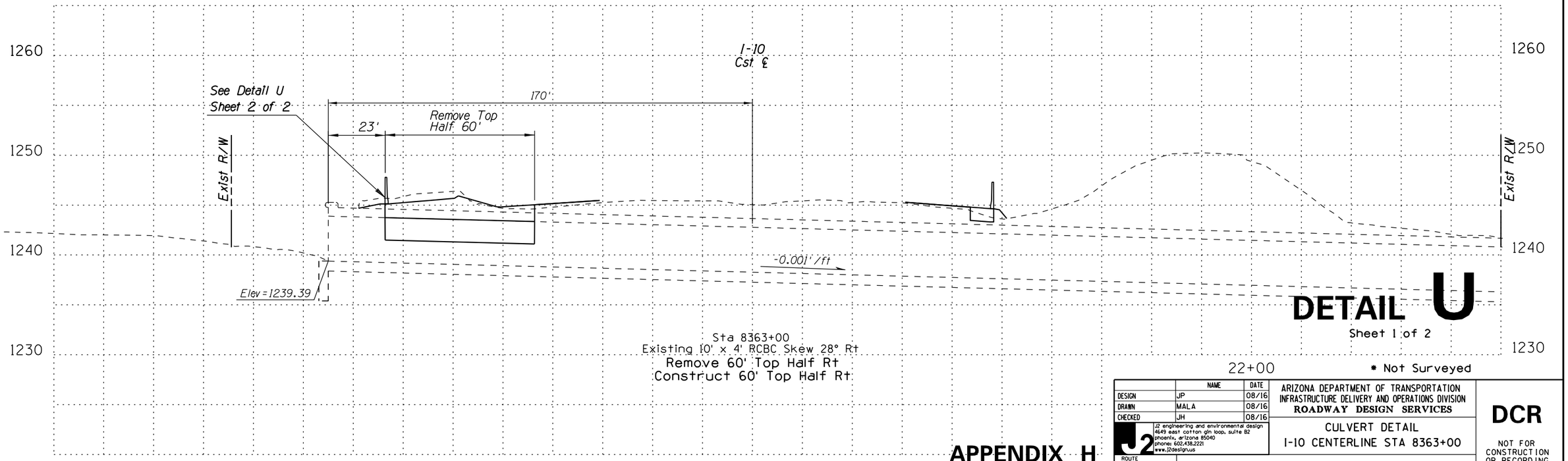
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

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





DETAIL U

Sheet 1 of 2

* Not Surveyed

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.J2designs.us

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

CULVERT DETAIL
I-10 CENTERLINE STA 8363+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE: I-10
SR 143 - SR 202L, Santan/South Mountain

DWG NO. D-2.27

TRACS NO. H876801L

27 OF 33

APPENDIX H

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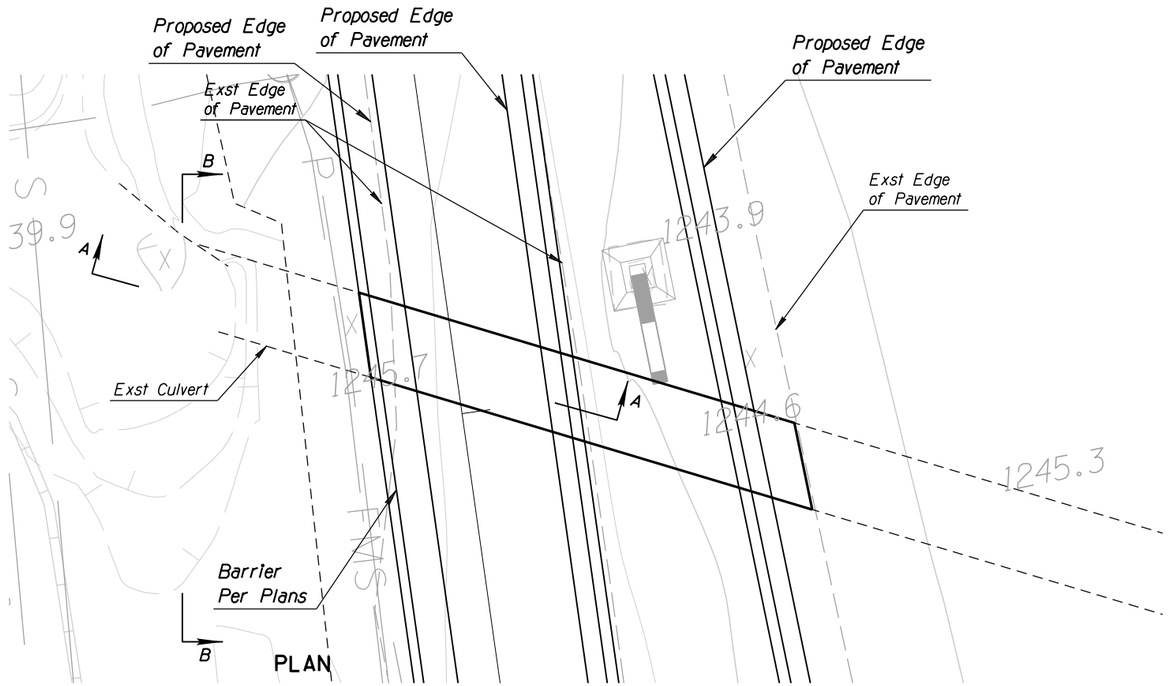

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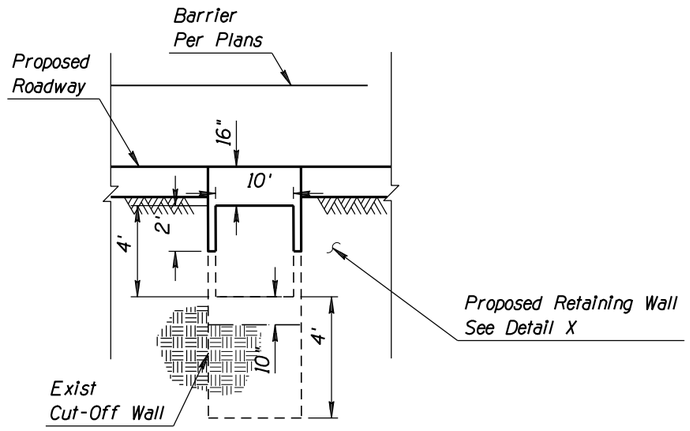

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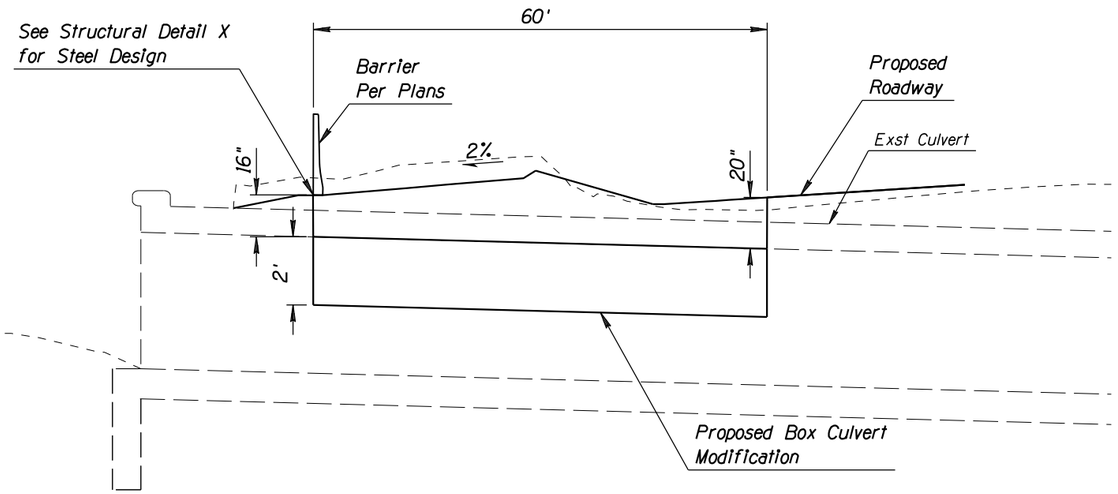

SECTION A-A

DETAIL U

Sheet 2 of 2

* Not Surveyed

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.j2designuus

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

CULVERT DETAIL
I-10 CENTERLINE STA 8363+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

DWG NO. D-2.28

TRACS NO. H876801L

28 OF 33

APPENDIX H

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

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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
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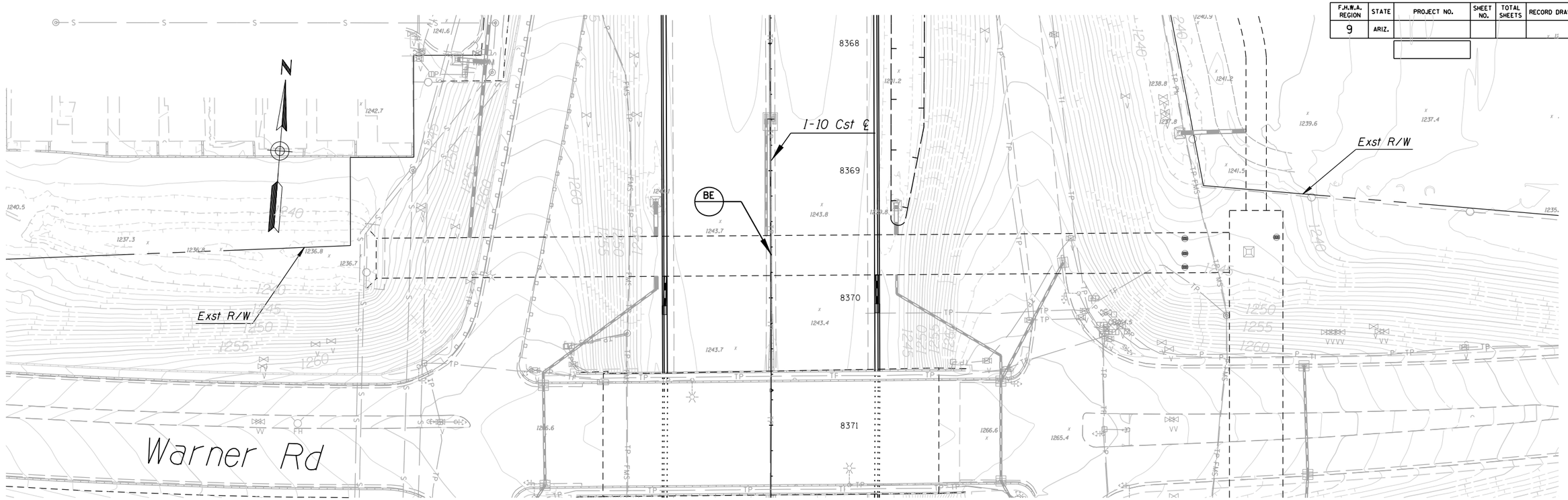
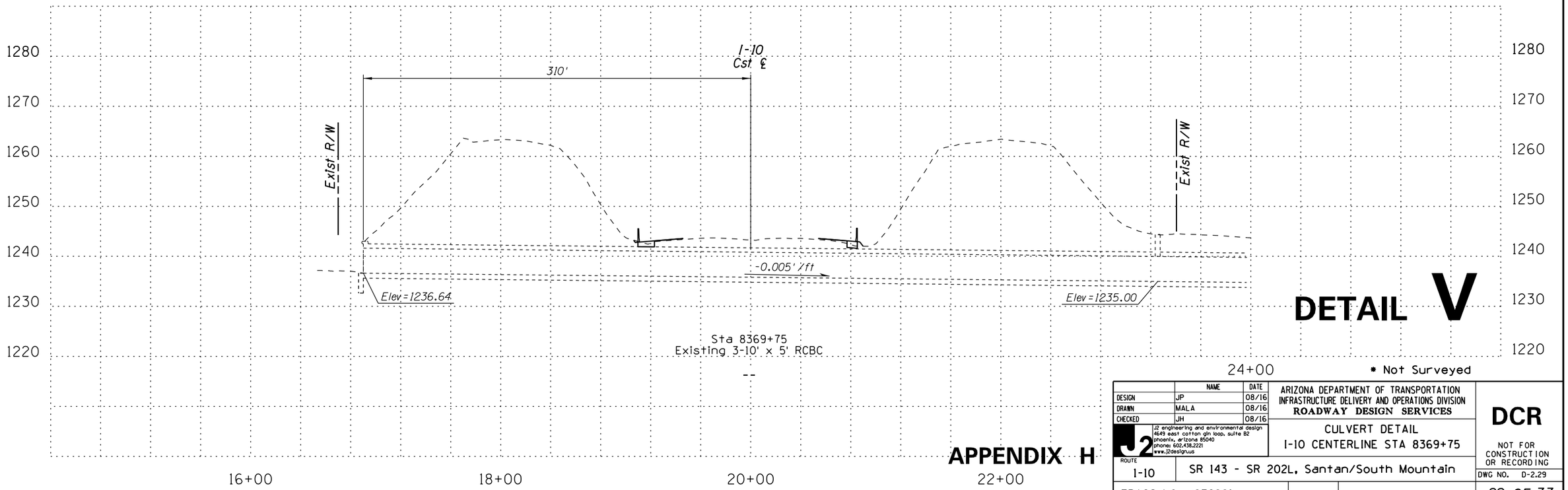
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-





DETAIL V

* Not Surveyed

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.J2designs.us

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

CULVERT DETAIL
I-10 CENTERLINE STA 8369+75

DCR

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ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

DWG NO. D-2.29

TRACS NO. H876801L

29 OF 33

APPENDIX H

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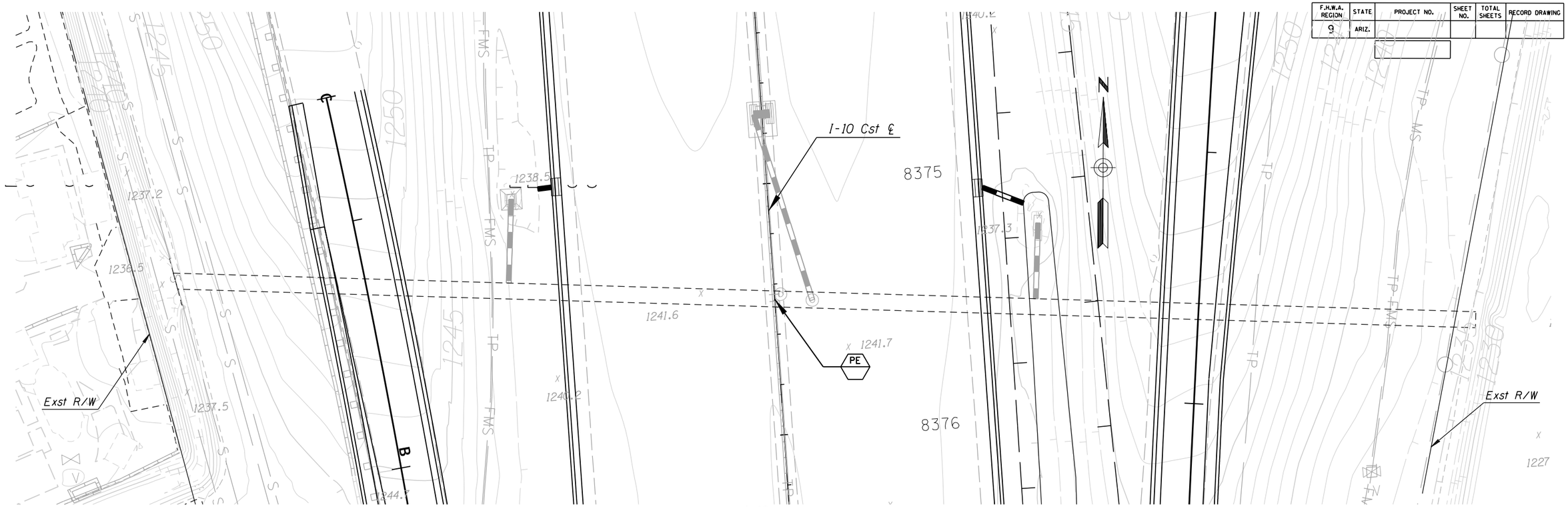
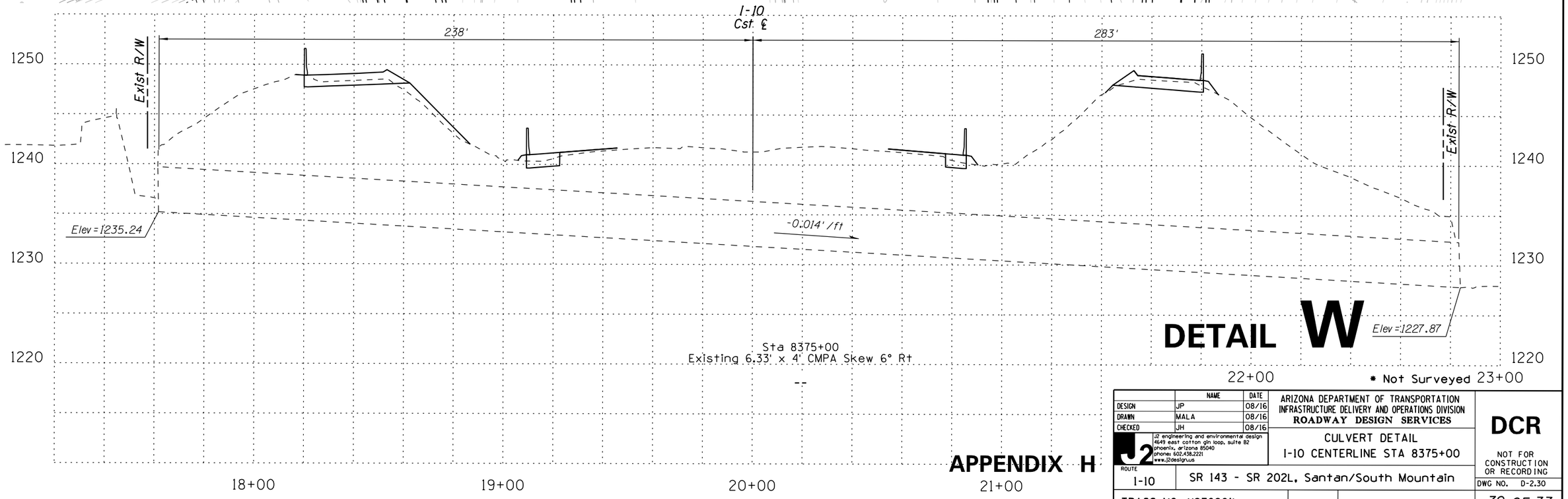
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-





Sta 8375+00
Existing 6.33' x 4' CMPA Skew 6° Rt

--

DETAIL W

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MALA	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.j2designs.us

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

CULVERT DETAIL
I-10 CENTERLINE STA 8375+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE 1-10 | SR 143 - SR 202L, Santan/South Mountain

DWG NO. D-2.30

TRACS NO. H876801L

30 OF 33

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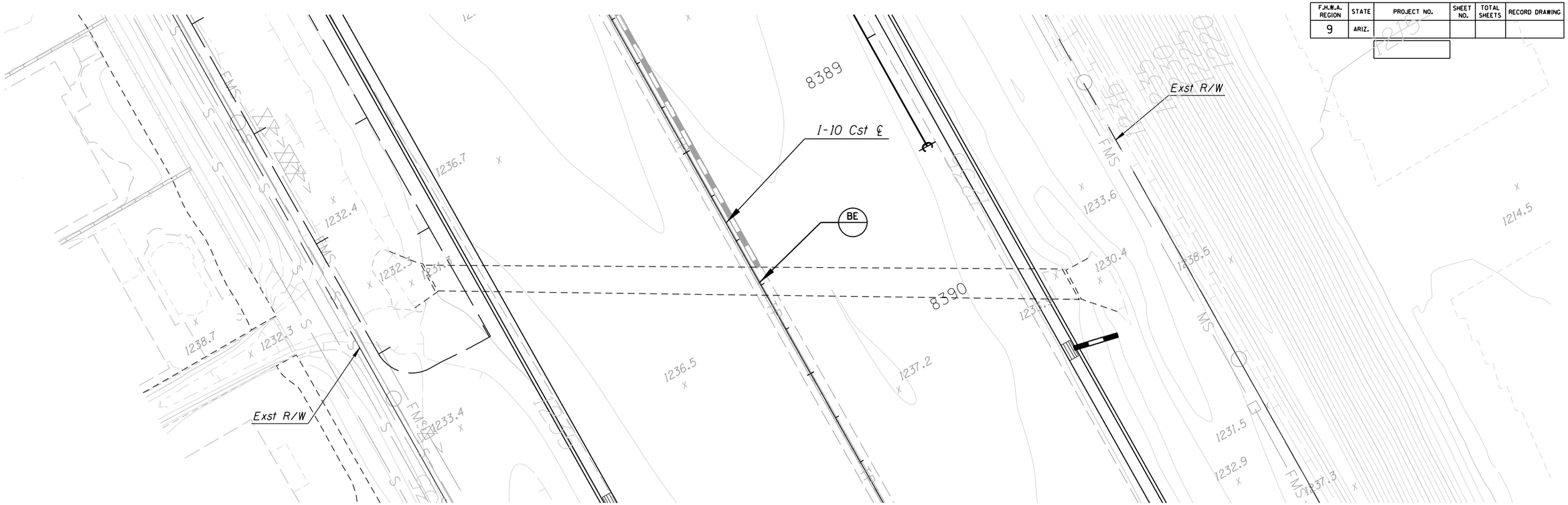

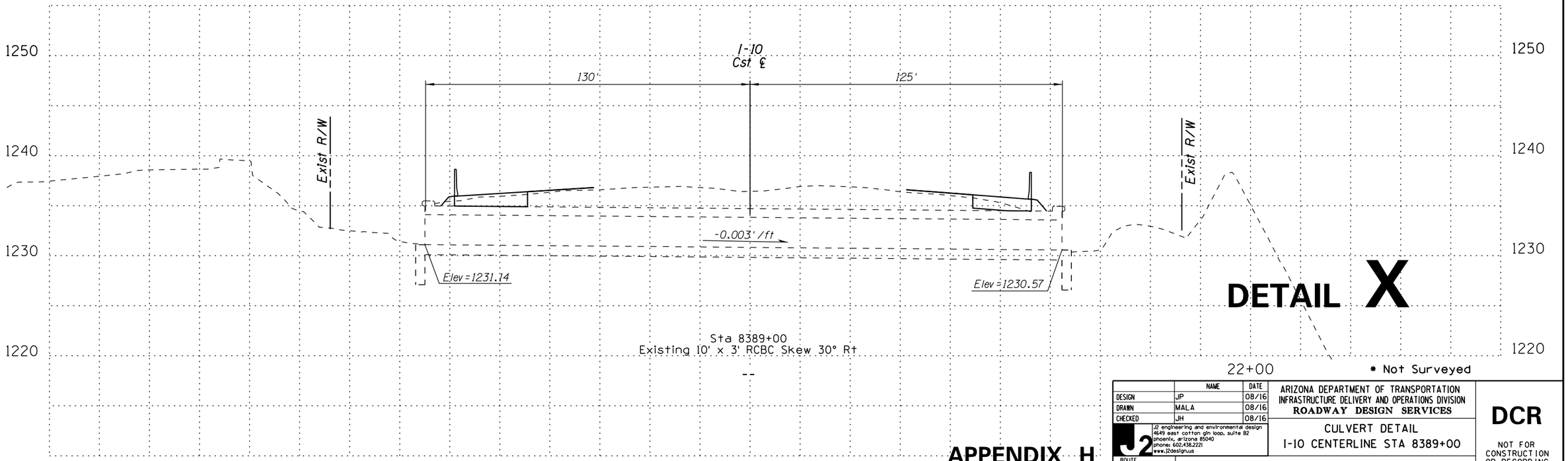

DETAIL X

* Not Surveyed

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.J2designs.us

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

CULVERT DETAIL
I-10 CENTERLINE STA 8389+00

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE		
I-10	SR 143 - SR 202L, Santan/South Mountain	DWG NO. D-2.31
TRACS NO. H876801L		31 OF 33

