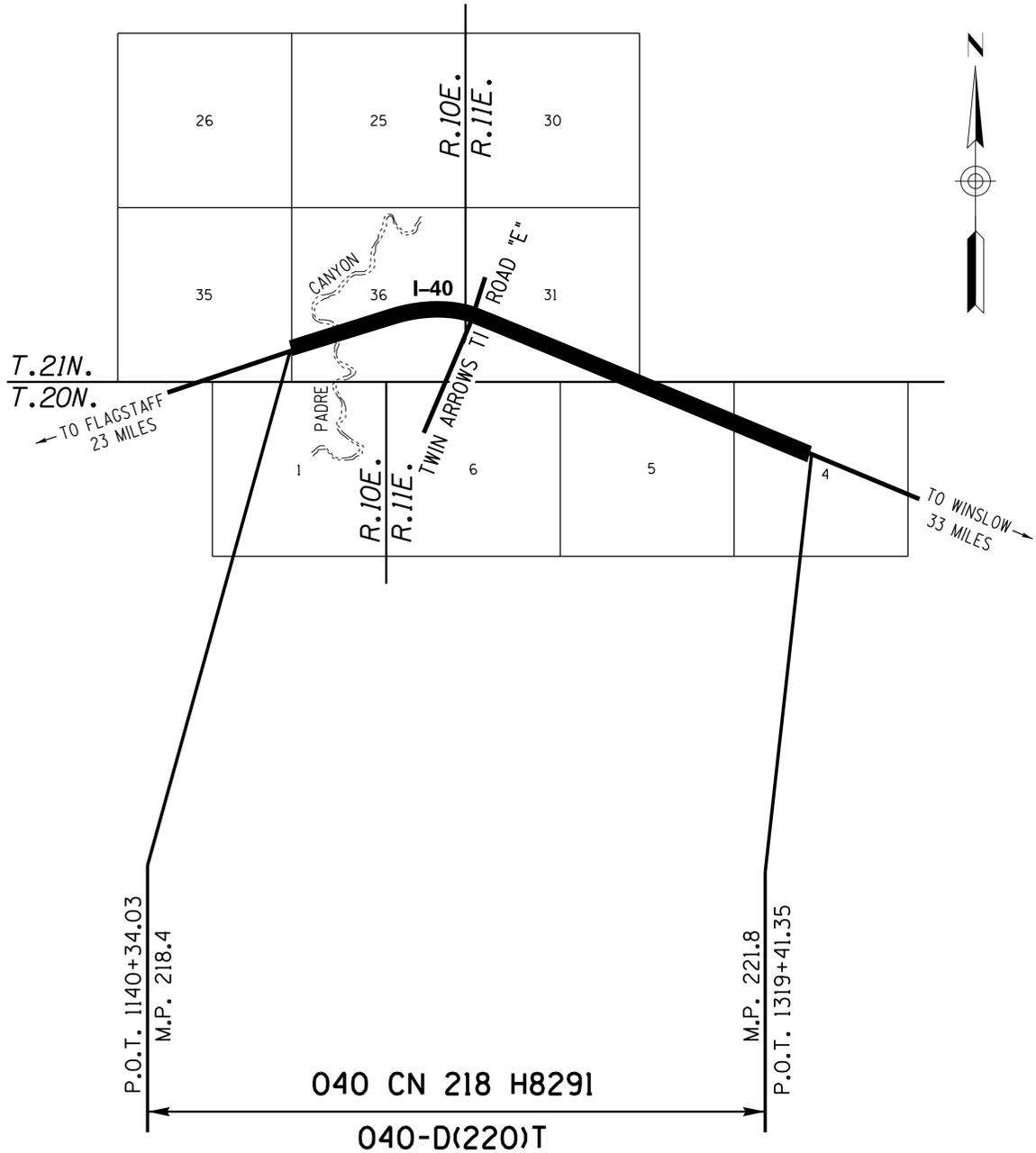


★ PROJECT LOCATION

COUNTY NAME: COCONINO  
 LENGTH OF PROJECT: 3.4 MILES  
 ADOT DISTRICT: FLAGSTAFF (F)  
 DRAWING NUMBER: D-03-T-706

# RIGHT OF WAY PLANS OF THE FLAGSTAFF - HOLBROOK HIGHWAY TWIN ARROWS T.I. EB OFF-RAMP 040 CN 218 H8291 040-D(220)T

ARIZONA DEPARTMENT  
 OF  
 TRANSPORTATION  
 INTERMODAL  
 TRANSPORTATION  
 DIVISION



NOTE: AS OF THE DATE OF THE SEAL OF THIS PLAN SET, ALL INFORMATION SHOWN ON THE R/W PLANS IS ACCURATE AND CAN BE RELIED UPON, EXCEPT FOR THE NEW RIGHT OF WAY AND PROPOSED IMPROVEMENTS.

THE RIGHT OF WAY PLANS WERE COMPLETED BASED ON 30% DESIGN PLANS. THE DESIGN OF THIS PROJECT WAS LATER REVISED TO REMOVE THE NEED FOR ANY NEW R/W. THE SCREENED NEW RIGHT OF WAY SHOWN WAS NOT ACQUIRED AND IS SHOWN ONLY FOR GENERAL REFERENCE PURPOSES.

THESE R/W PLANS ARE ON FILE FOR EXISTING R/W DOCUMENTATION AND FUTURE USE PURPOSES.

SHEET INDEX

COVER SHEET	1
STANDARD ABBREVIATIONS & SYMBOLS	S-1
OWNERSHIP RECORD SHEET	ORS-1
VICINITY MAP SHEET	VM-1
PLAN SHEET	P-1 TO P-2
RESULTS OF SURVEY	RS-1 TO RS-11
TOTAL SHEETS	17

APPROVED IN ACCORDANCE WITH  
 ARIZONA DEPARTMENT OF TRANSPORTATION BOARD  
 RESOLUTION 2015-02-A-011 DATED 2-20-2015

...\\DGN-DWG Files\040rw218.cvr.dgn

Professional Land  
 Surveyor AZ No. 19817  
 Digitally signed by Jim  
 Crume  
 Date: 2015.07.22 12:09:26  
 -07'00'  
 (Expires 6-30-17)  
 ELECTRONIC SEAL  
<http://www.bls.state.az.us/>  
 Certified Federal  
 Surveyor No. 1293  
 (Expires 10-2-15)  
<http://www.cfdos.org/roster.asp>