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

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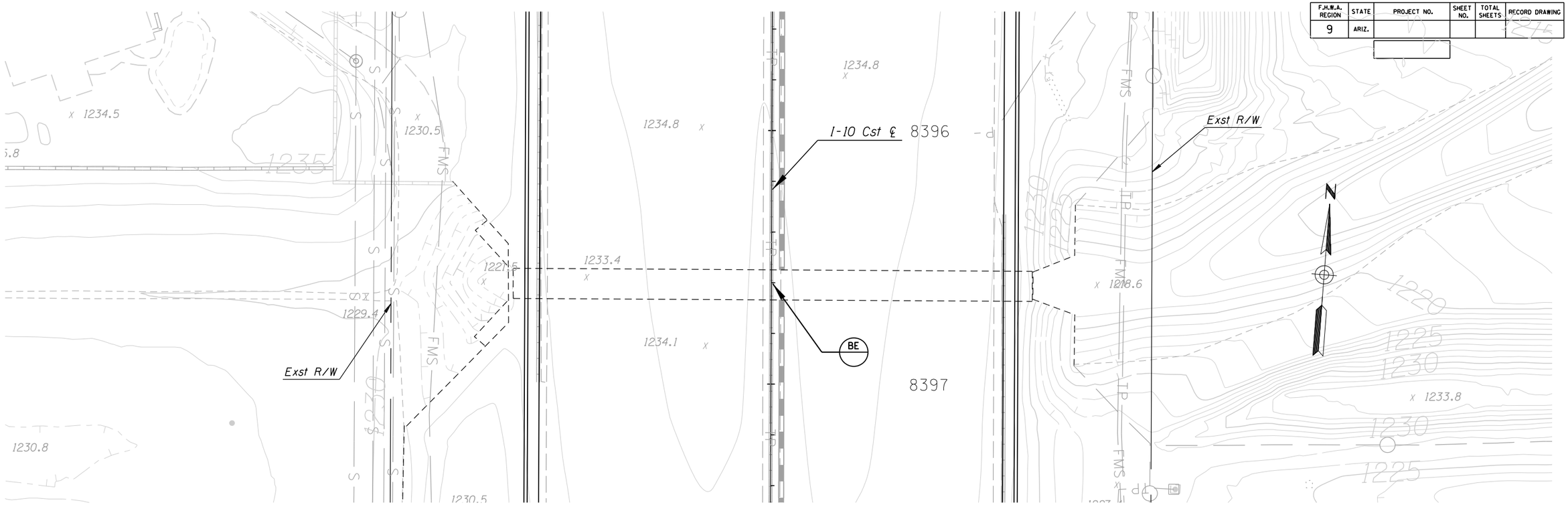
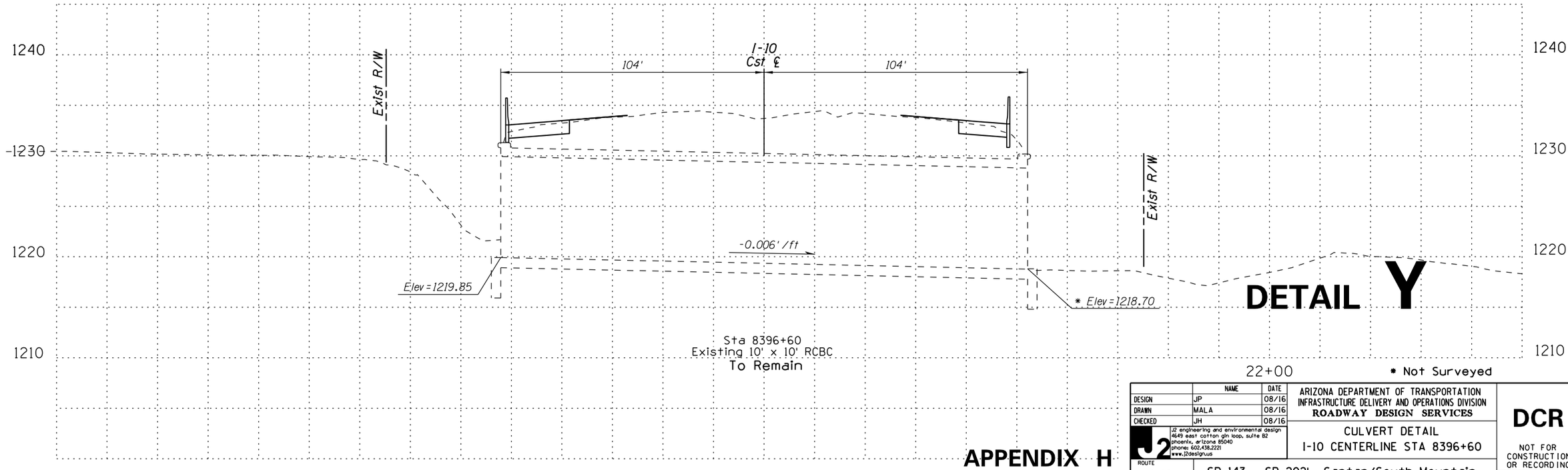
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

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





DETAIL Y

* Not Surveyed

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MAL A	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phone: 602.438.2221
www.J2designs.us

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

CULVERT DETAIL
I-10 CENTERLINE STA 8396+60

DCR

NOT FOR CONSTRUCTION OR RECORDING

ROUTE I-10 | SR 143 - SR 202L, Santan/South Mountain

DWG NO. D-2.32

TRACS NO. H876801L

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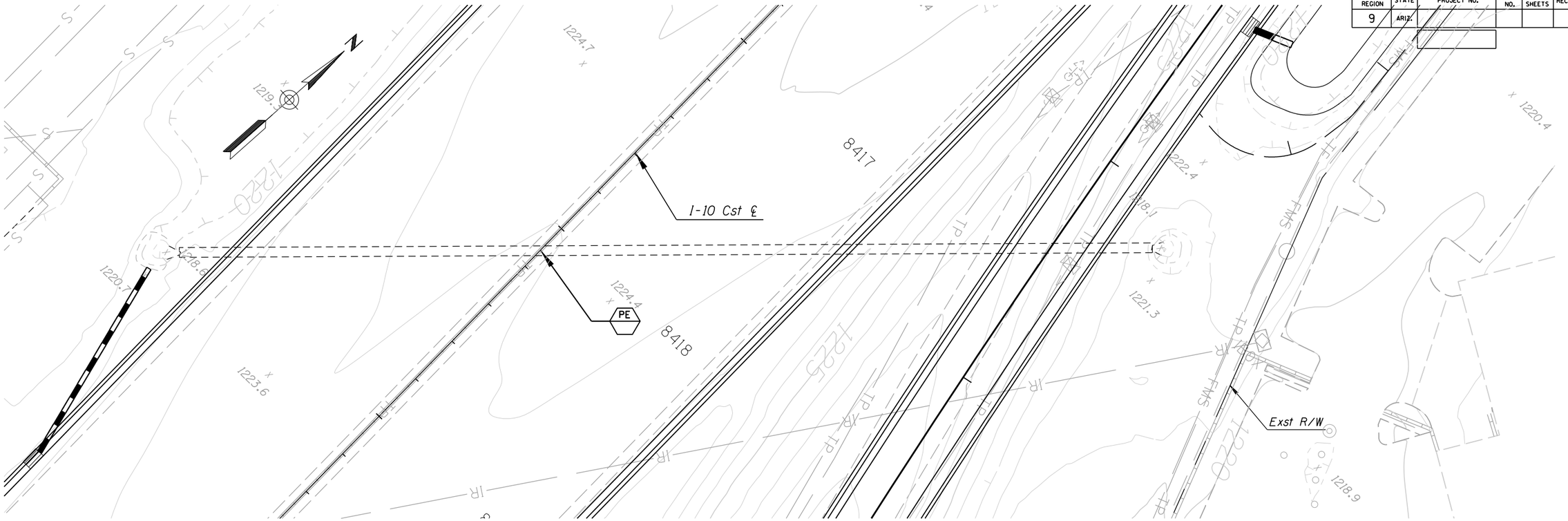
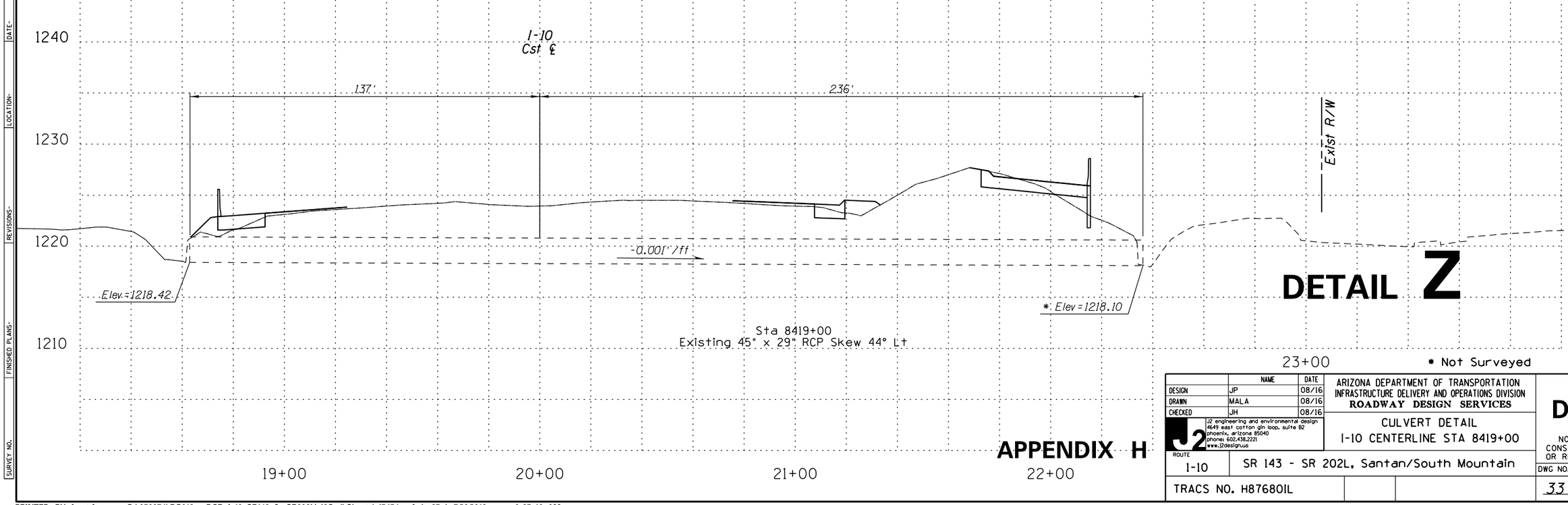
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

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





DETAIL Z

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	MALA	08/16
CHECKED	JH	08/16

J2 engineering and environmental design
4649 east cotton gin loop, suite B2
phoenix, arizona 85040
phones: 602.438.2221
www.j2designs.us

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

CULVERT DETAIL
I-10 CENTERLINE STA 8419+00

DCR

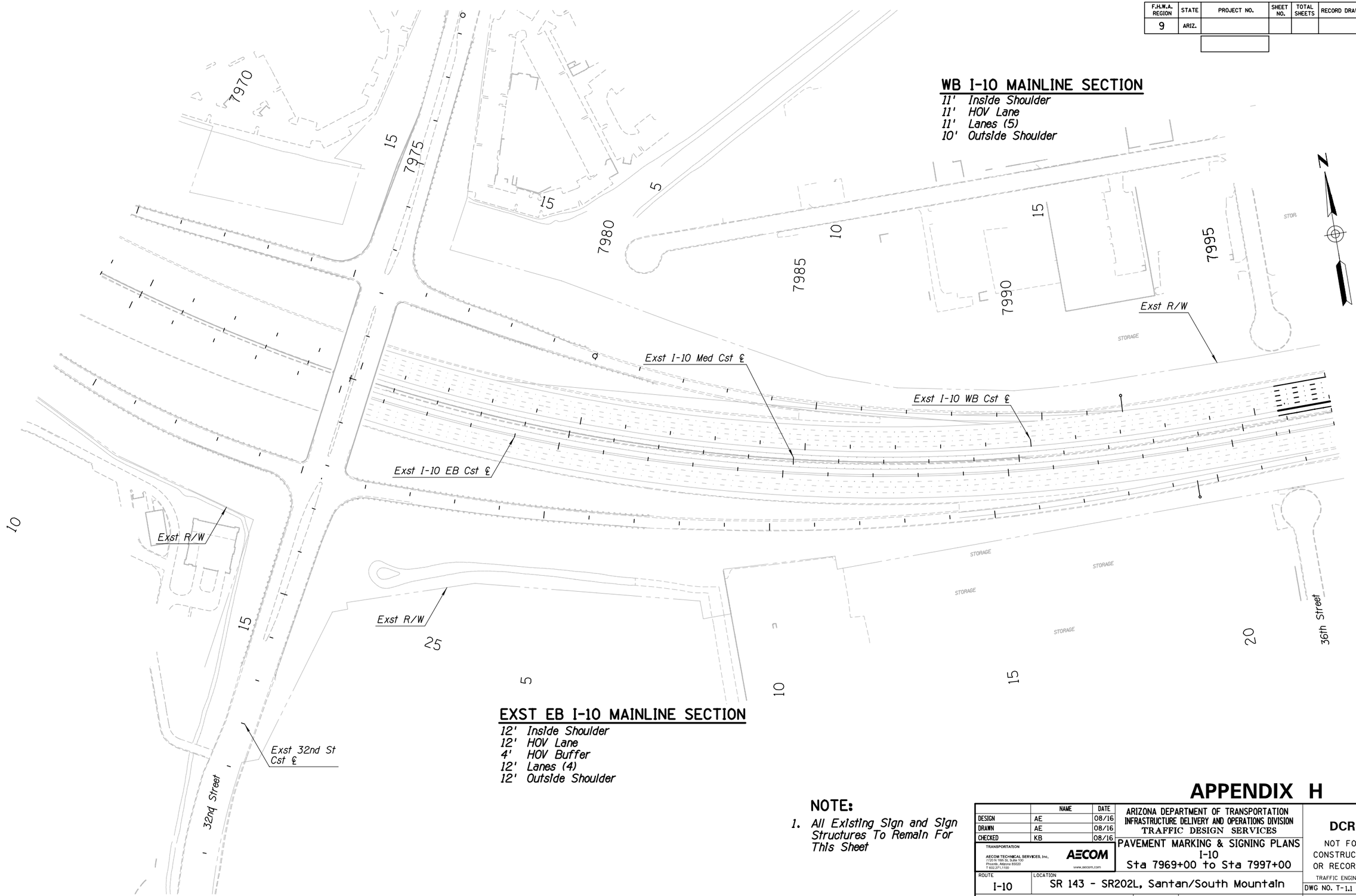
NOT FOR CONSTRUCTION OR RECORDING

ROUTE		
I-10	SR 143 - SR 202L, Santan/South Mountain	DWG NO. D-2.33
TRACS NO. H876801L		33 OF 33

PRINTED BY: jwotring P:\050074\BG012 – DCR I–10 SR143 & SR202L\J2Cad\Sheets\d5454prof–drn25.dgn 7/29/2016 9:25:40 AM -.

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

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			



WB I-10 MAINLINE SECTION

11' Inside Shoulder
11' HOV Lane
11' Lanes (5)
10' Outside Shoulder

EXST EB I-10 MAINLINE SECTION

12' Inside Shoulder
12' HOV Lane
4' HOV Buffer
12' Lanes (4)
12' Outside Shoulder

NOTE:

1. *All Existing Sign and Sign Structures To Remain For This Sheet*

APPENDIX H

	NAME	DATE
DESIGN	AE	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

TRANSPORTATION
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T 602.371.1100
AECOM
www.aecom.com

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
I-10
Sta 7969+00 to Sta 7997+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR202L, Santan/South Mountain	T-1.1

TRACS NO. H8768 01L

____ OF ____

8/5/2016 U:\I10-02(Spot)\Prod\tra\t8768p01.dgn

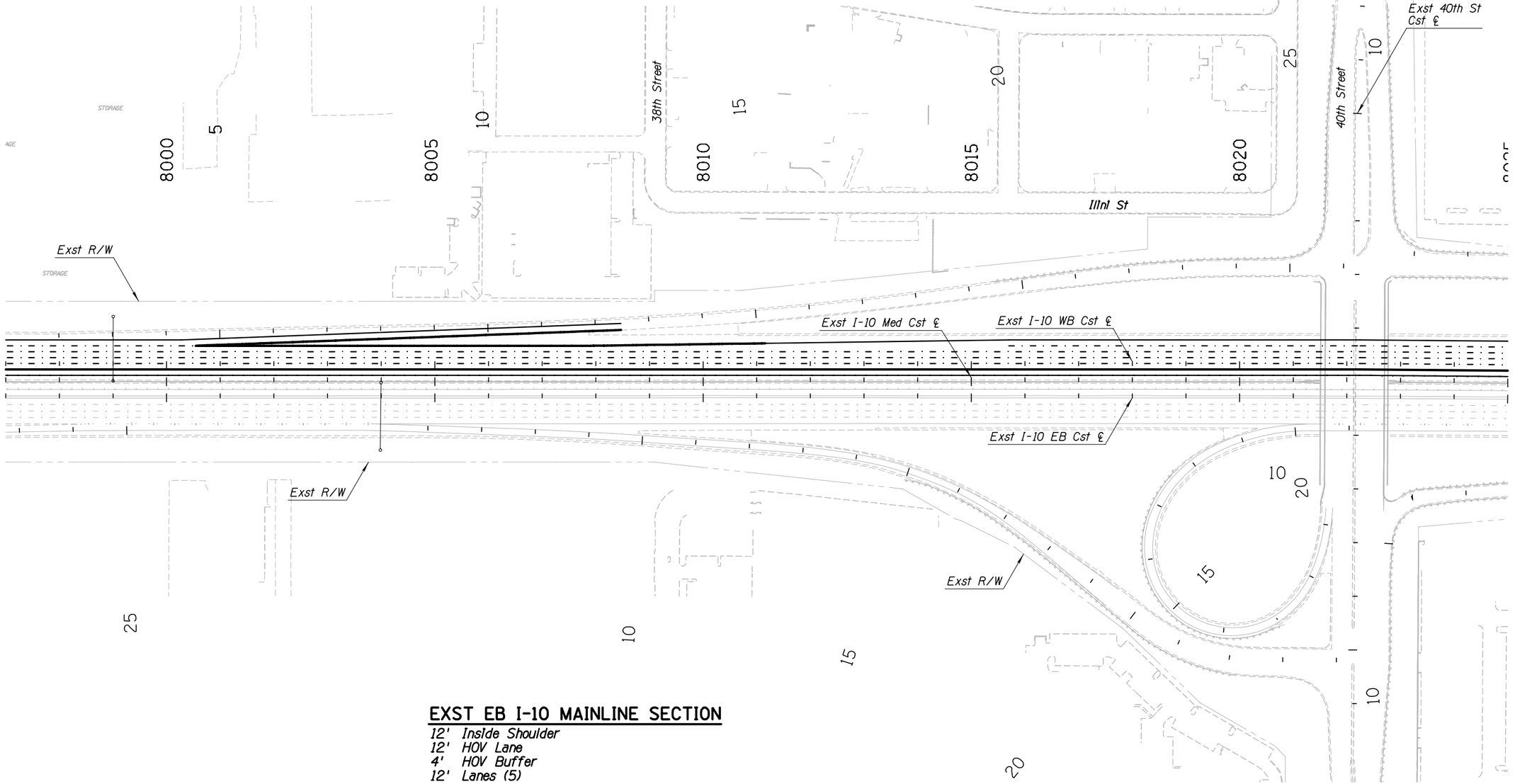
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

WB I-10 MAINLINE SECTION

11' Inside Shoulder
11' HOV Lane
11' Lanes (4)
10' Outside Shoulder

WB I-10 MAINLINE SECTION

11' Inside Shoulder
11' HOV Lane
11' Lanes (5)
10' Outside Shoulder



EXST EB I-10 MAINLINE SECTION

12' Inside Shoulder
12' HOV Lane
4' HOV Buffer
12' Lanes (5)
12' Outside Shoulder

NOTE:

1. *All Existing Sign and Sign Structures To Remain For This Sheet*

APPENDIX H

	NAME	DATE
DESIGN	AE	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
I-10
Sta 7997+00 to Sta 8025+00

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.2
___ OF ___

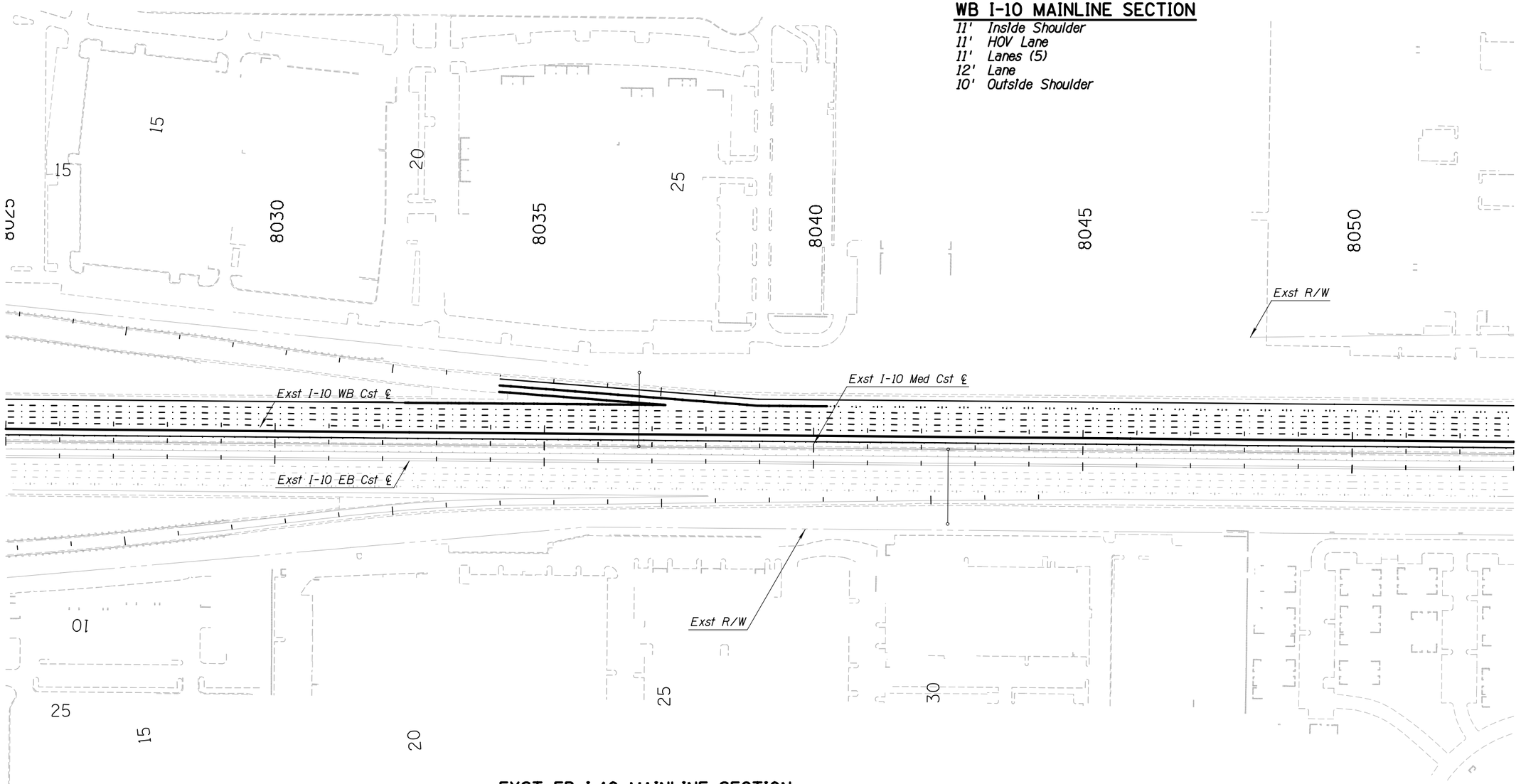
NO.1 DESCRIPTION OF REVISION MADE BY DATE
NO.2 DESCRIPTION OF REVISION MADE BY DATE

8/5/2016 U:\I10-02(Spot)\Prod\tra\t8768p02.dgn

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

WB I-10 MAINLINE SECTION

11' Inside Shoulder
11' HOV Lane
11' Lanes (5)
12' Lane
10' Outside Shoulder



EXST EB I-10 MAINLINE SECTION

12' Inside Shoulder
12' HOV Lane
4' HOV Buffer
12' Lanes (5)
12' Outside Shoulder

NOTE:

1. *All Existing Sign and Sign Structures To Remain For This Sheet*

APPENDIX H

	NAME	DATE
DESIGN	AE	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

TRANSPORTATION
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
I-10
Sta 8025+00 to Sta 8053+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO. T-1.3
I-10	SR 143 - SR202L, Santan/South Mountain	
TRACS NO. H8768 01L		___ OF ___

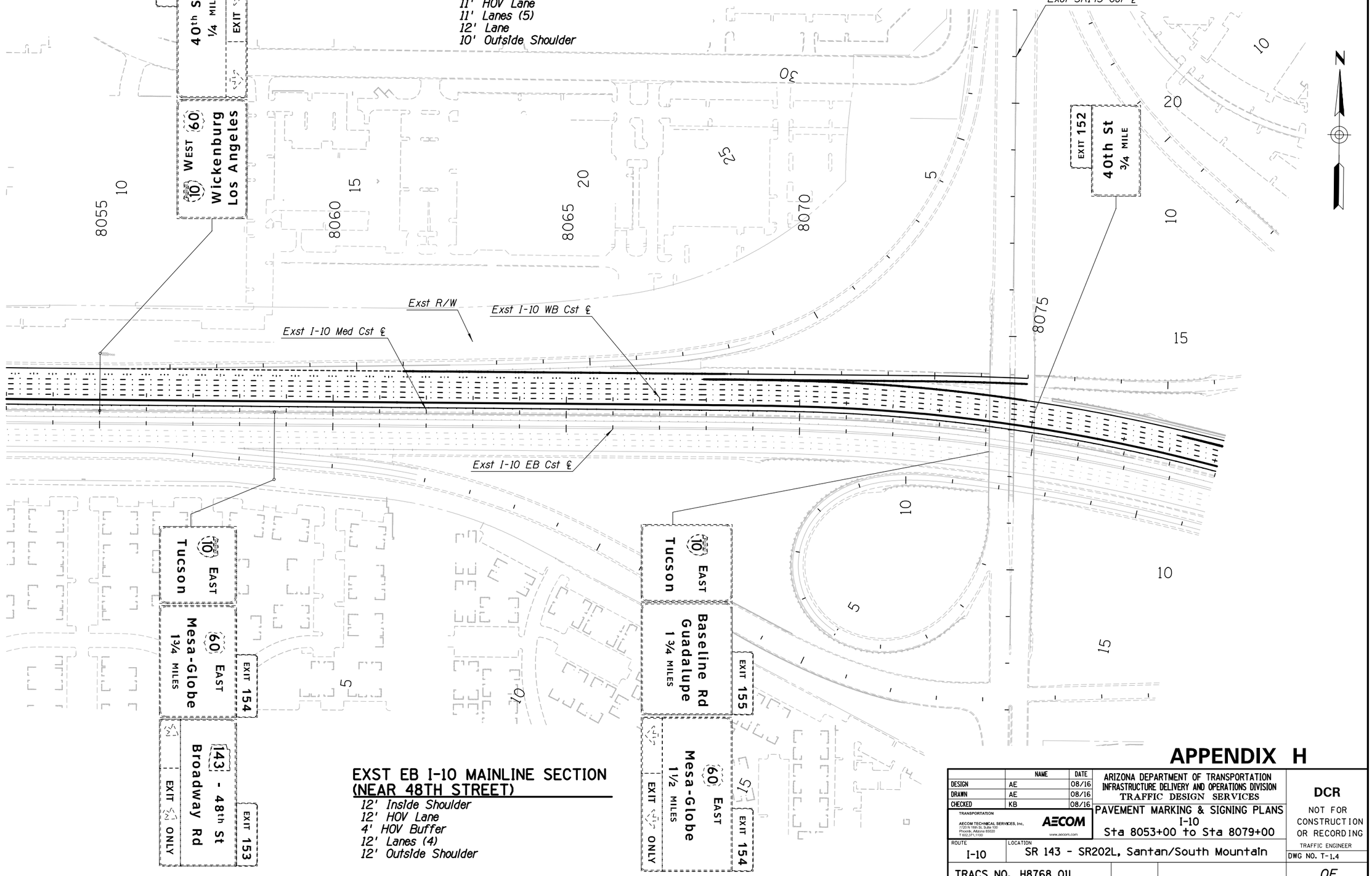
NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

8/5/2016 U:\110-02(Spot)\Prod\tra\t8768p03.dgn

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

NEW WB I-10 MAINLINE SECTION
(At Sta. 8068+00)

11' Inside Shoulder
11' HOV Lane
11' Lanes (5)
12' Lane
10' Outside Shoulder



EXST EB I-10 MAINLINE SECTION
(NEAR 48TH STREET)

12' Inside Shoulder
12' HOV Lane
4' HOV Buffer
12' Lanes (4)
12' Outside Shoulder

APPENDIX H

	NAME	DATE
DESIGN	AE	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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ARIZONA DEPARTMENT OF TRANSPORTATION
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TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
I-10
Sta 8053+00 to Sta 8079+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO. T-1.4
I-10	SR 143 - SR202L, Santan/South Mountain	
TRACS NO. H8768 01L		___ OF ___

NO.1 DESCRIPTION OF REVISION DATE MADE BY DATE

8/5/2016 U:\110-02\Spot\Prod\tra\t8768p04.dgn

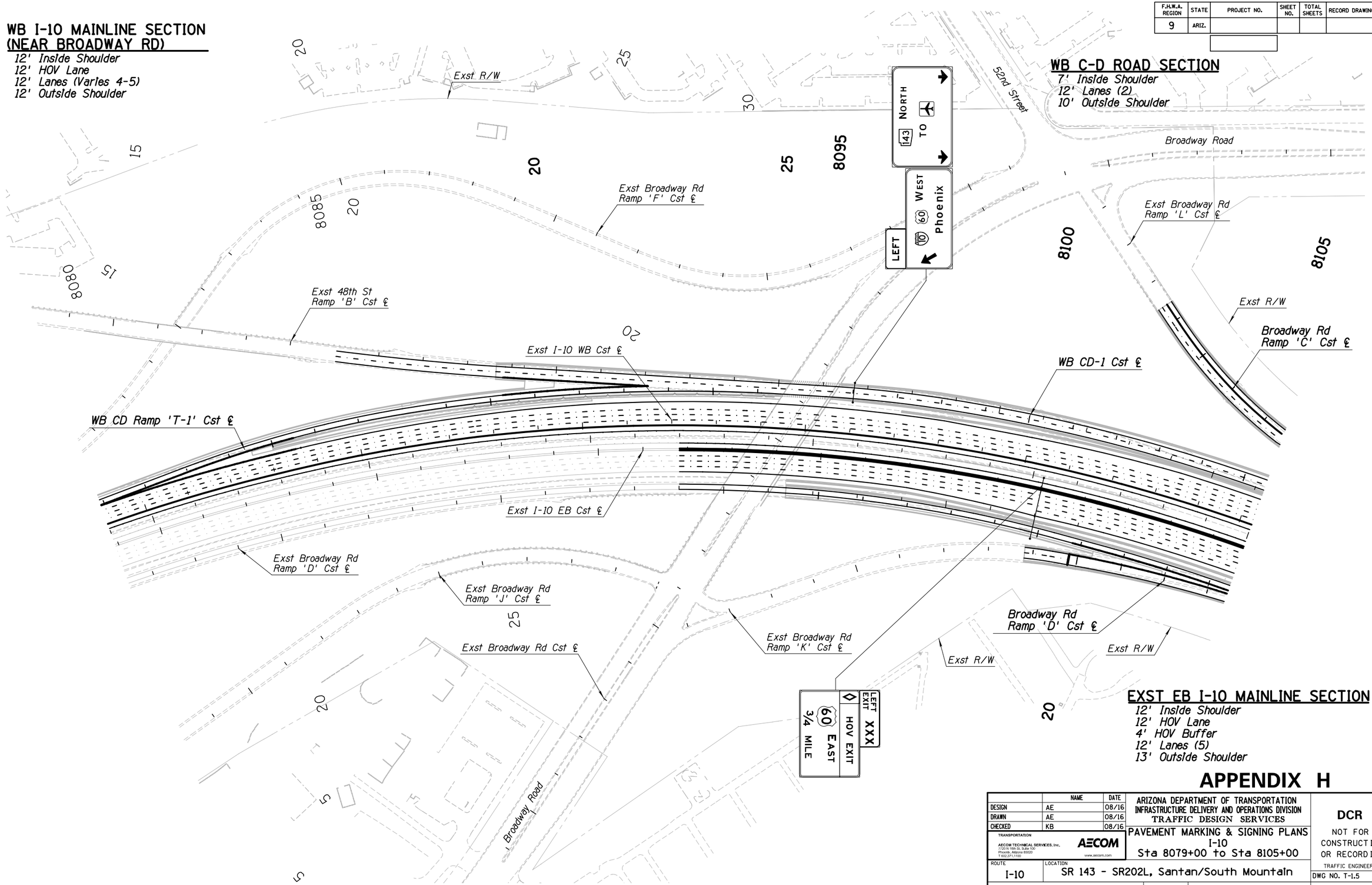
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

WB I-10 MAINLINE SECTION (NEAR BROADWAY RD)

12' Inside Shoulder
12' HOV Lane
12' Lanes (Varies 4-5)
12' Outside Shoulder

WB C-D ROAD SECTION

7' Inside Shoulder
12' Lanes (2)
10' Outside Shoulder



EXST EB I-10 MAINLINE SECTION

12' Inside Shoulder
12' HOV Lane
4' HOV Buffer
12' Lanes (5)
13' Outside Shoulder

APPENDIX H

	NAME	DATE
DESIGN	AE	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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PAVEMENT MARKING & SIGNING PLANS
I-10
Sta 8079+00 to Sta 8105+00

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.5
___ OF ___

NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

8/5/2016 U:\I10-02(Spot)\Prod\tra\t8768p05.dgn

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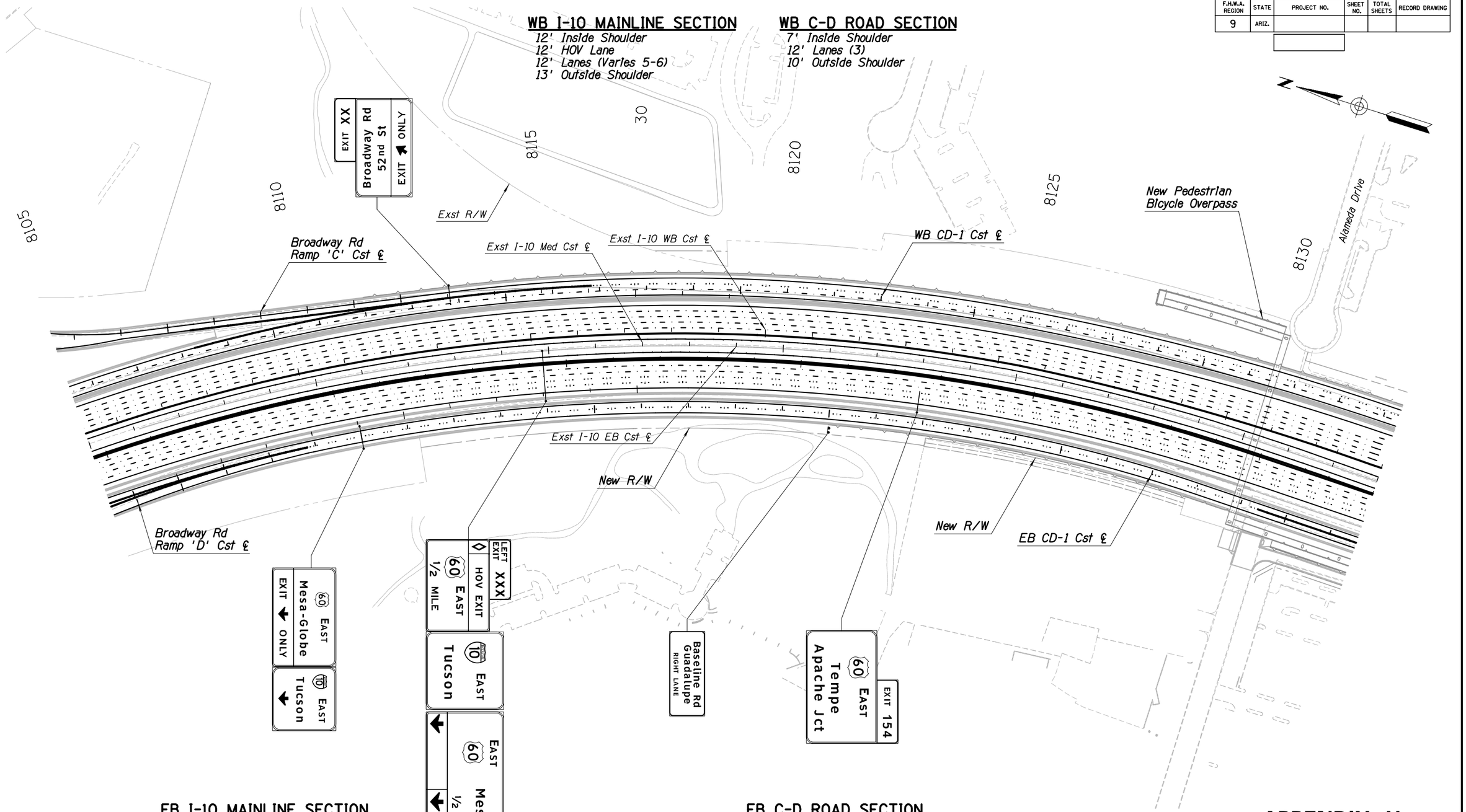

APPENDIX H

	NAME	DATE
DESIGN	AE	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
I-10
Sta 8105+00 to Sta 8133+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain
DWG NO. T-1.6
TRACS NO. H8768 01L
___ OF ___

NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

8/5/2016 U:\I10-02(Spot)\Prod\tra\t8768p06.dgn

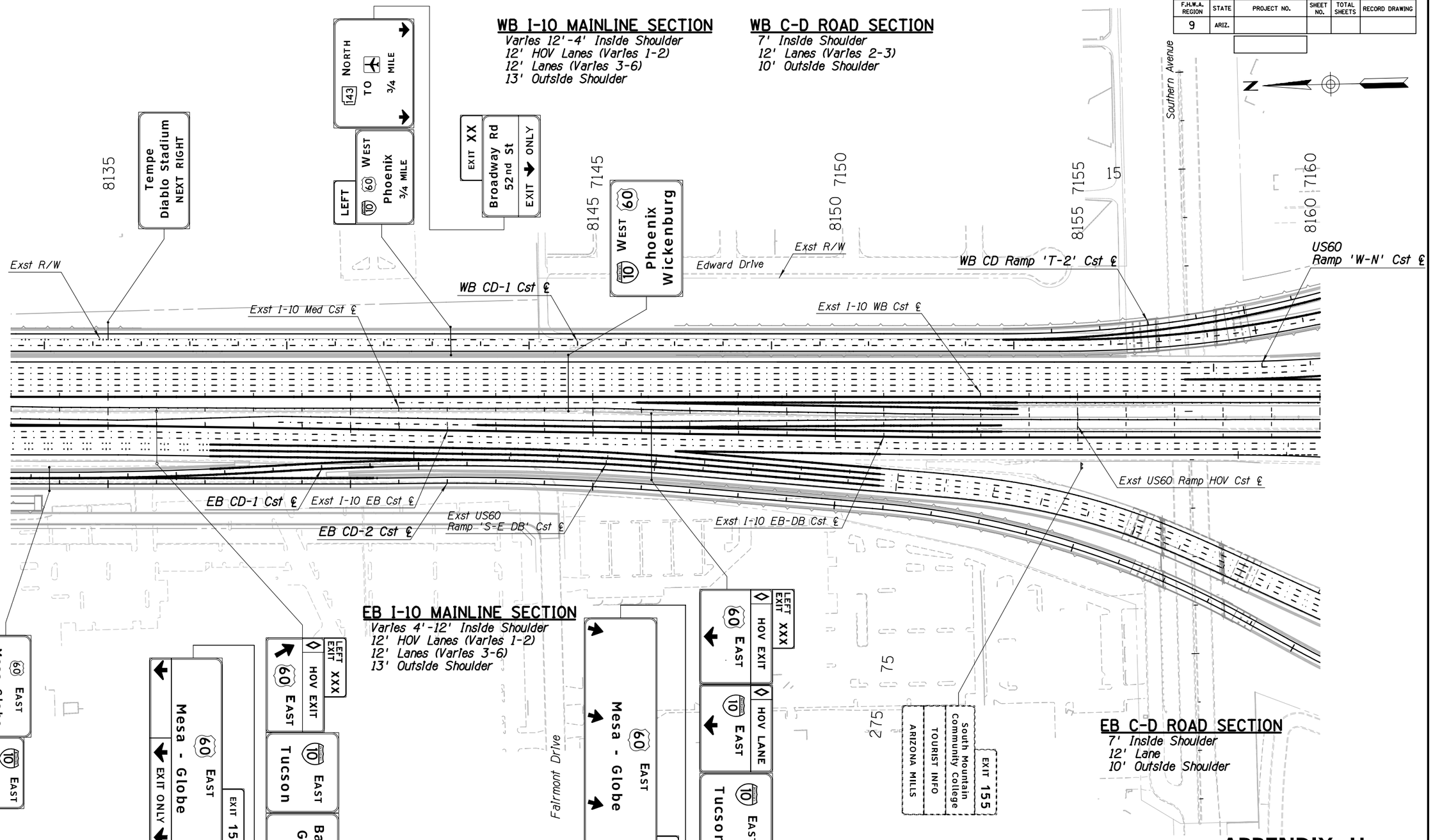
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

WB I-10 MAINLINE SECTION

Varies 12'-4' Inside Shoulder
12' HOV Lanes (Varies 1-2)
12' Lanes (Varies 3-6)
13' Outside Shoulder

WB C-D ROAD SECTION

7' Inside Shoulder
12' Lanes (Varies 2-3)
10' Outside Shoulder



EB I-10 MAINLINE SECTION

Varies 4'-12' Inside Shoulder
12' HOV Lanes (Varies 1-2)
12' Lanes (Varies 3-6)
13' Outside Shoulder

EB C-D ROAD SECTION

7' Inside Shoulder
12' Lane
10' Outside Shoulder

APPENDIX H

	NAME	DATE
DESIGN	AE	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
I-10
Sta 8133+00 to Sta 8160+00

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain

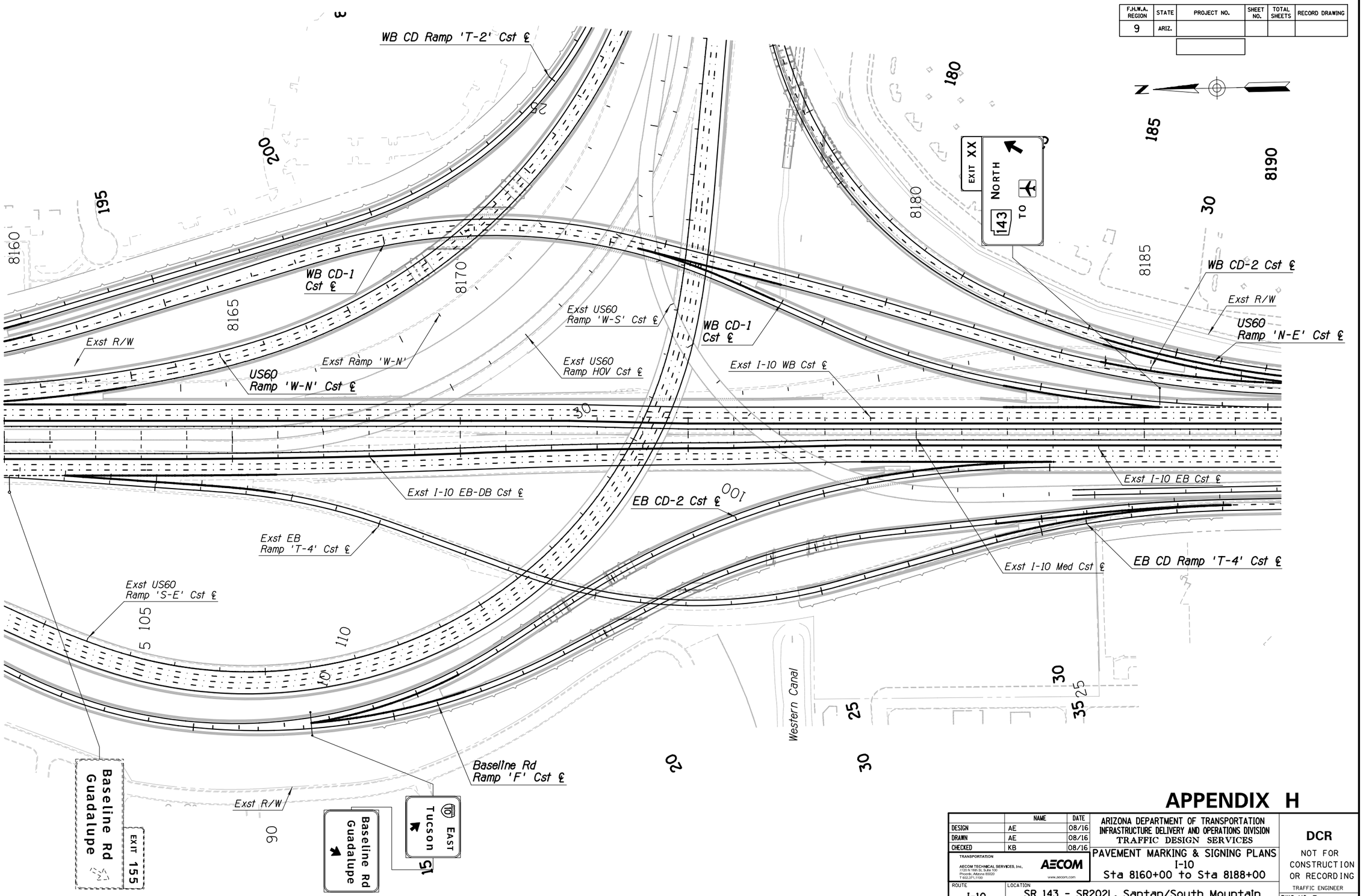
TRACS NO. H8768 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.7
___ OF ___

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			

8/5/2016 U:\I10-02(Spot)\Prod\tra\t8768p07.dgn

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



APPENDIX H

	NAME	DATE
DESIGN	AE	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

TRANSPORTATION
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Phoenix, Arizona 85020
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
I-10
Sta 8160+00 to Sta 8188+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain
DWG NO. T-1.8
TRACS NO. H8768 01L
___ OF ___