# RIGHT OF WAY - STANDARD ABBREVIATIONS & SYMBOLS

<p><b>A</b></p> <p>Acres Ahead And Husband And Others And Wife Approximate Avenue</p> <p><b>B</b></p> <p>Back Book Boulevard Brass Cap Bureau of Indian Affairs Bureau of Land Management Bureau of Reclamation</p> <p><b>C</b></p> <p>Calculated Center Centerline Construction Corner County Curve Information   Curve to Spiral   Degree of Curve   Delta   Length of Curve   Point of Compound Curve   Point of Curvature   Point of Intersection   Point of Reverse Curve   Point of Reverse Spiral   Point of Tangent   Point on Curve   Point on Tangent   Point on Semi-Tangent   Radius   Spiral rate of change   Spiral to Curve   Spiral to Tangent   Tangent Length   Tangent to Spiral</p>	<p>Ac. Ahd. et vir et al et ux Approx. Ave.</p> <p>Bk. Bk. Blvd. B.C. B.I.A. B.L.M. B.O.R.</p> <p>(C) Ctr. € Constr. Cor. Co.</p> <p>C.S. D Δ L P.C.C. P.C. P.I. P.R.C. P.R.S. P.T. P.O.C. P.O.T. P.O.S.T. R a S.C. S.T. T T.S.</p>	<p><b>D</b></p> <p>Degrees Department Docket Drainage Easement Drive</p> <p><b>E</b></p> <p>Easement East Electrical Equation Existing</p> <p><b>F</b></p> <p>Federal Feet Flowage Easement Final Order of Condemnation Found</p> <p><b>H</b></p> <p>Highway Highway Easment Deed Homestead Entry Survey</p> <p><b>I</b></p> <p>Inch Irrigation</p> <p><b>J</b></p> <p>Junction</p> <p><b>L</b></p> <p>Lane Left Local Tangent Bearing</p> <p><b>M</b></p> <p>Measured Mile Post Mineral Survey Minutes Miscellaneous Monument</p> <p><b>N</b></p> <p>North Not to Scale Number</p> <p><b>P</b></p>	<p>° Dept. Dkt. DE Dr.</p> <p>Esmt E. Elec. Equa. Exist.</p> <p>Fed. ' FE FOC Fd.</p> <p>Hwy. HED HES</p> <p>In. or " Irr.</p> <p>Jct.</p> <p>Ln. Lt. L.T.B.</p> <p>(M) M.P. M.S. ' Misc. Mon.</p> <p>N. N.T.S. No.</p>	<p>Page Parcel Parkway Place Ponding Easement Public Utility Easement</p> <p><b>Q</b></p> <p>Quit Claim Deed</p> <p><b>R</b></p> <p>Railroad Range Record Right Right of Way Road</p> <p><b>S</b></p> <p>Seconds Section Sheet Slope Easement South Special Warranty Deed Square Square Feet State Route Station Street Subdivision</p> <p><b>T</b></p> <p>Telegraph Telephone Township Temporary Temporary Construction Easement Traffic Interchange</p> <p><b>U</b></p> <p>United States General Land Office</p> <p><b>W</b></p> <p>West Warranty Deed</p>	<p>Pg. Par. Pkwy. Pl. PE PUE</p> <p>QCD</p> <p>R.R. R. (R) Rt. R/W Rd.</p> <p>"</p> <p>Sec. Sht. SE S. SWD Sq. S.F. S.R. Sta. St. Subd.</p> <p>Tlg. Tel. T. Temp. TCE</p> <p>T.I. U.S.G.L.O.</p> <p>W. WD</p>	<p><b>Boundary Lines</b></p> <p>City Limit Line County Line Forest-City Limit Line Forest-Reservation Line Land Grant Boundary Line National-State Boundary Line</p> <p><b>Centerlines</b></p> <p>Exist. Centerline w/ticks Exist. Centerline wo/ticks New Constr. Centerline New Survey Centerline Railroad Centerline Centerline on Results of Survey</p> <p><b>Control Lines</b></p> <p>Exist. Access Control Line New Access Control Line</p> <p><b>Easement Lines</b></p> <p>Exist. Easement Line Exist. Drainage Easement Line New Perpetual Easement Line TCE Line</p> <p><b>Misc. Lines</b></p> <p>Ditch-River Line Meander Line Mining Claim Line</p> <p><b>Property Lines</b></p> <p>Lease Property Line Property Line Subdivision Property/Road Line Additional area to be acquired</p> <p><b>Public Land Survey Lines</b></p> <p>Mid Section Line Section Line Sixteenth (1/16) Line Township-Range Line</p> <p><b>R/W Lines</b></p> <p>Exist. ADOT R/W Line Exist. Non-ADOT R/W Line New R/W Line Railroad R/W Line Railroad-Highway R/W Line</p> <p><b>Topographic Features</b></p> <p>Cut Slope Limit Line Exist. Fence Line Exist. Topo Line Fill Slope Limit Line New Fence Line</p>
---	---	---	---	--	---	---