8/5/2016 U:\I10-02(Spot)\Prod\tra\t8768p08.dgn

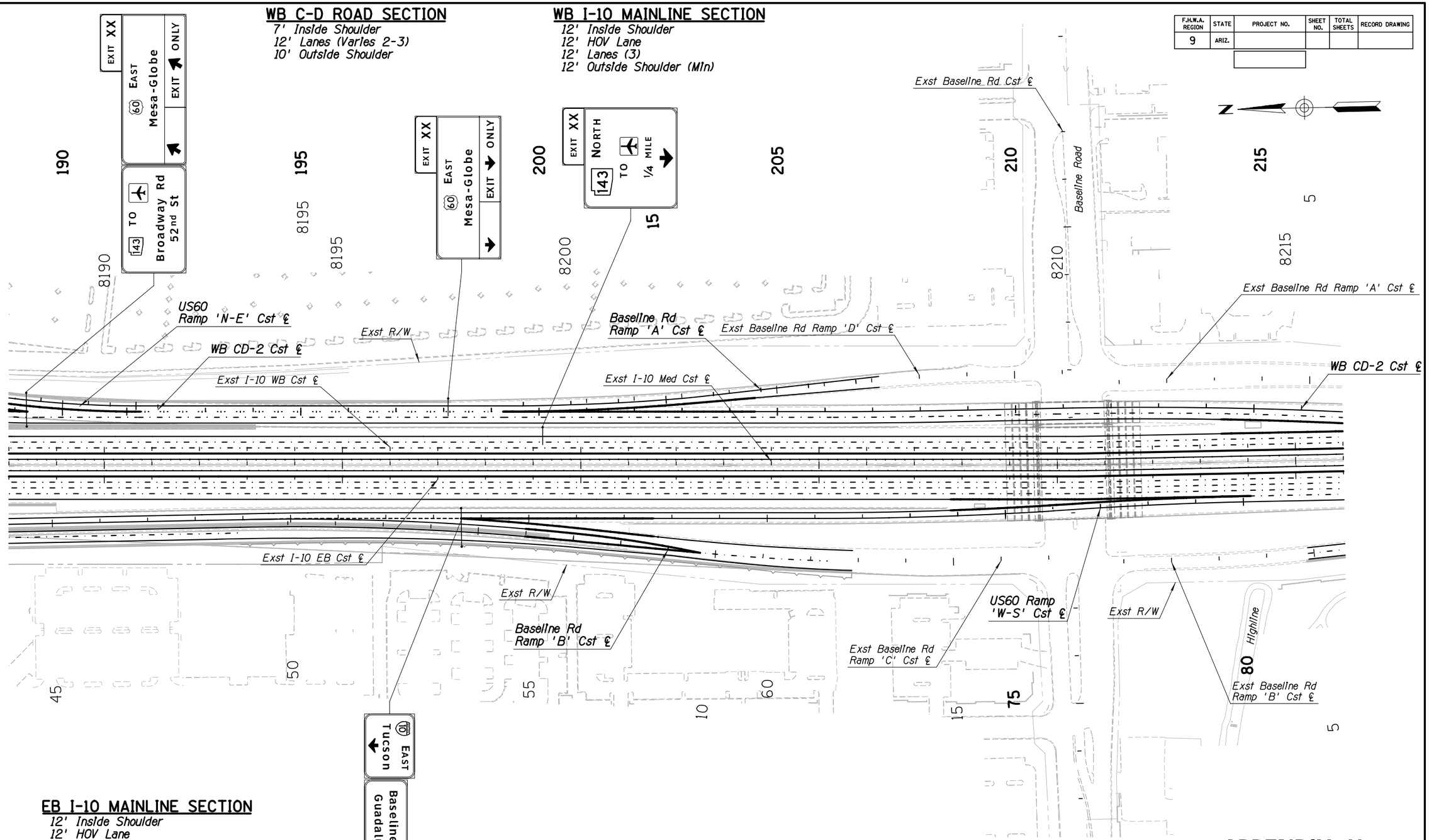
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

WB C-D ROAD SECTION

7' Inside Shoulder
12' Lanes (Varies 2-3)
10' Outside Shoulder

WB I-10 MAINLINE SECTION

12' Inside Shoulder
12' HOV Lane
12' Lanes (3)
12' Outside Shoulder (Min)



EB I-10 MAINLINE SECTION

12' Inside Shoulder
12' HOV Lane
12' Lanes (4)
12' Outside Shoulder (Min)

APPENDIX H

	NAME	DATE
DESIGN	AE	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
I-10
Sta 8188+00 to Sta 8216+00

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.9
___ OF ___

NO.1 DESCRIPTION OF REVISION | DATE | MADE BY
NO.2 DESCRIPTION OF REVISION | DATE | MADE BY

8/5/2016 U:\I10-02(Spot)\Prod\tra\t8768p09.dgn

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

EXIT XX
NORTH
143
TO
½ MILE

EXIT XX
WEST
60
10
Phoenix

EXIT 154
EAST
60
Mesa-Globe
Broadway Rd
EXIT ONLY

EXIT 154
EAST
60
Mesa-Globe
Broadway Rd
EXIT ONLY

EXIT XX
NORTH
143
TO
¾ MILE

EXIT 155
Baseline Rd
EXIT ONLY

EXIT 154
52nd St
Tempe
Diablo Stadium

Rental Car Return
USE
WEST
10

8220
8225
8230
8235
8240

Exst Baseline Rd
Ramp 'A' Cst ℄

WB CD-2 Cst ℄

Exst I-10 Med Cst ℄

Exst I-10 WB Cst ℄

Exst R/W

Exst I-10 EB Cst ℄

Baseline Rd
Ramp 'D' Cst ℄

Exst Logo Sign
To Be Relocated

Exst R/W

Exst Logo Sign
To Be Relocated

Exst Baseline Rd
Ramp 'B' Cst ℄

10
25
10

Elliot Rd XX
Warner Rd XX
Ray Rd XX

N

WB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (5)
12' Outside Shoulder

EB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (5)
12' Auxiliary Lane
12' Outside Shoulder

APPENDIX H

	NAME	DATE
DESIGN	AE	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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Phoenix, Arizona 85020
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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
I-10
Sta 8216+00 to Sta 8244+00

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.10
____ OF ____

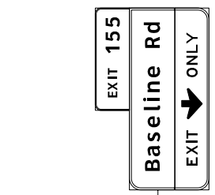
NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

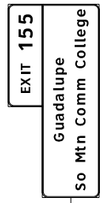
8/5/2016 U:\I10-02(Spot)\Prod\tra\t8768p10.dgn

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

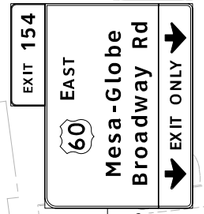
WB ROADWAY SECTION

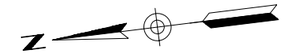
10.73' Inside Shoulder
12' HOV Lane
12' Lanes (5)
12' Outside Shoulder











8245 8250 8255 8260 8270

Guadalupe Rd

Exst R/W

Exst I-10 WB Cst ℄

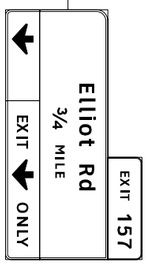
Exst I-10 Med Cst ℄

New Multi-Use Trail Bridge

Exst I-10 EB Cst ℄

Exst R/W

Exst Guadalupe Rd Cst ℄



EB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (5)
12' Auxiliary Lane
12' Outside Shoulder

APPENDIX H

	NAME	DATE
DESIGN	AE	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
I-10
Sta 8244+00 to Sta 8272+00

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.11
___ OF ___

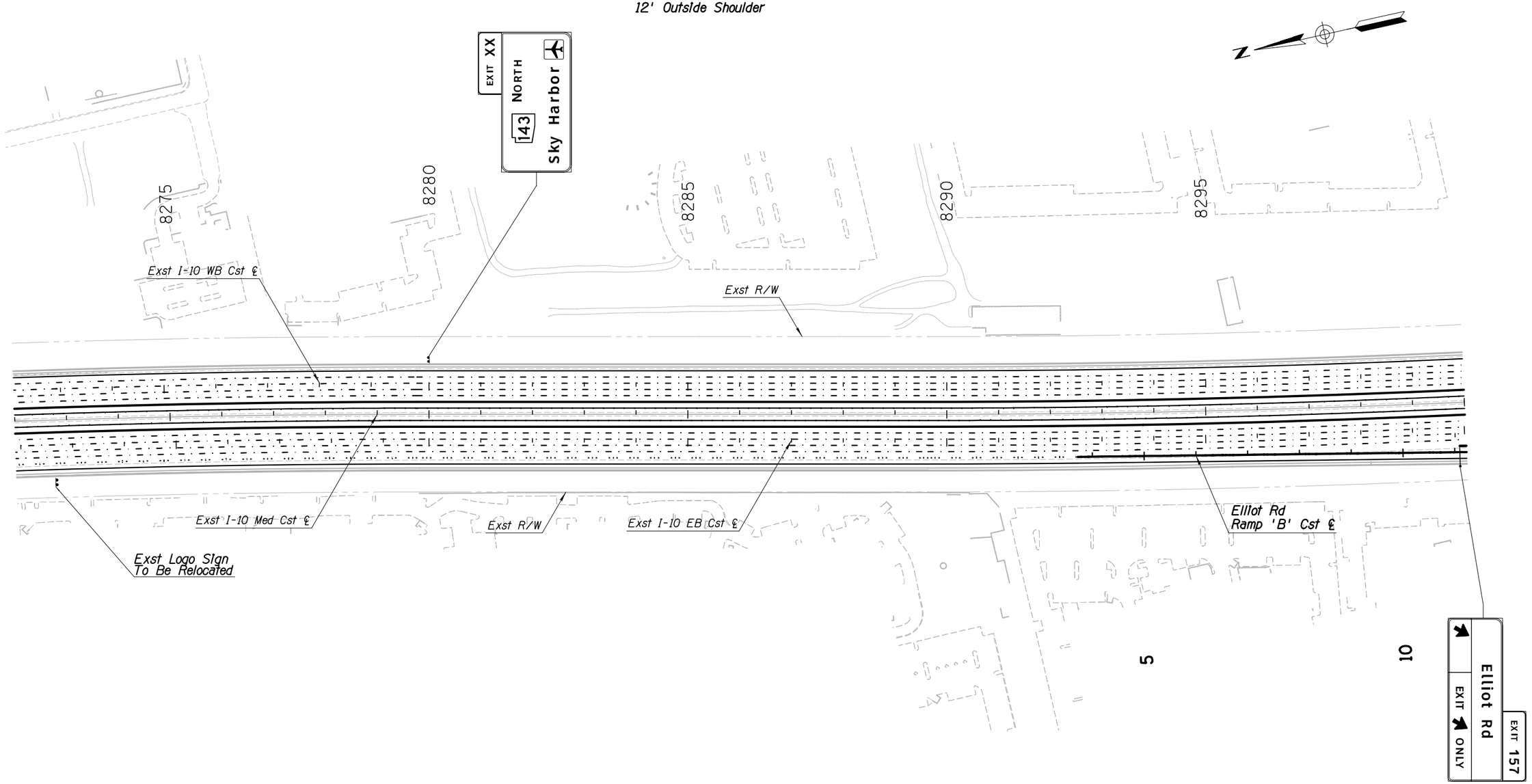
NO.	DESCRIPTION OF REVISION	MADE BY	DATE
NO.2			
NO.1			

8/5/2016 U:\I10-02(Spot)\Prod\tra\t8768p11.dgn

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

WB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (5)
12' Outside Shoulder



EB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (5)
12' Auxiliary Lane
12' Outside Shoulder

APPENDIX H

	NAME	DATE
DESIGN	AE	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
I-10
Sta 8272+00 to Sta 8300+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR202L, Santan/South Mountain	T-1.12

TRACS NO. H8768 01L

___ OF ___

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			

8/5/2016 U:\I10-02(Spot)\Prod\tra\t8768p12.dgn

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

WB ROADWAY SECTION
10.73' Inside Shoulder
12' HOV Lane
12' Lanes (5)
12' Outside Shoulder

WB ROADWAY SECTION
10.73' Inside Shoulder
12' HOV Lane
12' Lanes (4)
12' Outside Shoulder

EXIT 155 — Baseline Rd — 1¾ MILES

EXIT 154 — EAST — (60) Mesa-Globe — 2 MILES

Elliot Rd

Exst Elliot Rd Cst ℄

Exst Elliot Rd Ramp 'A' Cst ℄

Exst Elliot Rd Ramp 'B' Cst ℄

Exst R/W

Exst Logo Sign To Be Relocated

Elliot Rd Ramp 'A' Cst ℄

Elliot Rd Ramp 'C' Cst ℄

Exst I-10 WB Cst ℄

Exst I-10 Med Cst ℄

Exst I-10 EB Cst ℄

Elliot Rd Ramp 'B' Cst ℄

Elliot Rd Ramp 'D' Cst ℄

Exst Logo Sign To Be Relocated

Exst R/W

Exst Elliot Rd Ramp 'D' Cst ℄

Exst Elliot Rd Ramp 'C' Cst ℄

8305 10 8310 15 8315 8320 5 8325 20

15 20 15 20 5

EXIT 158 — Warner Rd — ¾ MILE

EB ROADWAY SECTION
10.73' Inside Shoulder
12' HOV Lane
12' Lanes (Varies 4-5)
12' Outside Shoulder

APPENDIX H

	NAME	DATE
DESIGN	AE	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
I-10
Sta 8300+00 to Sta 8329+00

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.13
___ OF ___

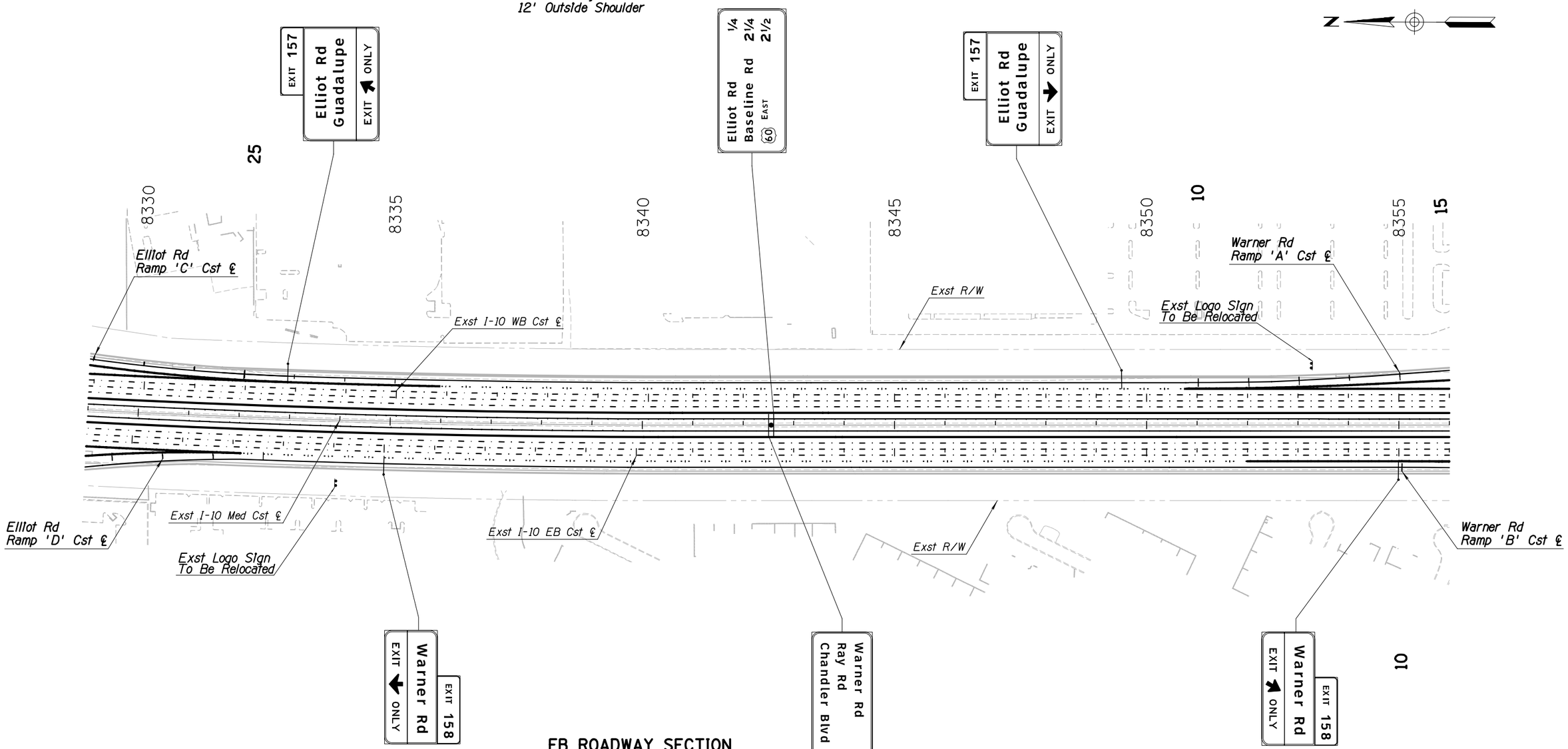
NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			

8/5/2016 U:\110-02(Spot)\Prod\tra\t8768p13.dgn

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

WB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (4)
12' Auxiliary Lane
12' Outside Shoulder



EB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (4)
12' Auxiliary Lane
12' Outside Shoulder

APPENDIX H

	NAME	DATE
DESIGN	AE	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

ARIZONA DEPARTMENT OF TRANSPORTATION
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TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
I-10
Sta 8329+00 to Sta 8356+00

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ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain

TRACS NO. H8768 01L

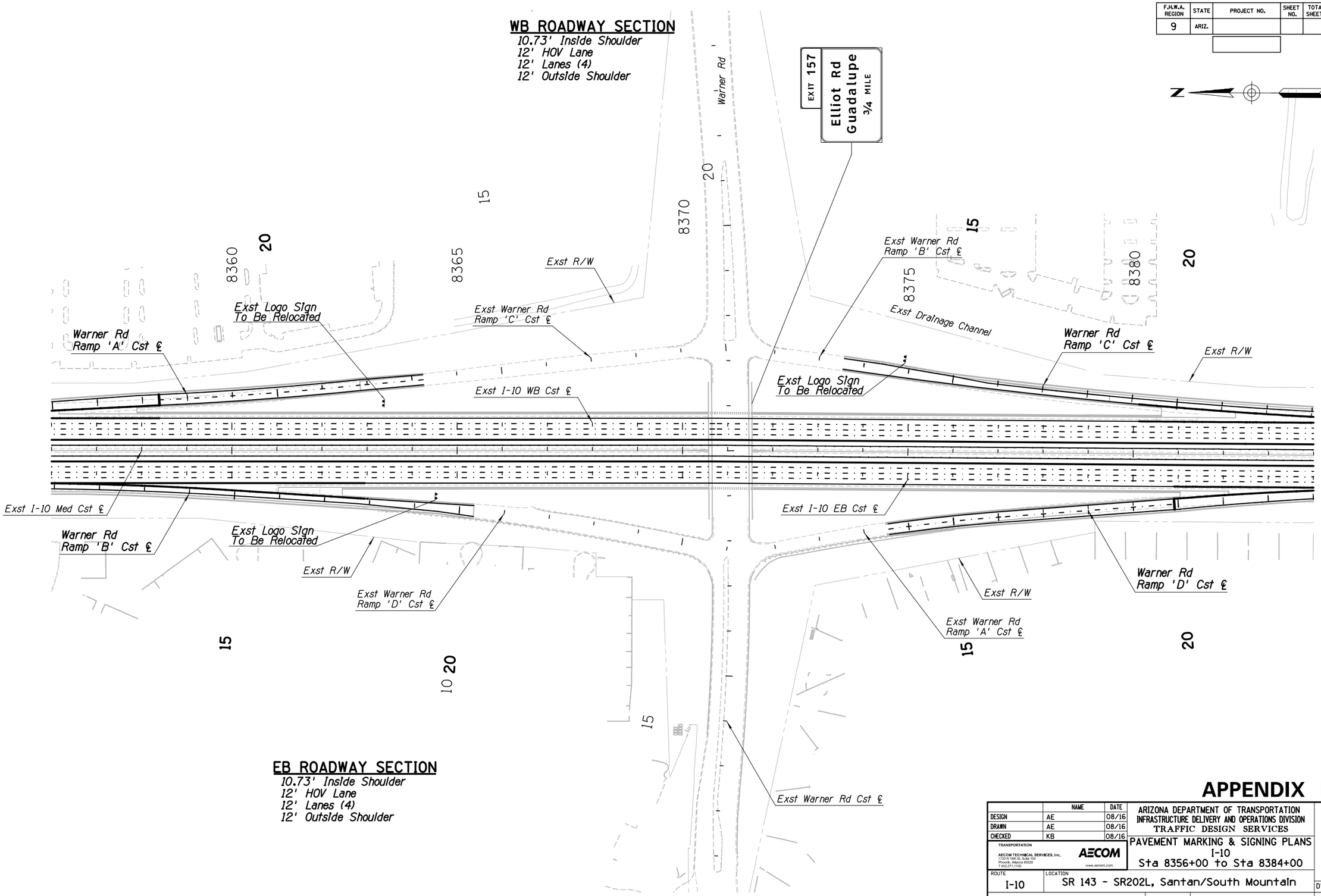
DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.14

____ OF ____

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			

8/5/2016 U:\I10-02(Spot)\Prod\tra\t8768p14.dgn

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



APPENDIX H

	NAME	DATE
DESIGN	AE	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
I-10
Sta 8356+00 to Sta 8384+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain
DWG NO. T-1.15

TRACS NO. H8768 01L

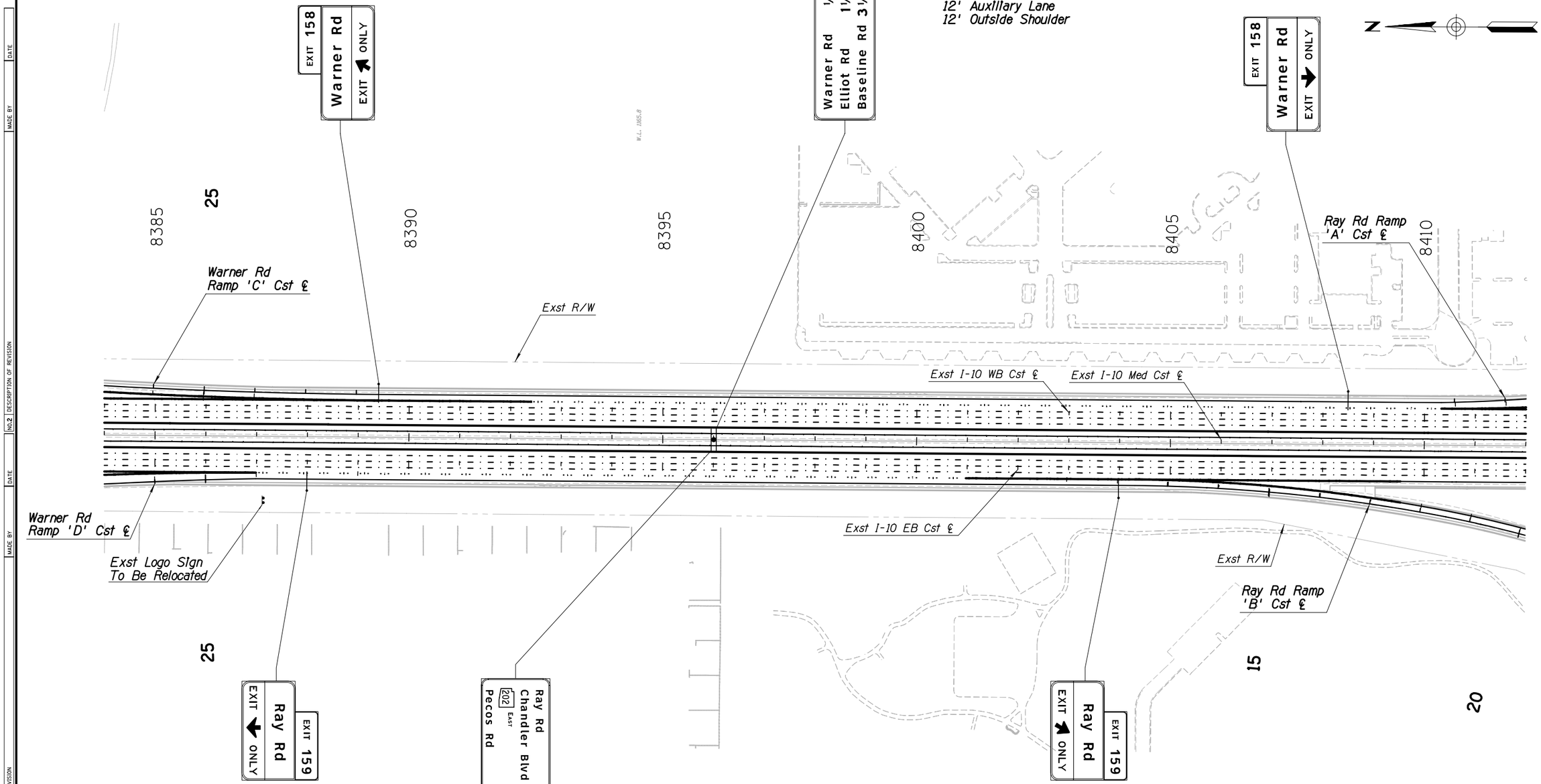
___ OF ___

8/5/2016 U:\I10-02(Spot)\Prod\tra\t8768p15.dgn

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

WB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (4)
12' Auxiliary Lane
12' Outside Shoulder



EB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (4)
12' Outside Shoulder

APPENDIX H

	NAME	DATE
DESIGN	AE	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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PAVEMENT MARKING & SIGNING PLANS
I-10
Sta 8384+00 to Sta 8412+00

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.16
___ OF ___

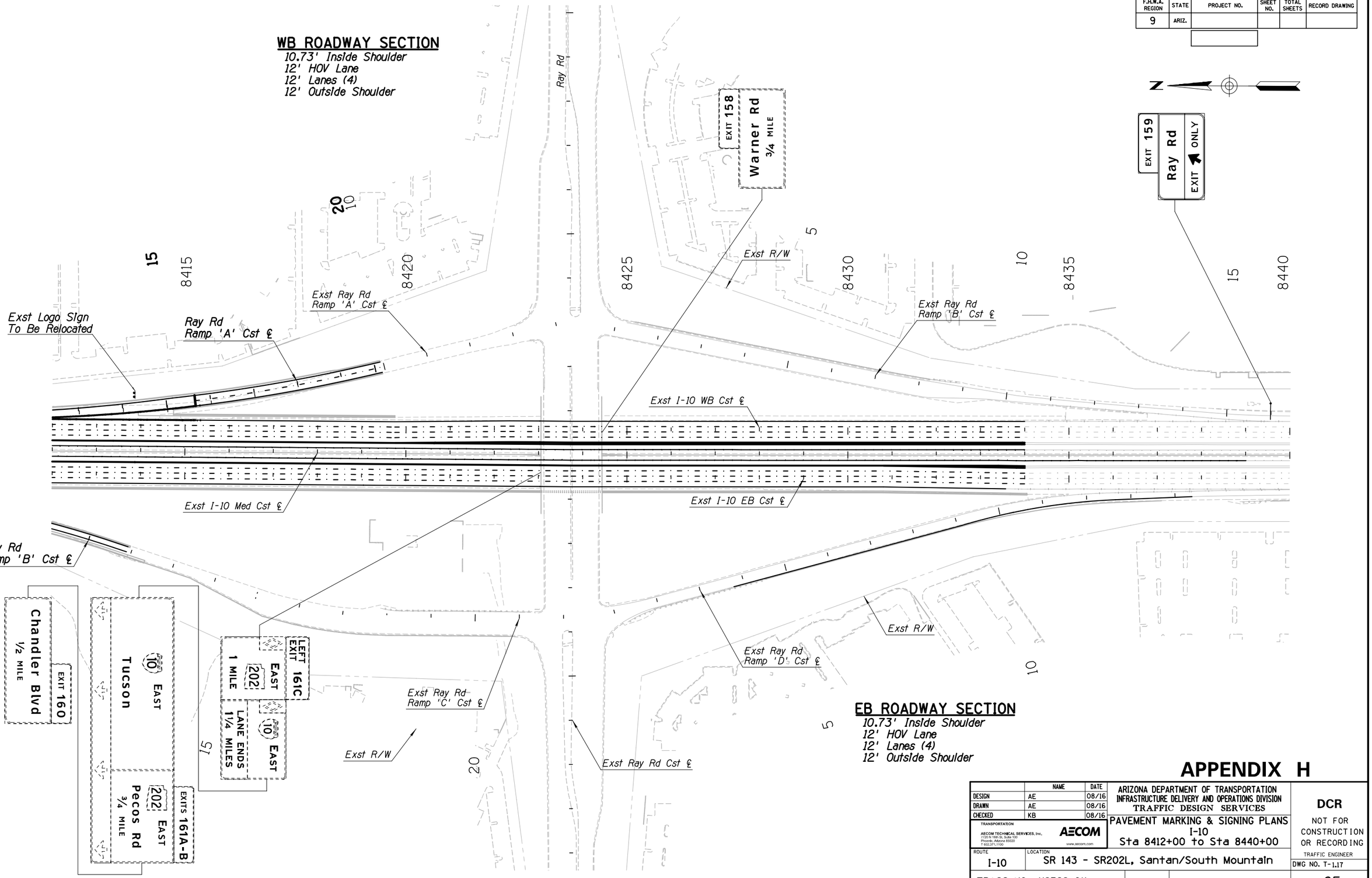
NO.1 | NO.2 | DESCRIPTION OF REVISION | DATE | MADE BY | DATE

8/5/2016 U:\I10-02(Spot)\Prod\tra\t8768p16.dgn

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

WB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (4)
12' Outside Shoulder



EB ROADWAY SECTION

10.73' Inside Shoulder
12' HOV Lane
12' Lanes (4)
12' Outside Shoulder

APPENDIX H

	NAME	DATE
DESIGN	AE	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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PAVEMENT MARKING & SIGNING PLANS
I-10
Sta 8412+00 to Sta 8440+00

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER
DWG NO. T-1.17
___ OF ___

NO.1 DESCRIPTION OF REVISION | DATE | MADE BY | DATE | NO.2 DESCRIPTION OF REVISION

8/5/2016 U:\I10-02(Spot)\Prod\tra\t8768p17.dgn

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

NO.	DESCRIPTION OF REVISION	DATE	MADE BY
1			
2			

Exst Priest Dr Cst ℄
US60 Ramp 'W-N' Cst ℄
WB CD Ramp 'T-2' Cst ℄
Exst R/W
Exst US60 Ramp 'W-S' Cst ℄
Priest Drive
Exst US60 Ramp 'S-E' Cst ℄
Exst US60 Ramp HOV Cst ℄
Exst US60 Ramp 'S-E DB' Cst ℄
US60 Ramp 'W-N' Cst ℄
Exst R/W
Exst Priest Dr Ramp 'D' Cst ℄
Exst R/W
Exst Priest Dr Ramp 'C' Cst ℄
Exst US60 Ramp 'W-N' Cst ℄
Exst R/W
Exst US60 Ramp HOV Cst ℄
Priest Dr Ramp 'D' Cst ℄
Western Canal

Mill Ave
Rural Rd
McClintock Dr

LEFT EXIT XXX (10) EAST Tucson EXIT ONLY
(10) (60) WEST Phoenix
EXIT XX (143) TO Broadway Rd 52nd St EXIT ONLY

LEFT EXIT XXX (10) EAST Tucson EXIT ONLY
(10) (60) WEST Phoenix
EXIT XX (143) TO Broadway Rd 52nd St EXIT ONLY

APPENDIX H

	NAME	DATE
DESIGN	AE	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
US 60
Sta 109+00 to Sta 137+00

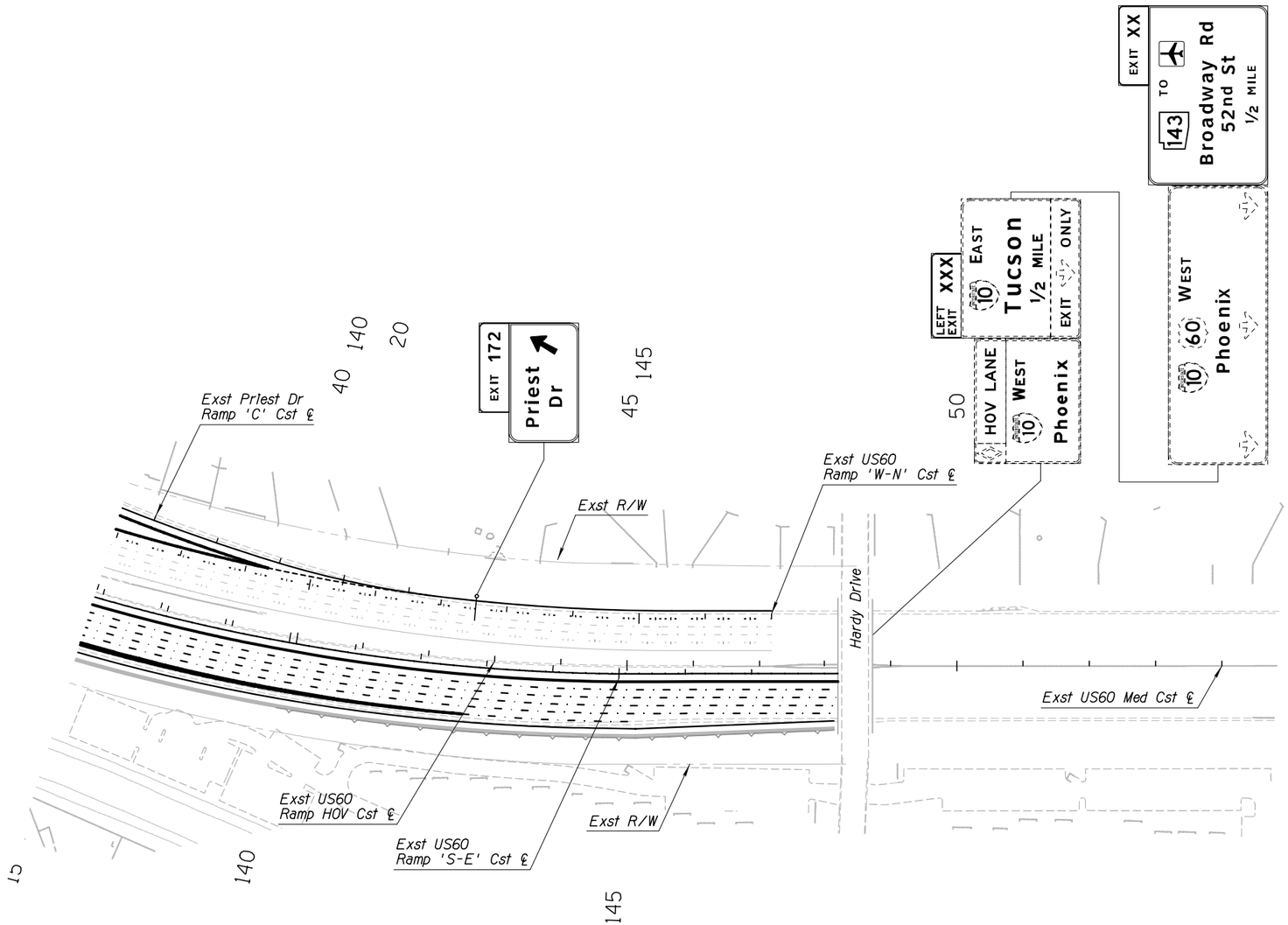
DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

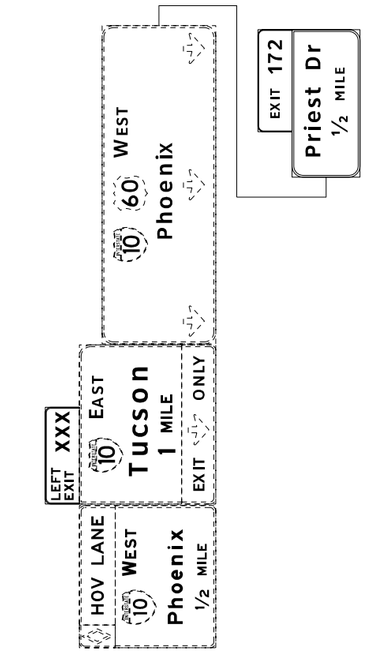
ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain
DWG NO. T-1.18

TRACS NO. H8768 01L

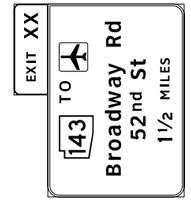
___ OF ___

8/5/2016 U:\110-02\Spot\Prod\tra\t8768p18.dgn





* Guide Signs located on sign bridge at WB Sta 173+44



* New sign located on a monotube cantilever structure one mile from Sta 148+00

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

N

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			

APPENDIX H

	NAME	DATE
DESIGN	AE	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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ARIZONA DEPARTMENT OF TRANSPORTATION
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TRAFFIC DESIGN SERVICES

PAVEMENT MARKING & SIGNING PLANS
US 60
Sta 137+00 to Sta 65+00

DCR
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TRAFFIC ENGINEER

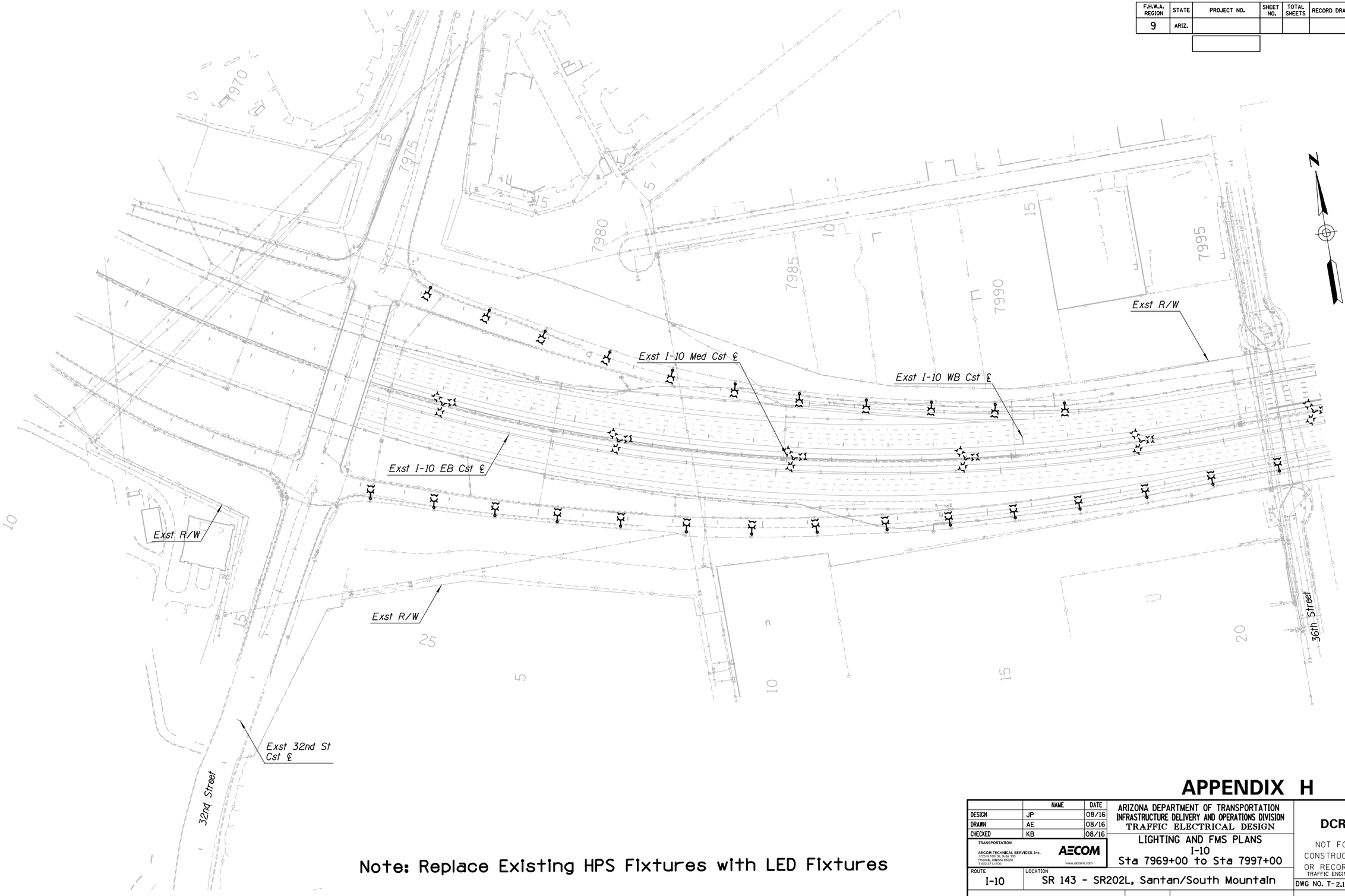
ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR202L, Santan/South Mountain	T-1.19

TRACS NO. H8768 01L ____ OF ____

8/5/2016 U:\110-02\Spot\Prod\tra\t8768p19.dgn

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

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
NO.1			
NO.2			



Note: Replace Existing HPS Fixtures with LED Fixtures

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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ARIZONA DEPARTMENT OF TRANSPORTATION
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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
I-10
Sta 7969+00 to Sta 7997+00

DCR

NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR202L, Santan/South Mountain	T-2.1

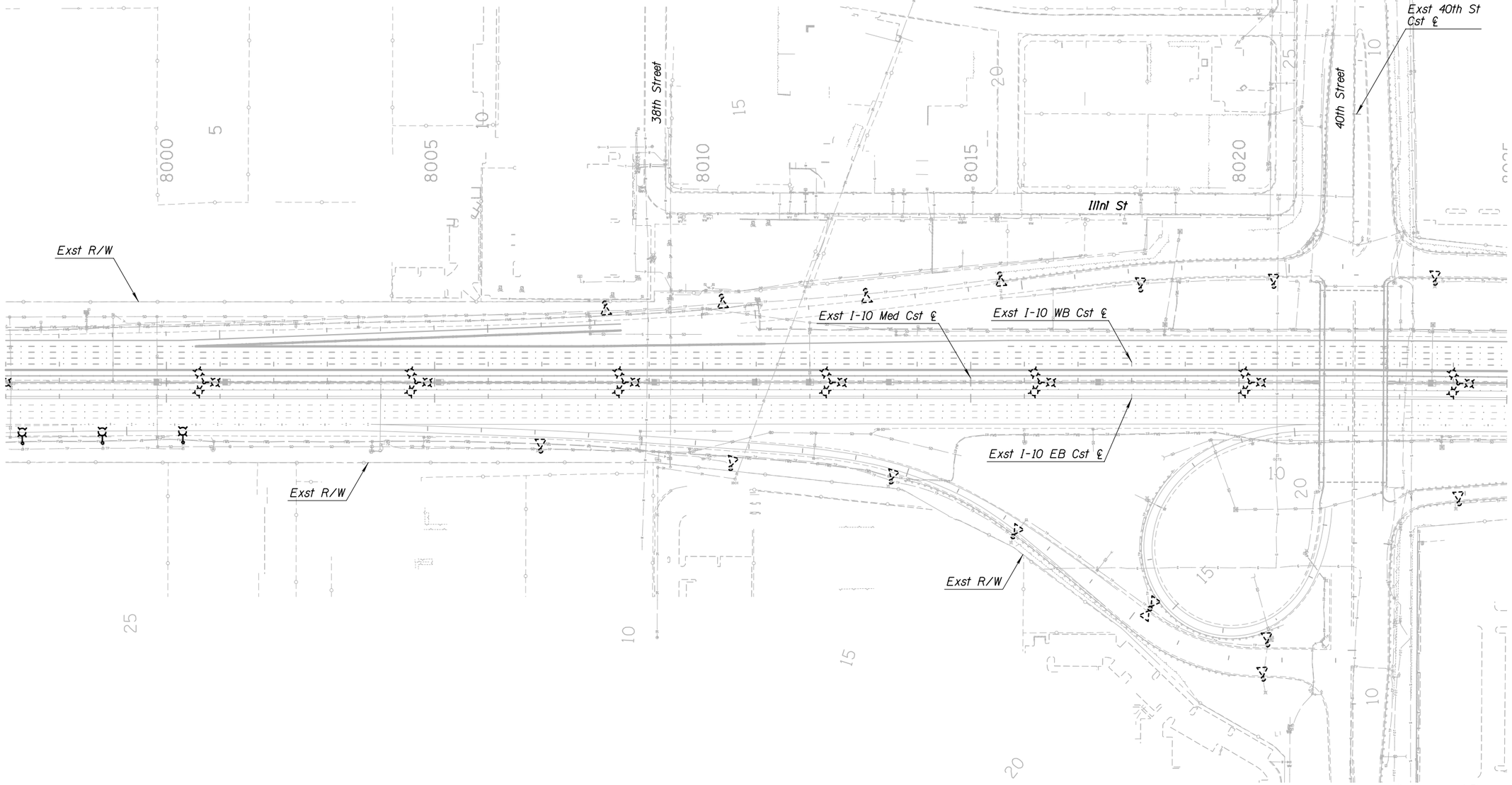
TRACS NO. H8768 01L

___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\ele\o8768p01.dgn

Note: Replace Existing HPS Fixtures with LED Fixtures

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



APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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ARIZONA DEPARTMENT OF TRANSPORTATION
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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
I-10
Sta 7997+00 to Sta 8025+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR202L, Santan/South Mountain	T-2.2