<p>Break Line </p> <p>Data Circle </p> <p>Data Hex </p> <p>Data Square </p> <p>Dimension Arrow </p> <p>Dimension Tie </p> <p>Exist. ADOT R/W Monument </p> <p>New R/W or Permanent Easement Monument or R/W control point. </p> <p>Centerline Control or Supplemental Monument </p>	<p>Property Anchor Bar </p> <p>Property-Lease &amp; Unpatented Mining Claim Anchor Bar </p> <p>Property Limit Arrow </p> <p>Property-Lease &amp; Unpatented Mining Claim Limit Arrow </p> <p>Parcel Bubble </p> <p>Survey Control Pt or Angle Point </p>	<p><b>SECTION 7 MARICOPA CO.</b></p> <p>North Arrow</p>	<p>MP 1 5</p> <p>Mile Post Marker (approximate location)</p>	<p><math>\frac{31}{6}   \frac{32}{5}</math> Found or Set Section Corner</p> <p><math>\frac{31}{6}   \frac{32}{5}</math> Unfound Section Corner</p>	<p>4-3 Found or Set Quarter Corner</p> <p><math>\frac{4}{9}</math> Unfound Quarter Corner</p>	<p> Found or Set Quarter Corner</p> <p> Unfound Quarter Corner</p>	<p>... \DGN-DWG Files\040rw218_std.dgn</p>
---	--	---	--	--	---	--	--

DRAWING NO.	D-03-T-706	<b>ARIZONA DEPARTMENT OF TRANSPORTATION</b> INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	Professional Land Surveyor AZ No. 19817 Digitally signed by Jim Crume Date: 2015.07.22 12:09:40 -07'00' (Expires 6-30-17) ELECTRONIC SEAL <a href="http://www.blr.state.az.us/">http://www.blr.state.az.us/</a>
SURVEY	SEE D-03-T-706	HIGHWAY NAME:	FLAGSTAFF - HOLBROOK
DRAWN/DATE	R.CRUME/DEC. '14	FEDERAL AID NO.:	040-D(220)T
ADOT REVIEW	HINEMAN	PROJECT NO.:	040 CN 218 H8291
ROUTE NO.:	I-40	LOCATION:	TWIN ARROWS T.I. EB OFF-RAMP
			Certified Federal Surveyor No. 1293 (Expires 10-2-15) <a href="http://www.cfeb.org/register.asp">http://www.cfeb.org/register.asp</a>
			SHEET S-1



BEGIN R/W PLANS PROJECT \*

040 CN 218 H8291

040-D(220)T

P.O.S.T. 1169+36.31

BEGIN CONSTR PROJECT

040 CN 218 H8291 OIC

040-D(220)T

P.C. 120+62.53

END R/W PLANS PROJECT \*

040 CN 218 H8291

040-D(220)T

S.T. 1204+04.69

INDEX TO EXISTING CITY/COUNTY R/W

#	ID.	SEC.	T.	R.	TYPE	BK./DKT.	PAGE	WIDTH	PARCEL NO.
A	31	21N	11E	FEE	1758		91	60'	---
B	31	21N	11E	ESMT	1820		95	60'	---
C	31	21N	11E	ESMT	208-3476704		---	140'	---
D	31	21N	11E	ESMT	2012-3629512		---	VARIES	---
E	31	21N	11E	ESMT	2012-3629512		---	VARIES	---
F	31	21N	11E	ESMT	2009-3516352		---	VARIES	---
G	31	21N	11E	ESMT	2012-3629512		---	VARIES	---
H	31	21N	11E	ESMT	2010-3570616		---	VARIES	---

# Refers to the item number in Existing R/W report dated 11-17-14



COCONINO CO.

INDEX TO EXISTING ADOT R/W

#	ID.	SEC.	T.	R.	TYPE	BK./DKT.	PAGE	WIDTH	PARCEL NO.
1	36&31	21N	10E&11E	ESMT	362	668	VARIES	03-026-L	
2	36	21N	10E	ESMT	*09-982	---	306'	---	
3	36	21N	10E	ESMT	*09-1660	---	100'	---	
4	36	21N	10E	FEE	332	184	VARIES	03-026	
5	36	21N	10E	LEASE	*16-4793	---	10'	03-026-B	
6	36	21N	10E	ESMT	*09-719	---	VARIES	---	
7	36	21N	10E	ESMT	7	215	VARIES	6631	
8	36	21N	10E	ESMT	*9-2325	---	96'	03-39	
9	31	21N	11E	FEE	359	154	VARIES	03-028	
10	31	21N	11E	ESMT	563	89	260'	03-027	
11	31	21N	11E	ESMT	6	494	VARIES	03-029	