TRACS NO. H8768 01L

___ OF ___

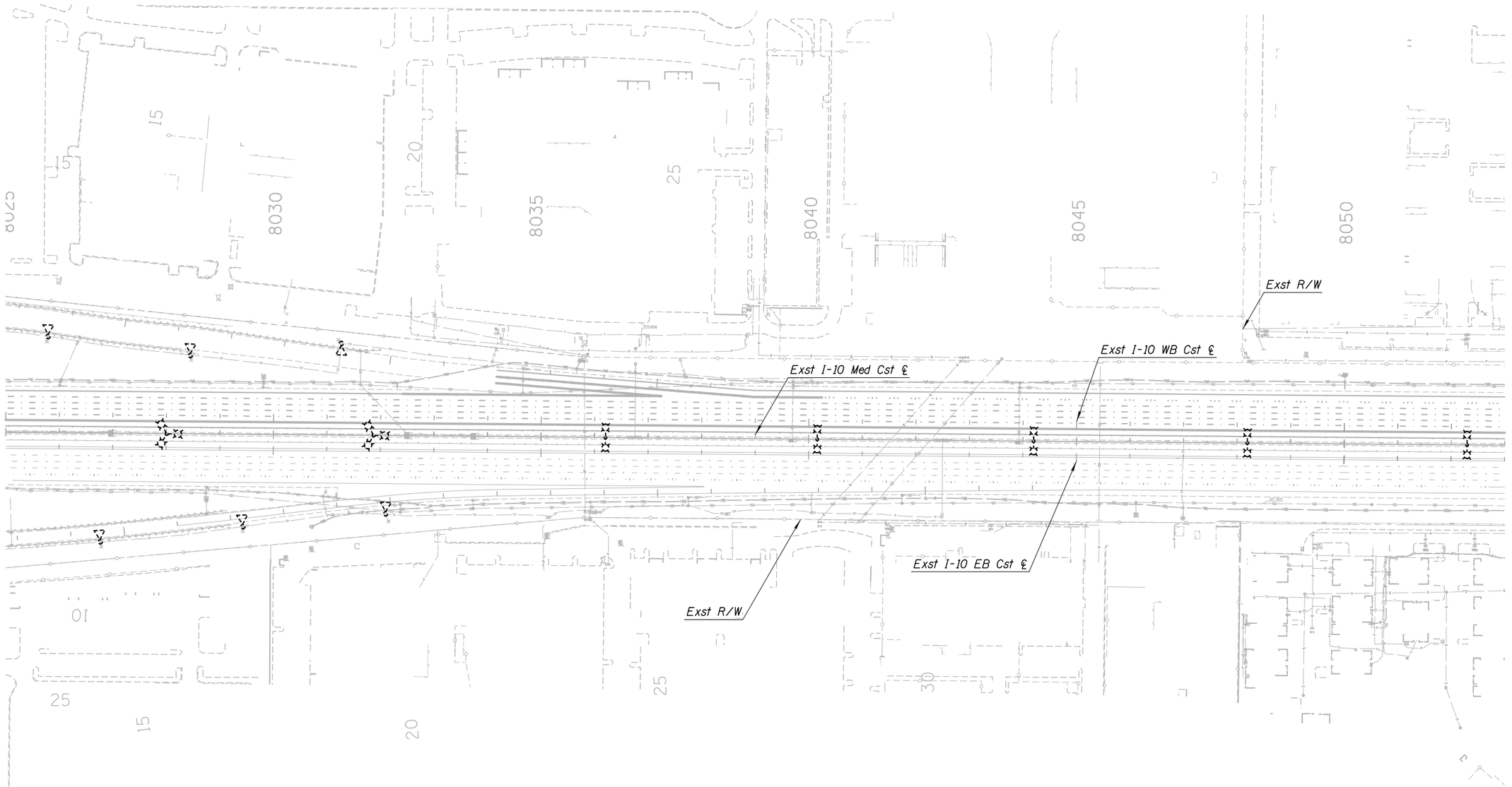
NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			

8/4/2016 U:\110-02(Spot)\Prod\ele\o8768p02.dgn

Note: Replace Existing HPS Fixtures with LED Fixtures

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

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			



APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
I-10
Sta 8025+00 to Sta 8053+00

DCR
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TRAFFIC ENGINEER

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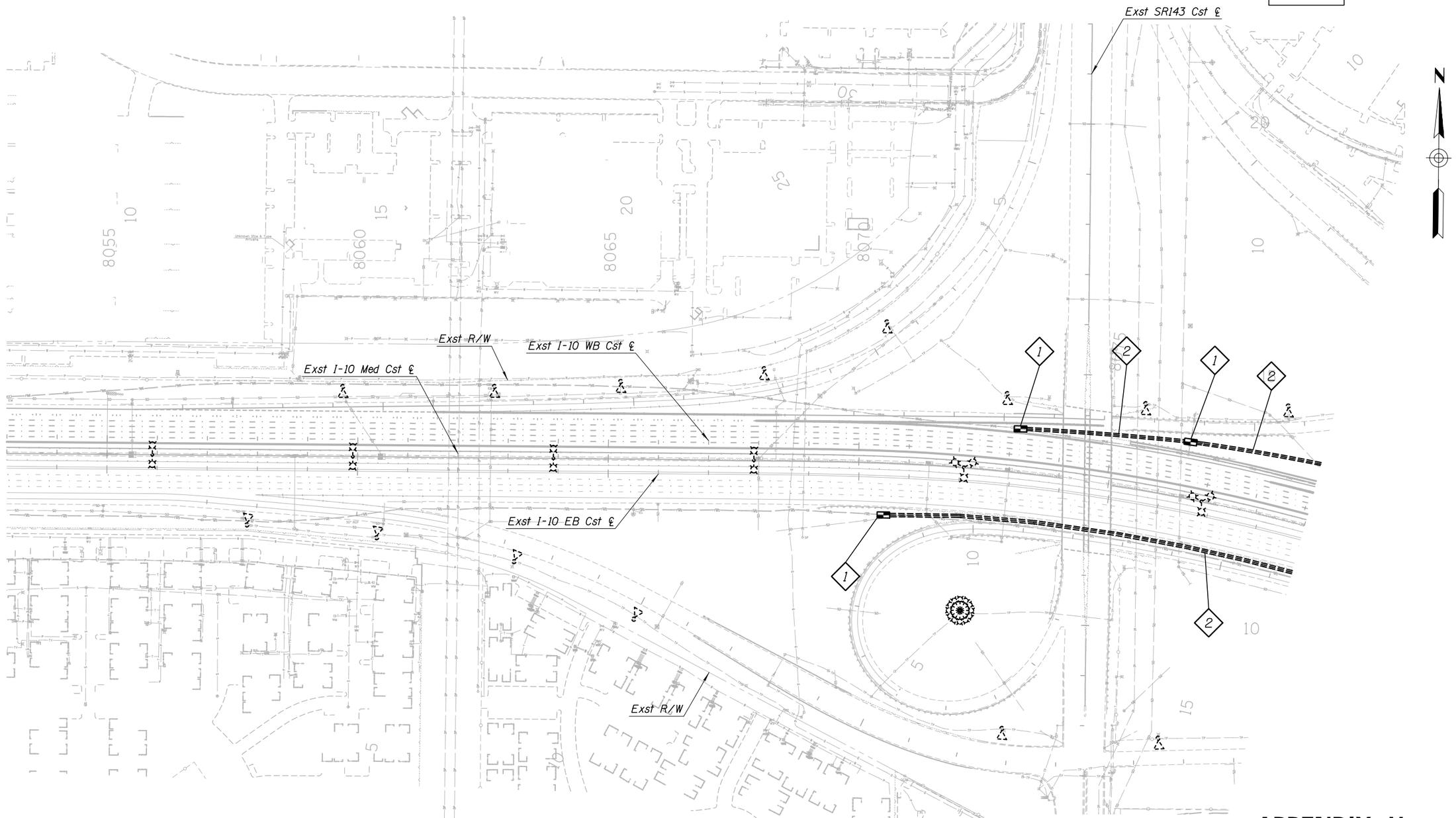
ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR202L, Santan/South Mountain	T-2.3

TRACS NO. H8768 01L ____ OF ____

8/4/2016 U:\I10-02(Spot)\Prod\ele\o8768p03.dgn

Note: Replace Existing HPS Fixtures with LED Fixtures

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



#	FMS CONSTRUCTION NOTES
1	Install New No. 9 Pull Box
2	Install 3-3" Conduits

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
I-10
Sta 8053+00 to Sta 8079+00

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

DWG NO. T-2.4

____ OF ____

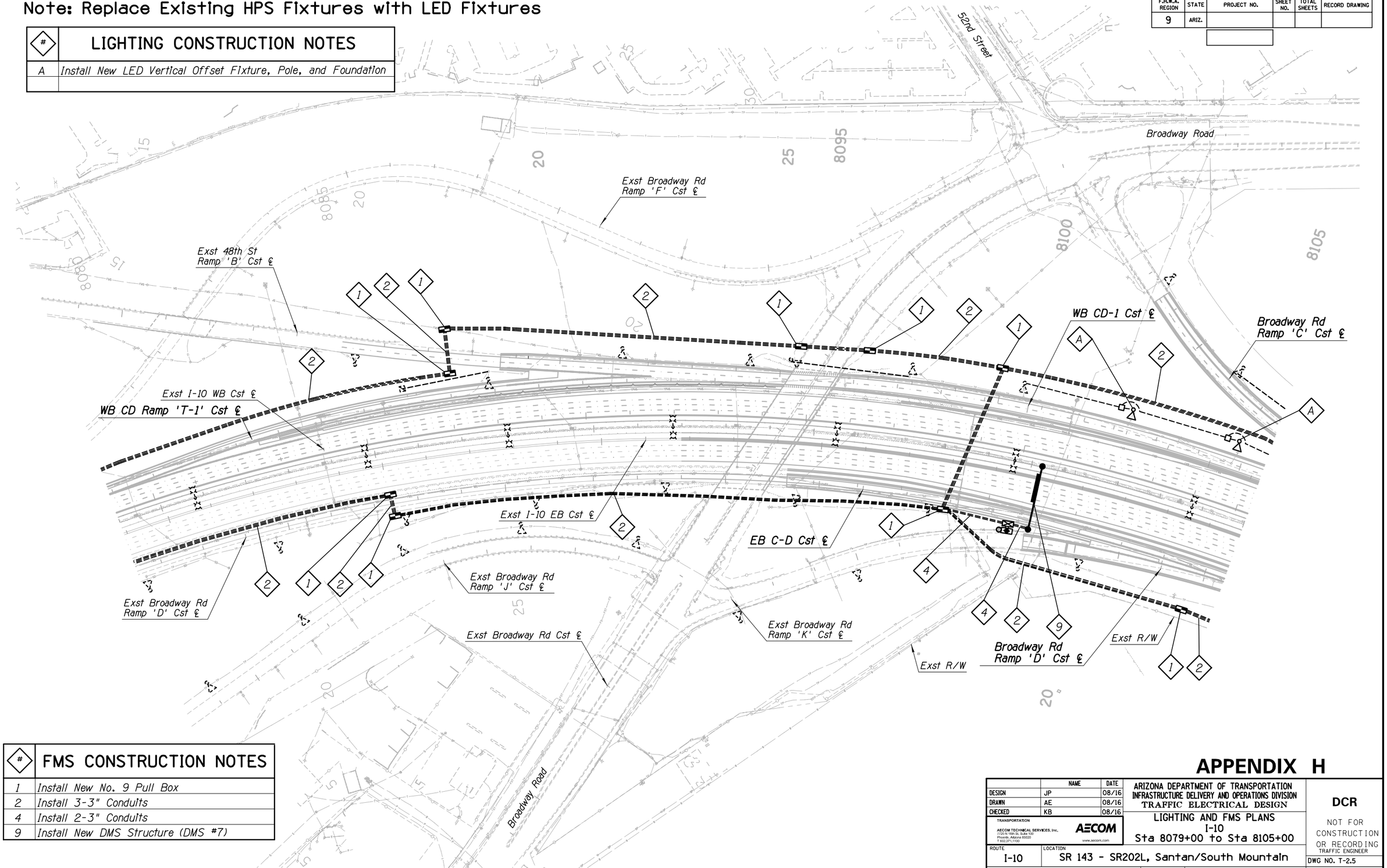
NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

8/4/2016 U:\110-02(Spot)\Prod\ele\o8768p04.dgn

Note: Replace Existing HPS Fixtures with LED Fixtures

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

#	LIGHTING CONSTRUCTION NOTES
A	Install New LED Vertical Offset Fixture, Pole, and Foundation



#	FMS CONSTRUCTION NOTES
1	Install New No. 9 Pull Box
2	Install 3-3" Conduits
4	Install 2-3" Conduits
9	Install New DMS Structure (DMS #7)

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
I-10
Sta 8079+00 to Sta 8105+00

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

DWG NO. T-2.5

___ OF ___

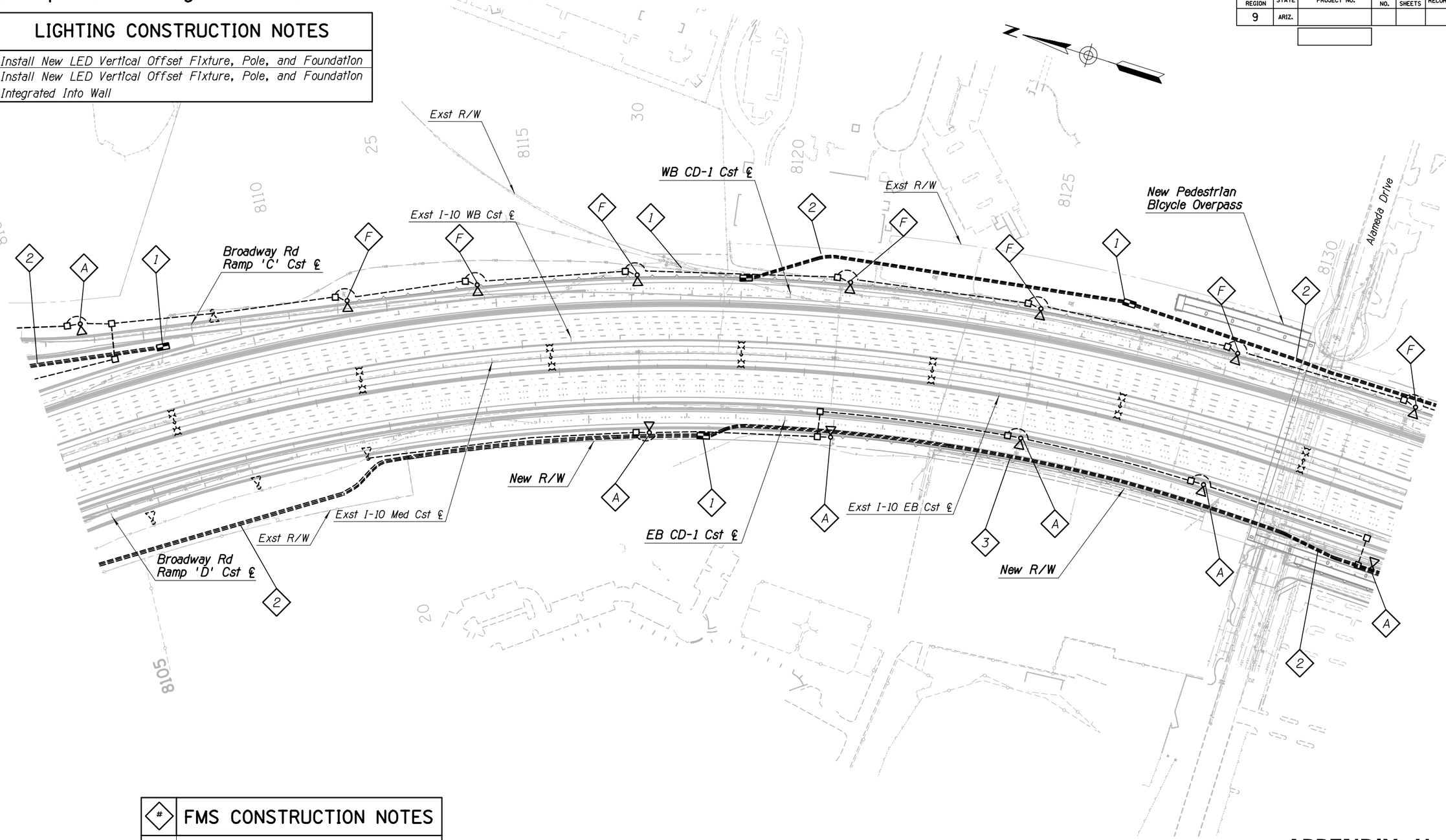
NO.1 DESCRIPTION OF REVISION DATE MADE BY DATE

8/4/2016 U:\I10-02(Spot)\Prod\ele\o8768p05.dgn

Note: Replace Existing HPS Fixtures with LED Fixtures

#	LIGHTING CONSTRUCTION NOTES
A	*Install New LED Vertical Offset Fixture, Pole, and Foundation*
F	*Install New LED Vertical Offset Fixture, Pole, and Foundation Integrated Into Wall*

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



#	FMS CONSTRUCTION NOTES
1	*Install New No. 9 Pull Box*
2	*Install 3-3" Conduits*
3	*Install 3-3" Conduits Beneath Shoulder*

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
TRAFFIC ELECTRICAL DESIGN

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www.aecom.com

LIGHTING AND FMS PLANS
I-10
Sta 8105+00 to Sta 8133+00

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

DWG NO. T-2.6

____ OF ____

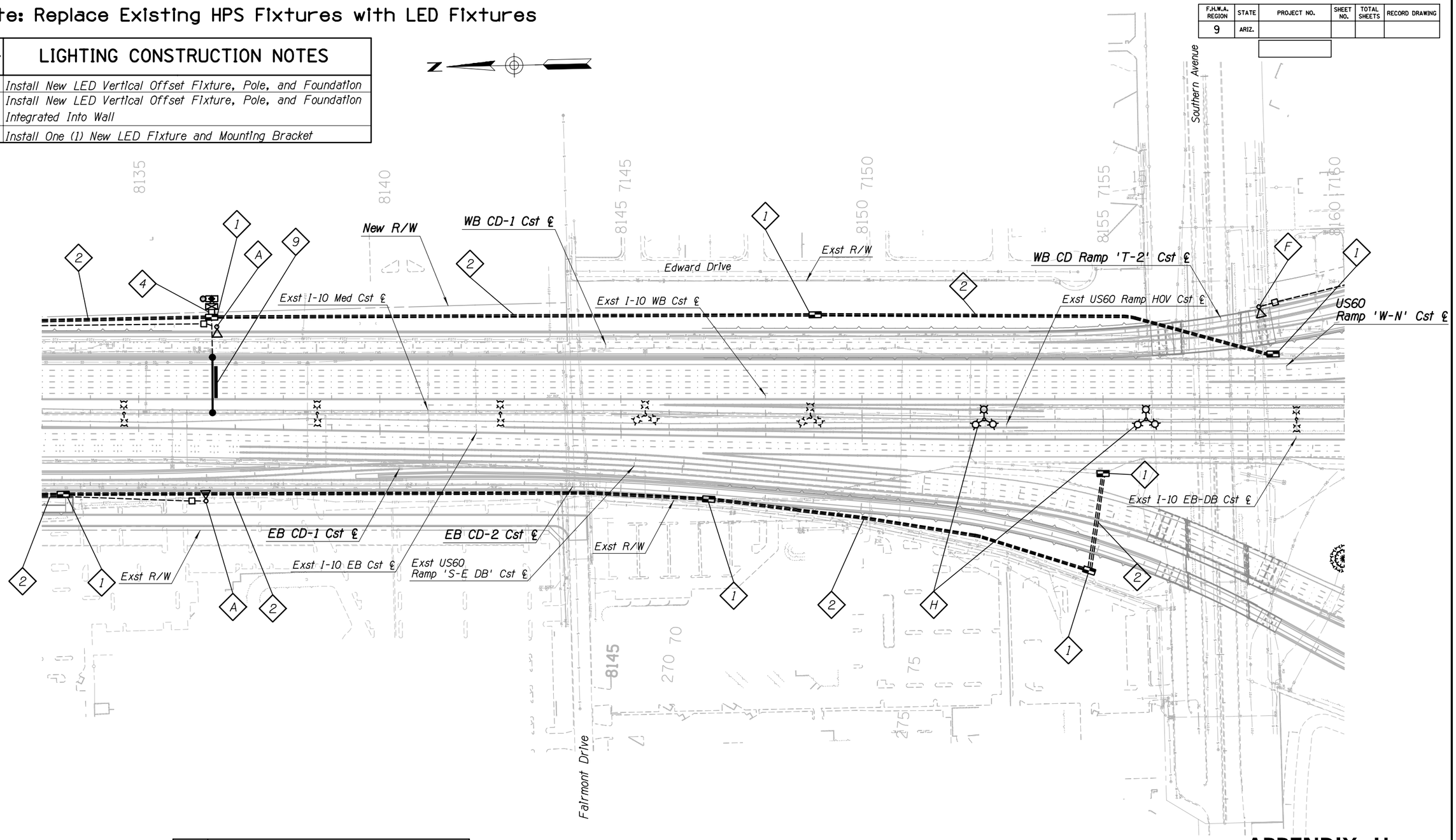
NO.1 DESCRIPTION OF REVISION MADE BY DATE
NO.2 DESCRIPTION OF REVISION MADE BY DATE

8/4/2016 U:\110-02\Spot\Prod\ele\o8768p06.dgn

Note: Replace Existing HPS Fixtures with LED Fixtures

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

#	LIGHTING CONSTRUCTION NOTES
A	Install New LED Vertical Offset Fixture, Pole, and Foundation
F	Install New LED Vertical Offset Fixture, Pole, and Foundation Integrated Into Wall
H	Install One (1) New LED Fixture and Mounting Bracket



#	FMS CONSTRUCTION NOTES
1	Install New No. 9 Pull Box
2	Install 3-3" Conduits
4	Install 2-3" Conduits
9	Install New DMS Structure (DMS #10)

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
I-10
Sta 8133+00 to Sta 8160+00

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

DWG NO. T-2.7

___ OF ___

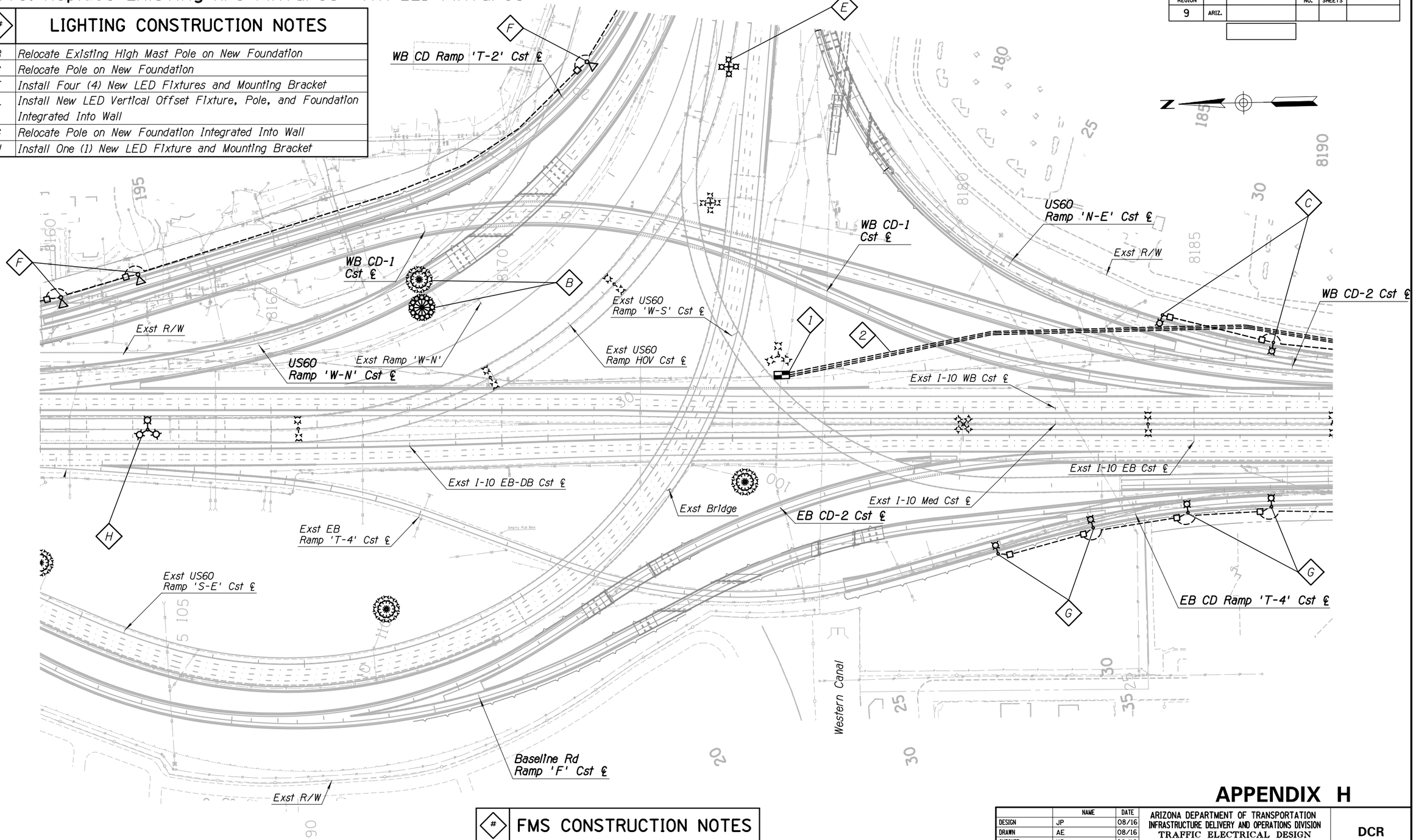
NO.1 | DESCRIPTION OF REVISION | DATE | MADE BY | NO.2 | DESCRIPTION OF REVISION | DATE | MADE BY

8/4/2016 U:\I10-02(Spot)\Prod\ele\o8768p07.dgn

Note: Replace Existing HPS Fixtures with LED Fixtures

#	LIGHTING CONSTRUCTION NOTES
B	Relocate Existing High Mast Pole on New Foundation
C	Relocate Pole on New Foundation
E	Install Four (4) New LED Fixtures and Mounting Bracket
F	Install New LED Vertical Offset Fixture, Pole, and Foundation Integrated Into Wall
G	Relocate Pole on New Foundation Integrated Into Wall
H	Install One (1) New LED Fixture and Mounting Bracket

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



#	FMS CONSTRUCTION NOTES
1	Install New No. 9 Pull Box
2	Install 3-3" Conduits

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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ARIZONA DEPARTMENT OF TRANSPORTATION
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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
I-10
Sta 8160+00 to Sta 8188+00

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

DWG NO. T-2.8

___ OF ___

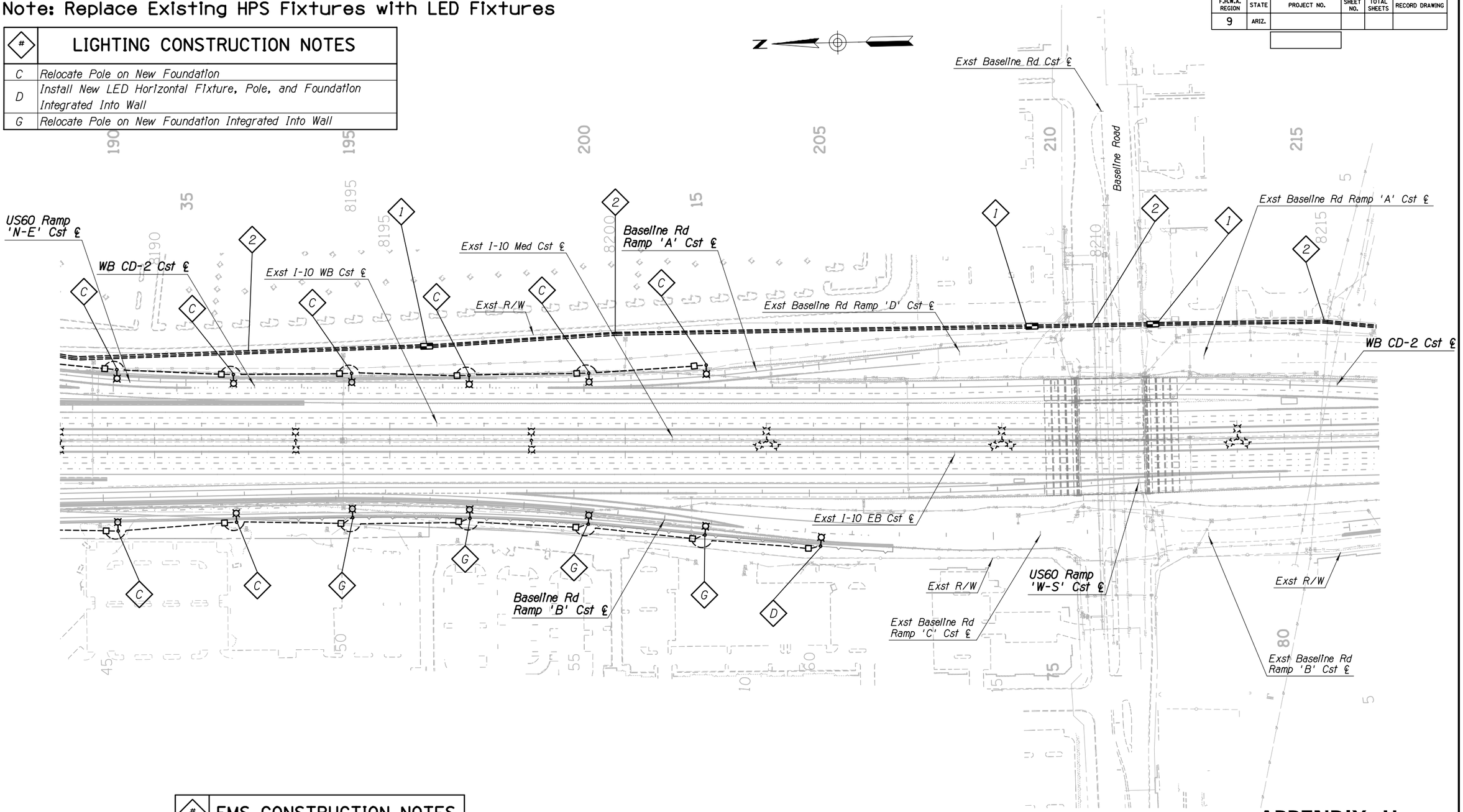
NO.1 | DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 | DESCRIPTION OF REVISION | MADE BY | DATE

8/4/2016 U:\I10-02(Spot)\Prod\ele\o8768p08.dgn

Note: Replace Existing HPS Fixtures with LED Fixtures

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

#	LIGHTING CONSTRUCTION NOTES
C	Relocate Pole on New Foundation
D	Install New LED Horizontal Fixture, Pole, and Foundation Integrated Into Wall
G	Relocate Pole on New Foundation Integrated Into Wall



#	FMS CONSTRUCTION NOTES
1	Install New No. 9 Pull Box
2	Install 3-3" Conduits

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
I-10
Sta 8188+00 to Sta 8216+00

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

DWG NO. T-2.9

___ OF ___

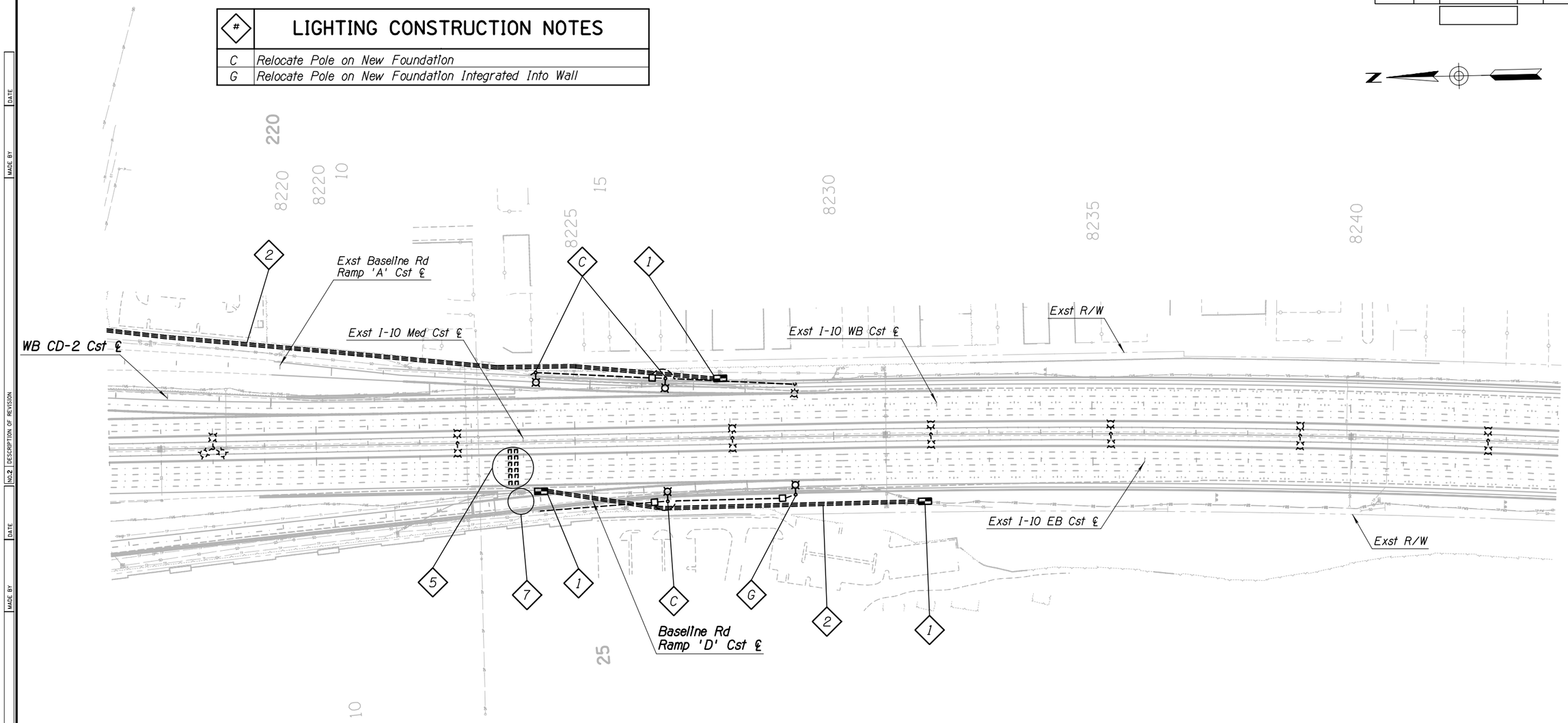
NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

8/4/2016 U:\I10-02(Spot)\Prod\ele\o8768p09.dgn

Note: Replace Existing HPS Fixtures with LED Fixtures

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

#	LIGHTING CONSTRUCTION NOTES
C	Relocate Pole on New Foundation
G	Relocate Pole on New Foundation Integrated Into Wall



#	FMS CONSTRUCTION NOTES
1	Install New No. 9 Pull Box
2	Install 3-3" Conduits
5	Install Twelve 6'x 6' Detector Loops
7	Relocate Ramp Meter

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

ARIZONA DEPARTMENT OF TRANSPORTATION
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LIGHTING AND FMS PLANS
I-10
Sta 8216+00 to Sta 8244+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

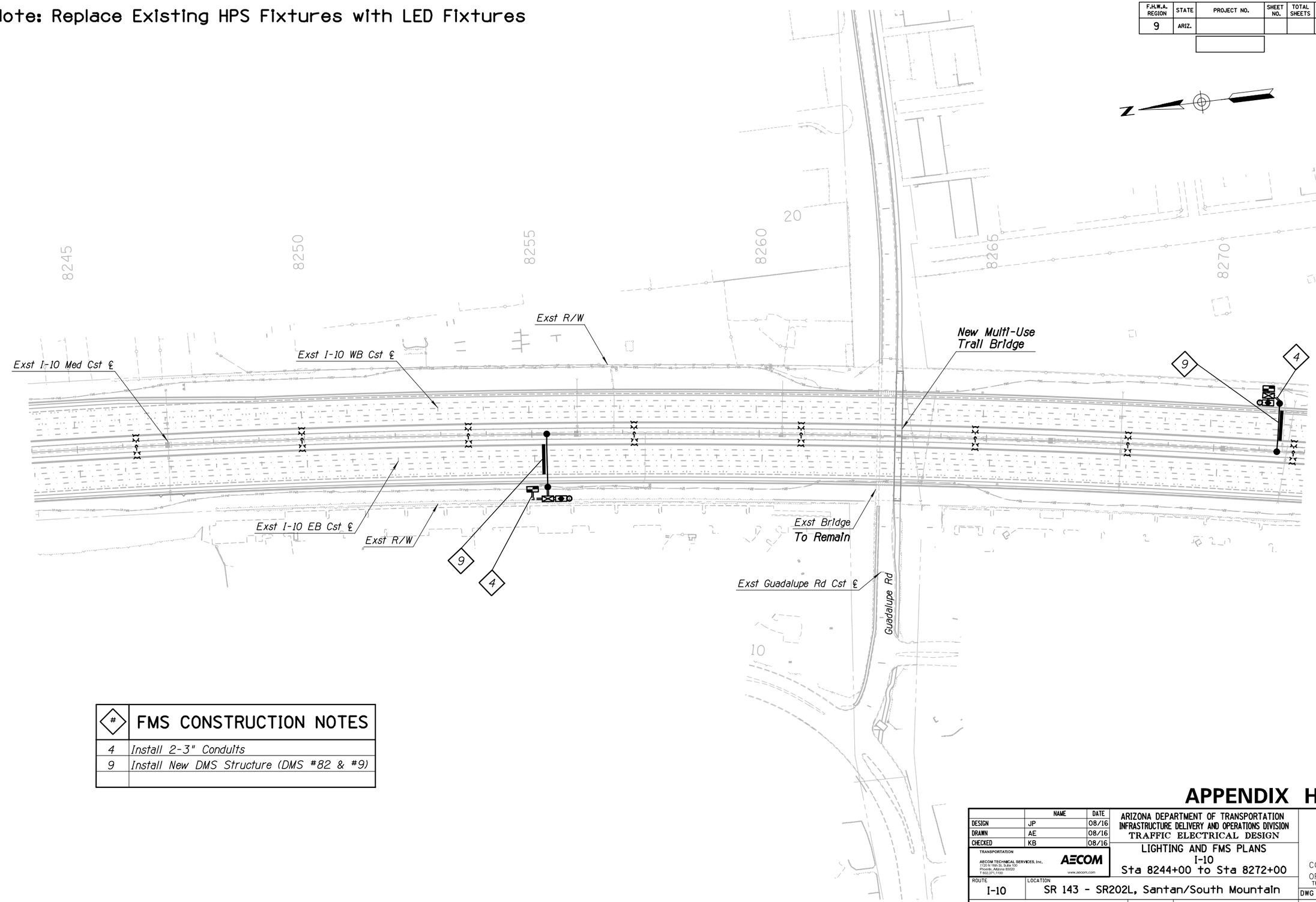
ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR202L, Santan/South Mountain	T-2.10

TRACS NO. H8768 01L ____ OF ____

8/4/2016 U:\I10-02(Spot)\Prod\ele\o8768p10.dgn

Note: Replace Existing HPS Fixtures with LED Fixtures

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



#	FMS CONSTRUCTION NOTES
4	Install 2-3" Conduits
9	Install New DMS Structure (DMS #82 & #9)

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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LIGHTING AND FMS PLANS
I-10
Sta 8244+00 to Sta 8272+00

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

DWG NO. T-2.11

___ OF ___

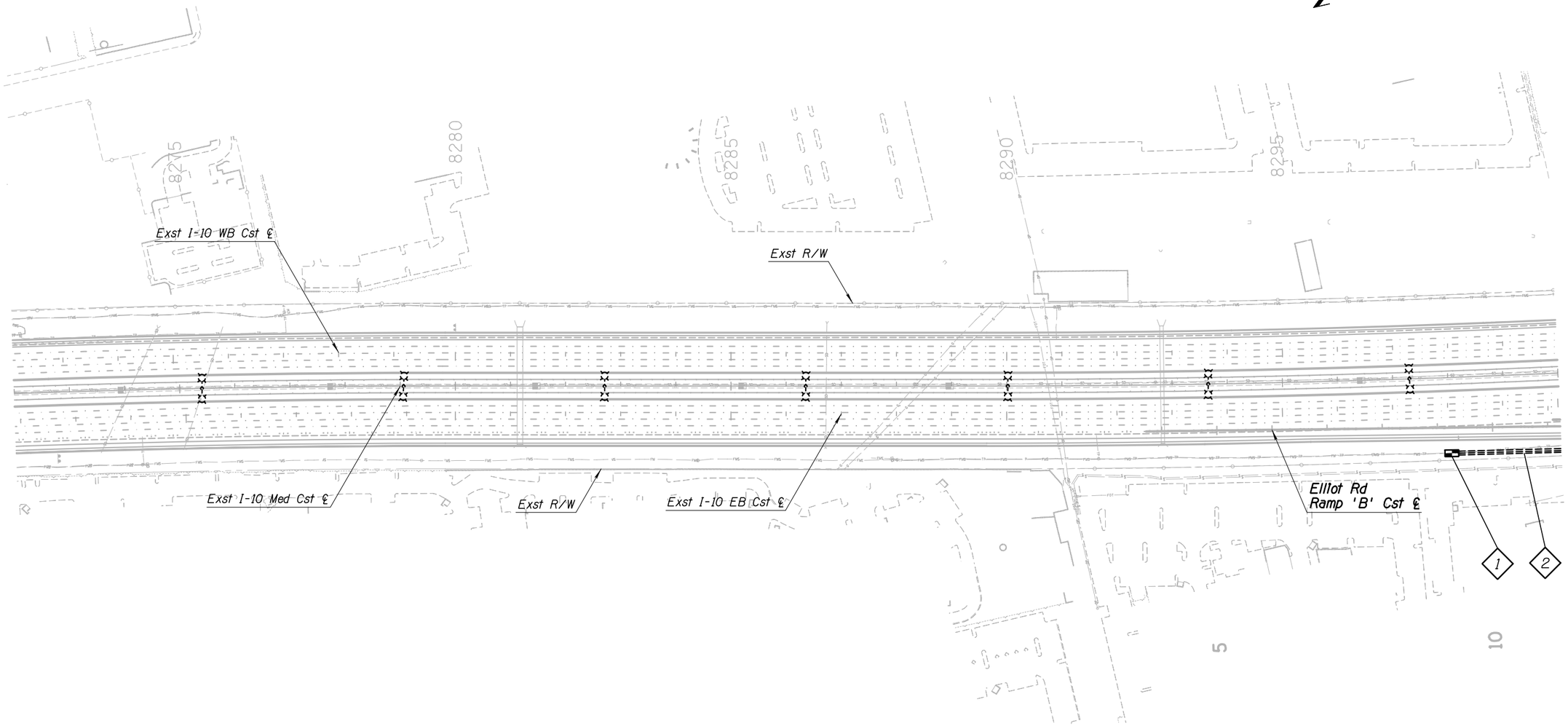
NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

8/4/2016 U:\I10-02(Spot)\Prod\ele\o8768p11.dgn

Note: Replace Existing HPS Fixtures with LED Fixtures

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

NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			



#	FMS CONSTRUCTION NOTES
1	Install New No. 9 Pull Box
2	Install 3-3" Conduits

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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ARIZONA DEPARTMENT OF TRANSPORTATION
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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
I-10
Sta 8272+00 to Sta 8300+00

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

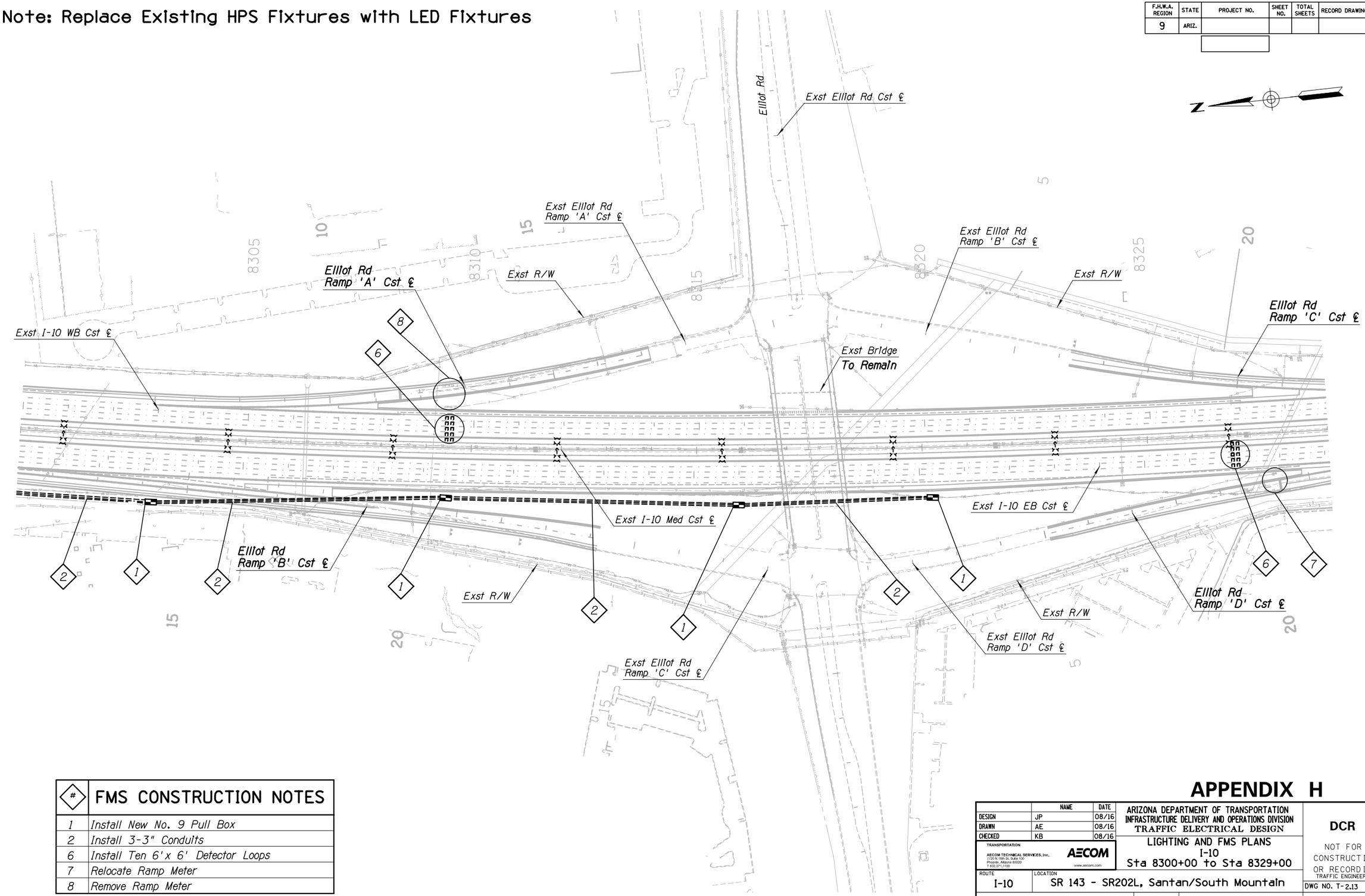
DWG NO. T-2.12

___ OF ___

8/4/2016 U:\110-02\Spot\Prod\ele\o8768p12.dgn

Note: Replace Existing HPS Fixtures with LED Fixtures

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



#	FMS CONSTRUCTION NOTES
1	Install New No. 9 Pull Box
2	Install 3-3" Conduits
6	Install Ten 6'x 6' Detector Loops
7	Relocate Ramp Meter
8	Remove Ramp Meter

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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LIGHTING AND FMS PLANS
I-10
Sta 8300+00 to Sta 8329+00

DCR

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TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO. T-2.13
I-10	SR 143 - SR202L, Santan/South Mountain	
TRACS NO. H8768 01L		___ OF ___