# Refers to the item number in Existing R/W report dated 11-17-14

VICINITY MAP

\*- See Results of Survey for Overall R/W Project Limits

CHANGE ORDER REVISIONS				DRAWING NO.	ARIZONA DEPARTMENT OF TRANSPORTATION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	D-03-T-706	INTERMODAL TRANSPORTATION DIVISION	
				SURVEY	RIGHT OF WAY PLANS SECTION	
				DRAWN/DATE	HIGHWAY NAME:	
				ADOT REVIEW	FLAGSTAFF - HOLBROOK	
					FEDERAL AID NO.:	
					040-D(220)T	
					PROJECT NO.:	
					040 CN 218 H8291	
				ROUTE NO.:	TWIN ARROWS T.I. EB OFF-RAMP	
				LOCATION:		



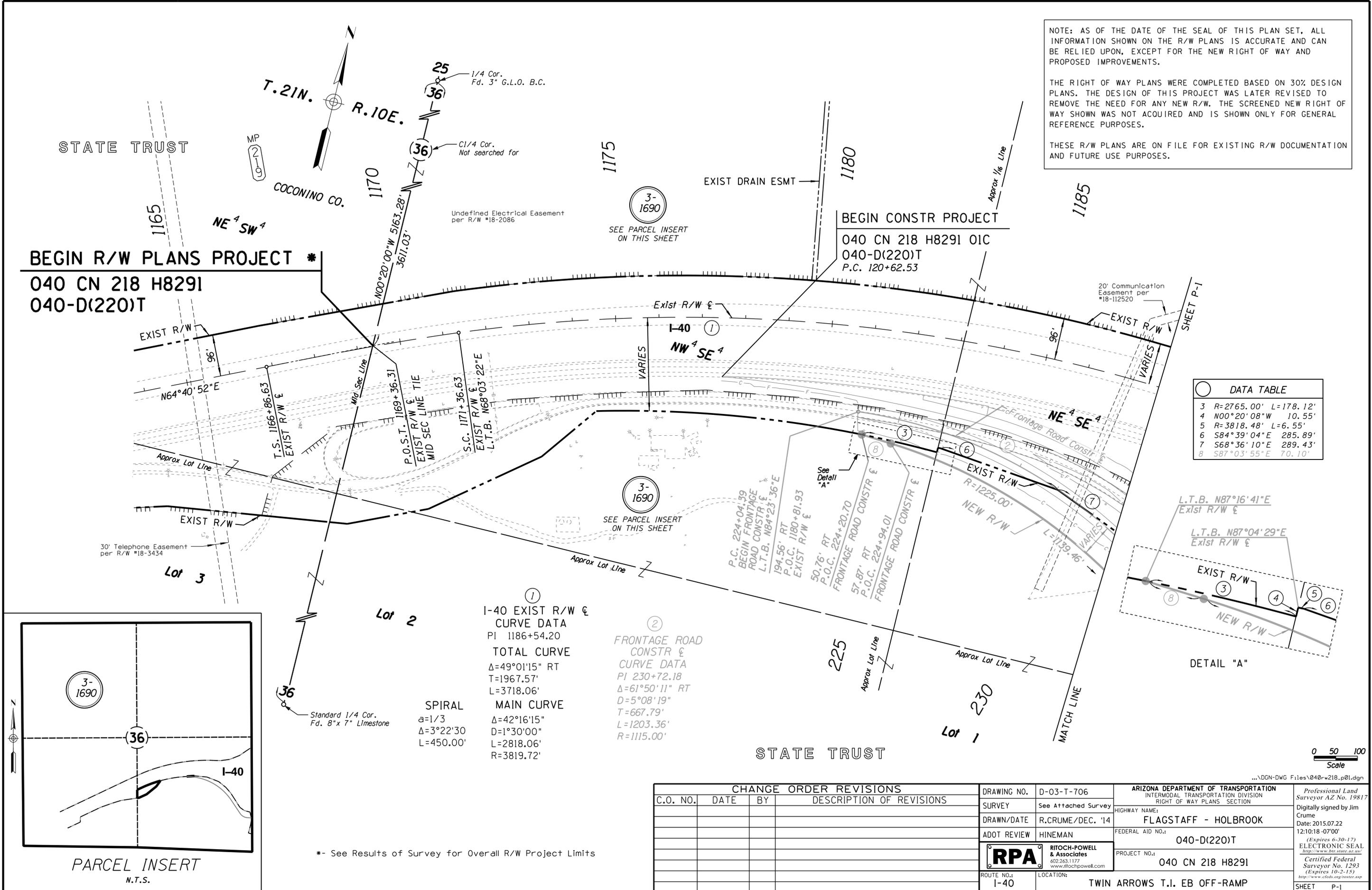
Scale

Professional Land Surveyor AZ No. 19817  
 Digitally signed by Jim Crume  
 Date: 2015.07.22 12:10:06 -0700  
 (Expires 6-30-17)  
 ELECTRONIC SEAL  
<http://www.blr.state.az.us/>  
 Certified Federal Surveyor No. 1293  
 (Expires 10-2-15)  
<http://www.cfcob.org/register.asp>  
 SHEET VM-1

NOTE: AS OF THE DATE OF THE SEAL OF THIS PLAN SET, ALL INFORMATION SHOWN ON THE R/W PLANS IS ACCURATE AND CAN BE RELIED UPON, EXCEPT FOR THE NEW RIGHT OF WAY AND PROPOSED IMPROVEMENTS.

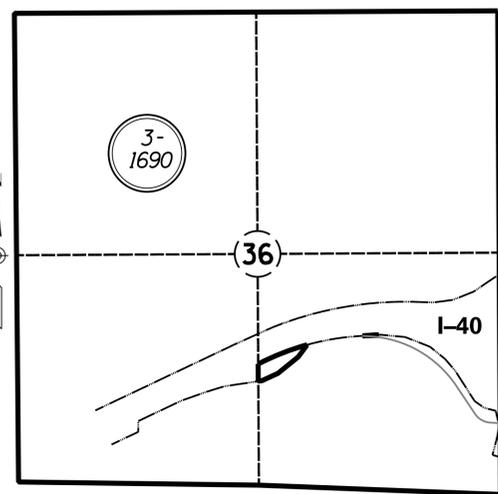