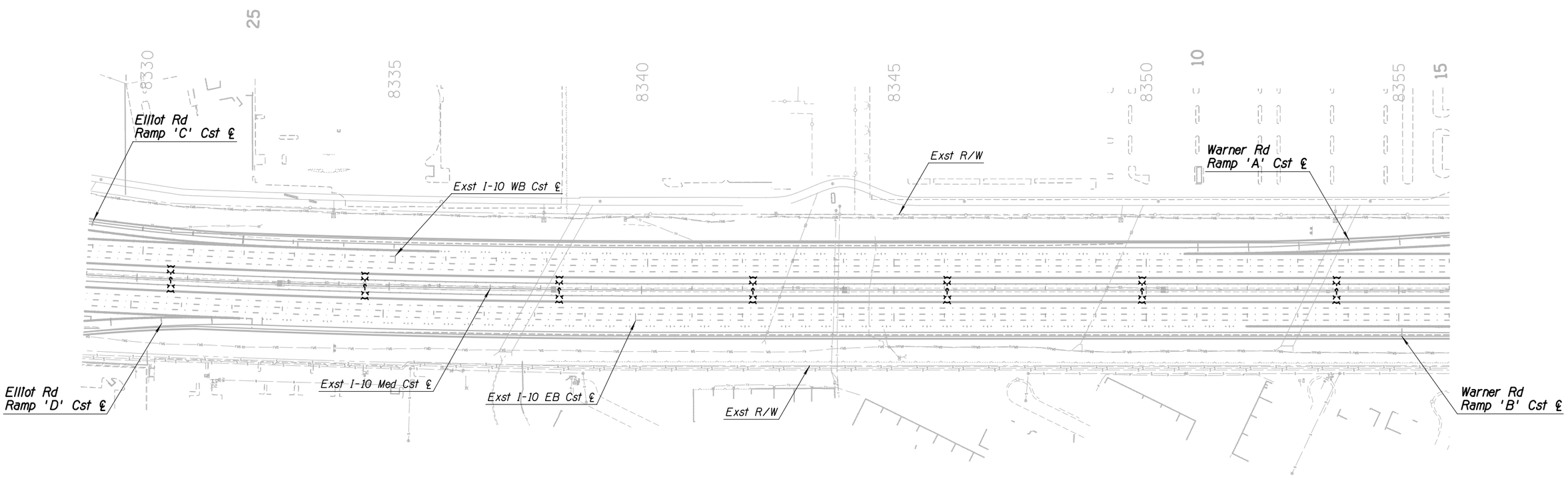
NO.1 DESCRIPTION OF REVISION DATE MADE BY
NO.2 DESCRIPTION OF REVISION DATE MADE BY

8/4/2016 U:\I10-02(Spot)\Prod\ele\o8768p13.dgn

Note: Replace Existing HPS Fixtures with LED Fixtures

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

N



APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
I-10
Sta 8329+00 to Sta 8356+00

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR

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TRAFFIC ENGINEER

DWG NO. T-2.14

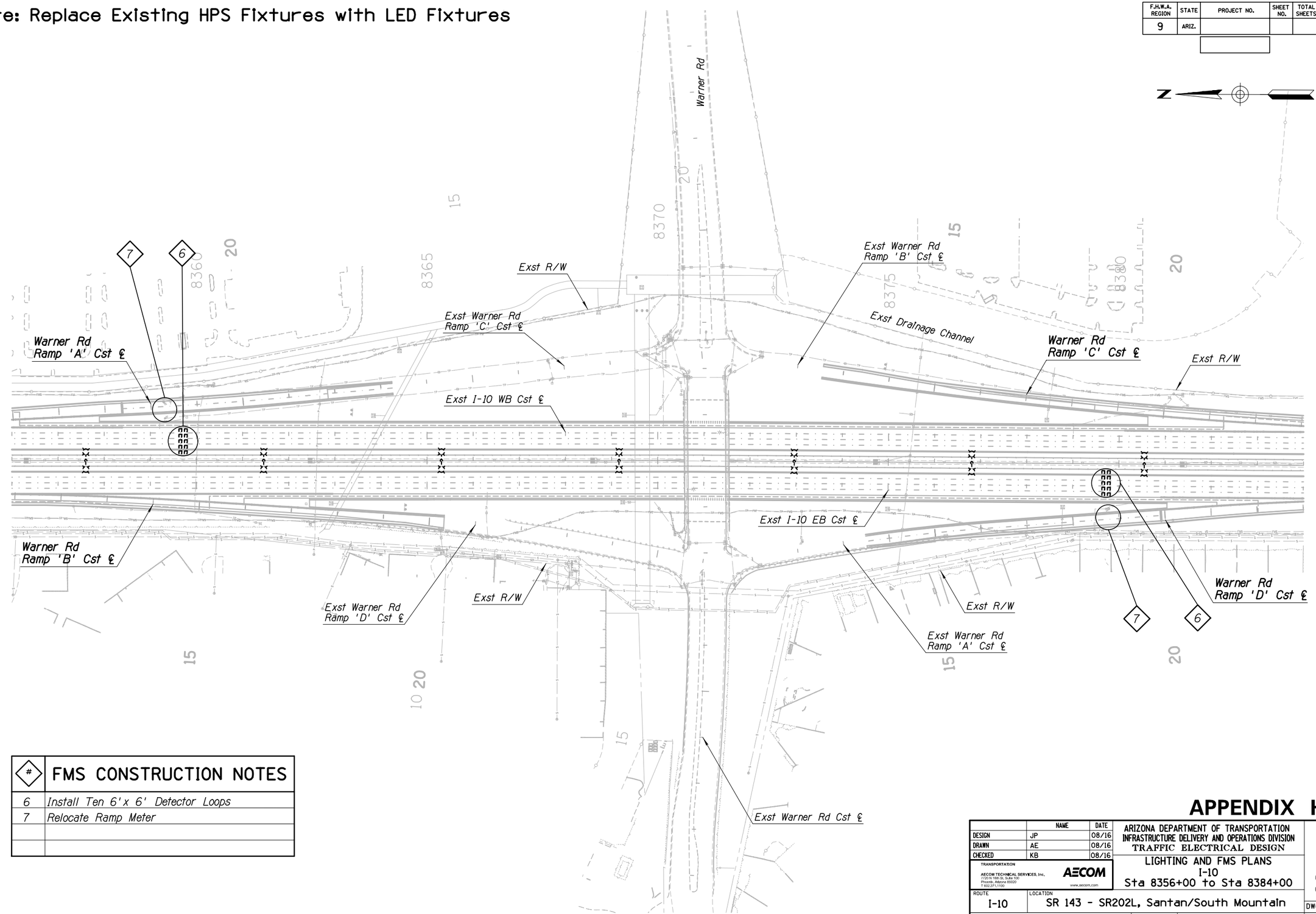
____ OF ____

NO.1 DESCRIPTION OF REVISION | MADE BY | DATE
NO.2 DESCRIPTION OF REVISION | MADE BY | DATE

8/4/2016 U:\I10-02(Spot)\Prod\ele\o8768p14.dgn

Note: Replace Existing HPS Fixtures with LED Fixtures

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



#	FMS CONSTRUCTION NOTES
6	Install Ten 6'x 6' Detector Loops
7	Relocate Ramp Meter

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
I-10
Sta 8356+00 to Sta 8384+00

ROUTE: I-10
LOCATION: SR 143 - SR202L, Santan/South Mountain

TRACS NO. H8768 01L

DCR
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TRAFFIC ENGINEER

DWG NO. T-2.15

___ OF ___

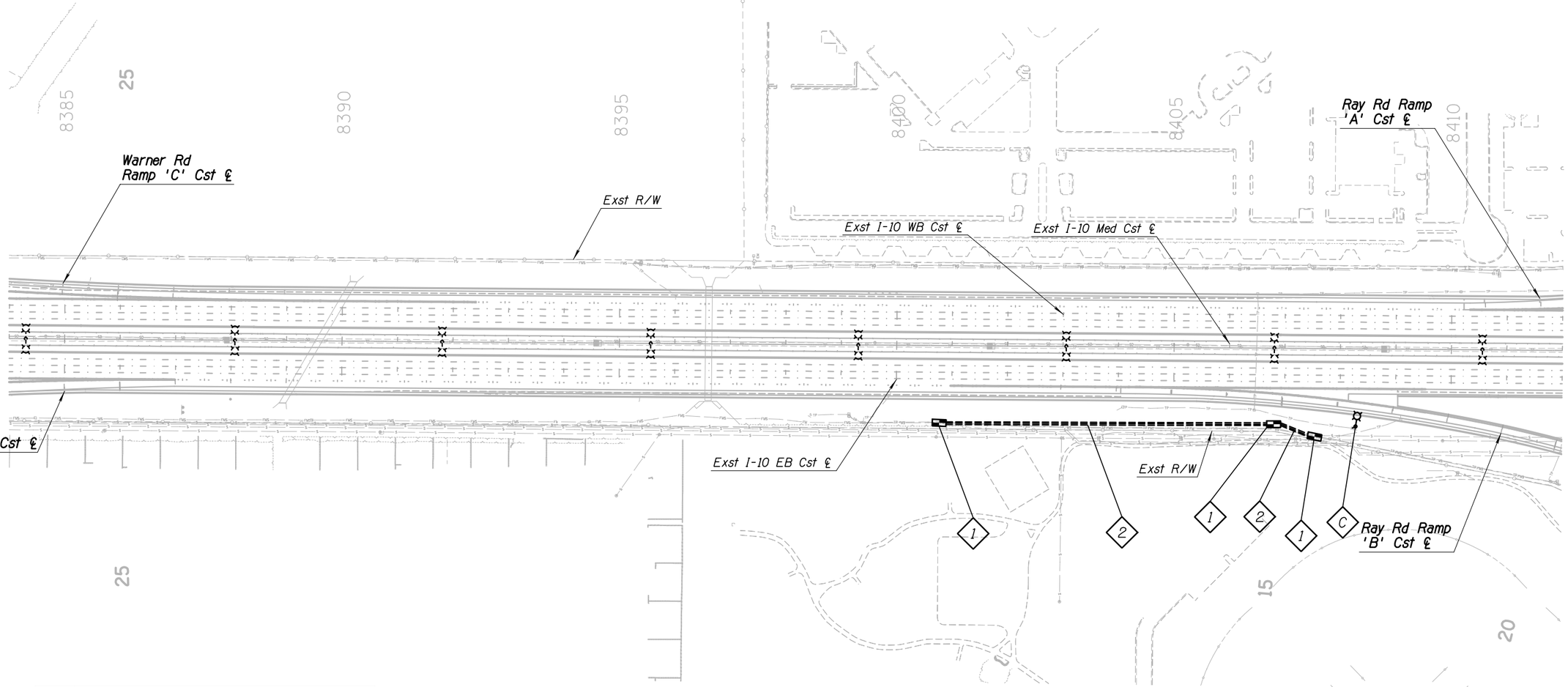
NO.1 DESCRIPTION OF REVISION DATE MADE BY DATE

8/4/2016 U:\110-02(Spot)\Prod\ele\o8768p15.dgn

Note: Replace Existing HPS Fixtures with LED Fixtures

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

#	LIGHTING CONSTRUCTION NOTES
C	Relocate Pole on New Foundation



#	FMS CONSTRUCTION NOTES
1	Install New No. 9 Pull Box
2	Install 3-3" Conduits

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
I-10
Sta 8384+00 to Sta 8412+00

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ROUTE	LOCATION	DWG NO. T-2.16
I-10	SR 143 - SR202L, Santan/South Mountain	
TRACS NO. H8768 01L		___ OF ___

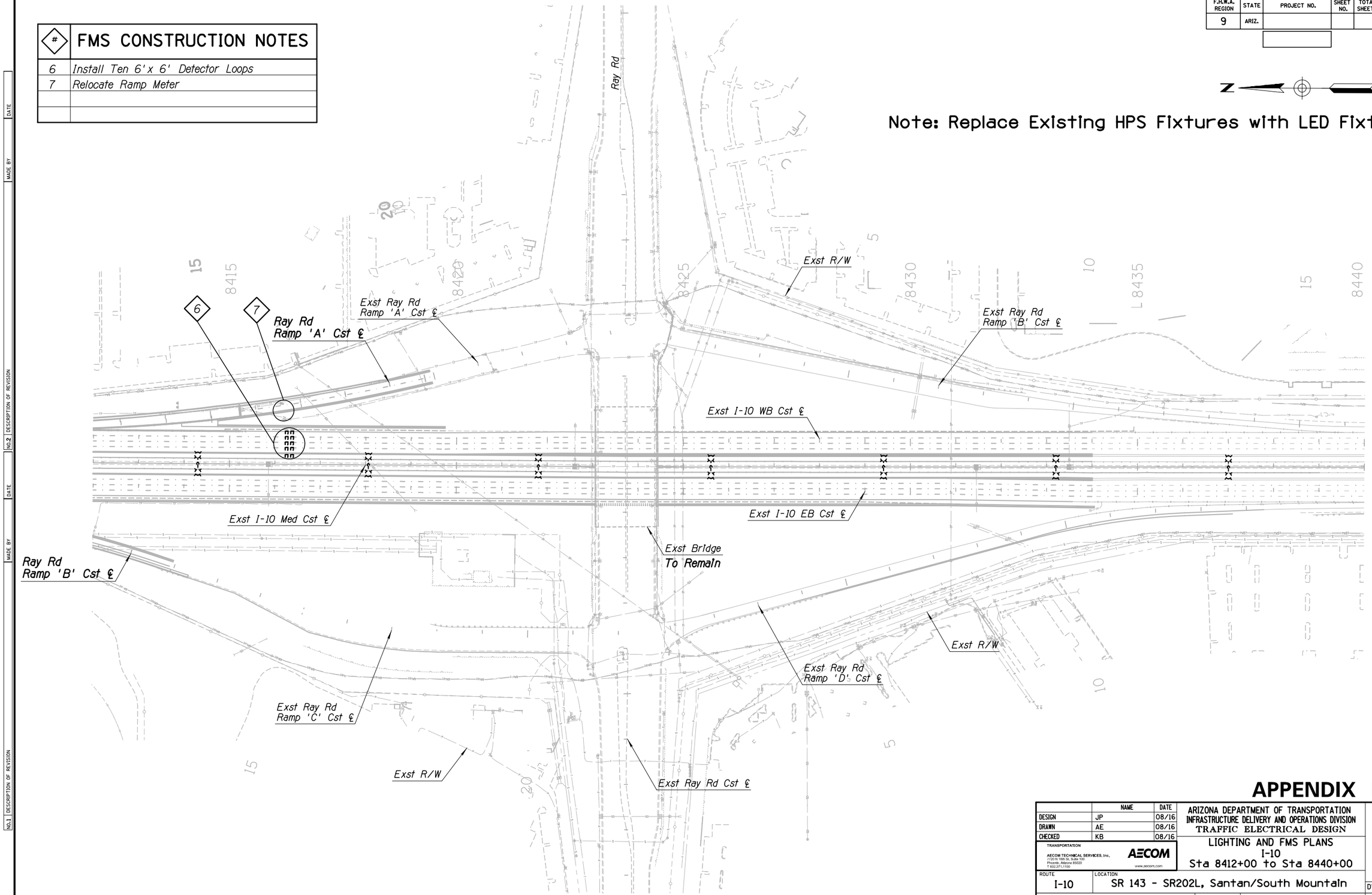
NO.1 DESCRIPTION OF REVISION DATE MADE BY
NO.2 DESCRIPTION OF REVISION DATE MADE BY

8/4/2016 U:\I10-02(Spot)\Prod\ele\o8768p16.dgn

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

#	FMS CONSTRUCTION NOTES
6	Install Ten 6'x 6' Detector Loops
7	Relocate Ramp Meter

Note: Replace Existing HPS Fixtures with LED Fixtures



APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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ARIZONA DEPARTMENT OF TRANSPORTATION
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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
I-10
Sta 8412+00 to Sta 8440+00

DCR

NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION
I-10	SR 143 - SR202L, Santan/South Mountain

DWG NO. T-2.17

TRACS NO. H8768 01L

___ OF ___

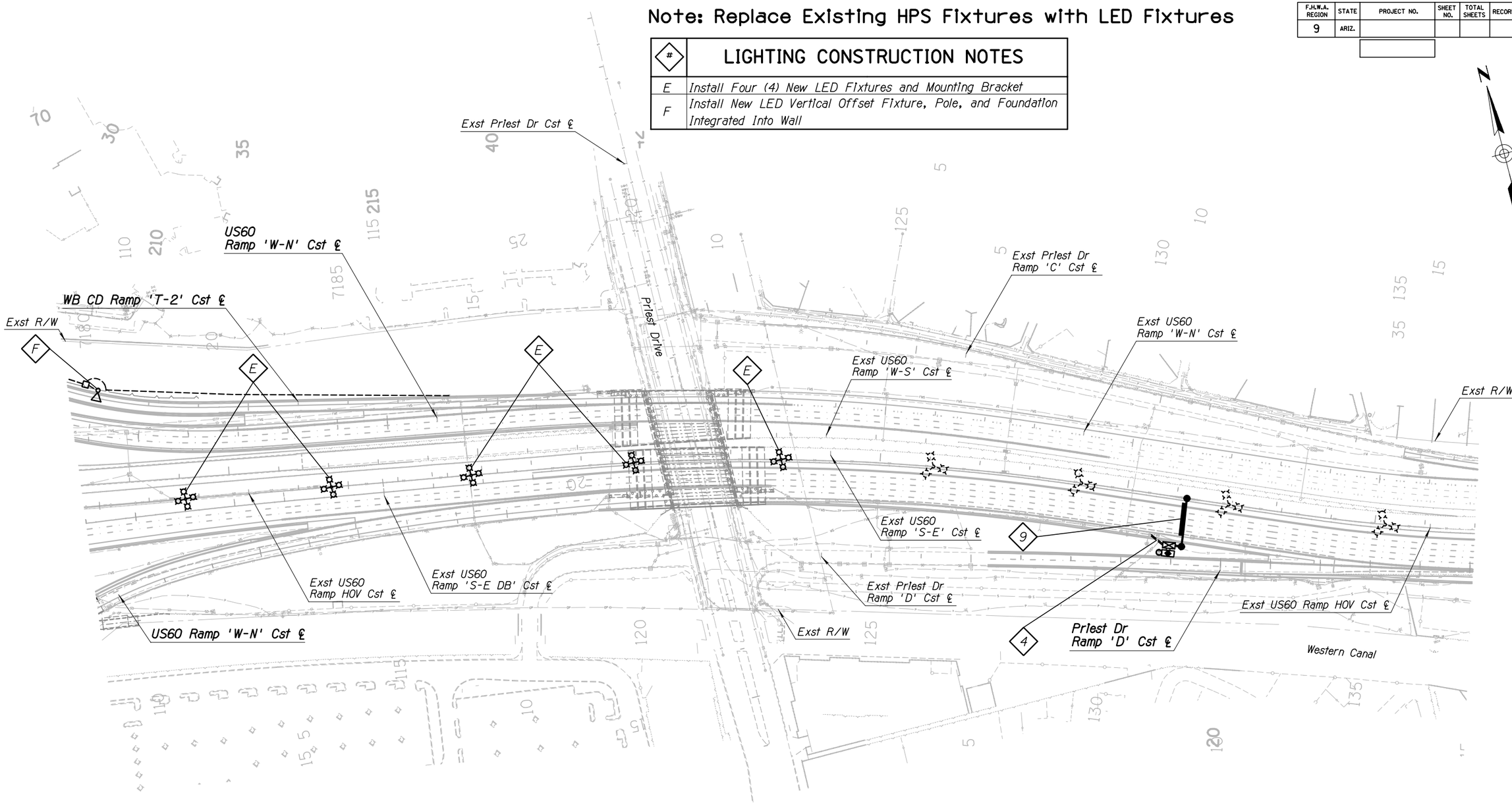
NO. | DESCRIPTION OF REVISION | MADE BY | DATE

8/4/2016 U:\I10-02(Spot)\Prod\ele\o8768p17.dgn

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

Note: Replace Existing HPS Fixtures with LED Fixtures

#	LIGHTING CONSTRUCTION NOTES
E	Install Four (4) New LED Fixtures and Mounting Bracket
F	Install New LED Vertical Offset Fixture, Pole, and Foundation Integrated Into Wall



#	FMS CONSTRUCTION NOTES
4	Install 2-3" Conduits
9	Install New DMS Stucture (DMS #16)

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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TRAFFIC ELECTRICAL DESIGN

LIGHTING AND FMS PLANS
US 60
Sta 109+00 to Sta 137+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

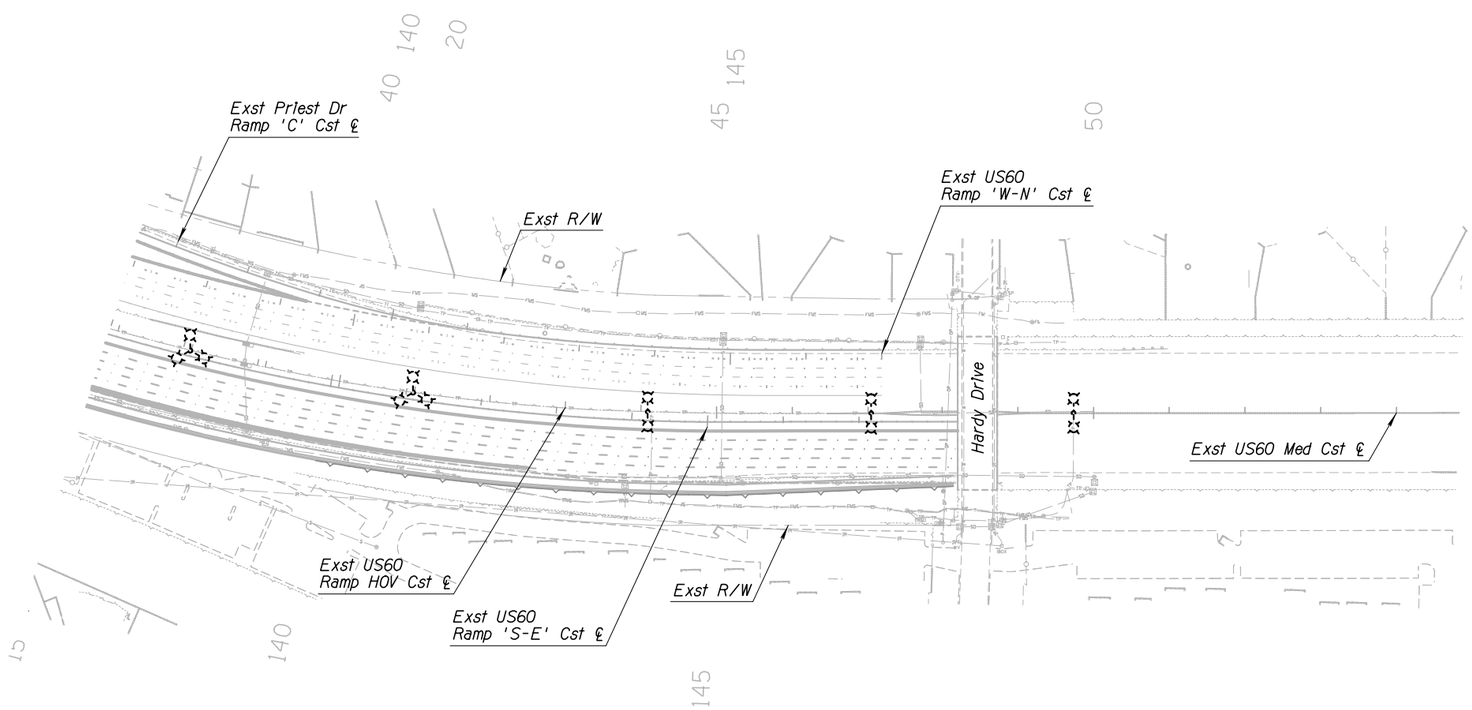
ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR202L, Santan/South Mountain	T-2.18
TRACS NO. H8768 01L		___ OF ___

8/4/2016 U:\110-02(Spot)\Prod\ele\c8768p18.dgn

NO.1 DESCRIPTION OF REVISION MADE BY DATE
NO.2 DESCRIPTION OF REVISION MADE BY DATE

Note: Replace Existing HPS Fixtures with LED Fixtures

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



NO.	DESCRIPTION OF REVISION	MADE BY	DATE
1			
2			

APPENDIX H

	NAME	DATE
DESIGN	JP	08/16
DRAWN	AE	08/16
CHECKED	KB	08/16

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LIGHTING AND FMS PLANS
US 60
Sta 137+00 to Sta 65+00

DCR
NOT FOR CONSTRUCTION OR RECORDING
TRAFFIC ENGINEER

ROUTE	LOCATION	DWG NO.
I-10	SR 143 - SR202L, Santan/South Mountain	T-2.19

TRACS NO. H8768 01L ____ OF ____

8/4/2016 U:\110-02(Spot)\Prod\ele\o8768p19.dgn