THE RIGHT OF WAY PLANS WERE COMPLETED BASED ON 30% DESIGN PLANS. THE DESIGN OF THIS PROJECT WAS LATER REVISED TO REMOVE THE NEED FOR ANY NEW R/W. THE SCREENED NEW RIGHT OF WAY SHOWN WAS NOT ACQUIRED AND IS SHOWN ONLY FOR GENERAL REFERENCE PURPOSES.

THESE R/W PLANS ARE ON FILE FOR EXISTING R/W DOCUMENTATION AND FUTURE USE PURPOSES.



**DATA TABLE**

3	R=2765.00'	L=178.12'
4	N00°20'08"W	10.55'
5	R=3818.48'	L=6.55'
6	S84°39'04"E	285.89'
7	S68°36'10"E	289.43'
8	S87°03'55"E	70.10'



PARCEL INSERT  
N.T.S.

**1** I-40 EXIST R/W & CURVE DATA  
PI 1186+54.20  
TOTAL CURVE  
Δ=49°01'15" RT  
T=1967.57'  
L=3718.06'

**2** FRONTAGE ROAD CONSTR & CURVE DATA  
PI 230+72.18  
Δ=61°50'11" RT  
D=5°08'19"  
T=667.79'  
L=1203.36'  
R=1115.00'

**3** SPIRAL  
a=1/3  
Δ=3°22'30"  
L=450.00'

**4** MAIN CURVE  
Δ=42°16'15"  
D=1°30'00"  
L=2818.06'  
R=3819.72'

\*- See Results of Survey for Overall R/W Project Limits

**CHANGE ORDER REVISIONS**

C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-03-T-706	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	Professional Land Surveyor AZ No. 19817 Digitally signed by Jim Crume Date: 2015.07.22 12:10:18-0700' (Expires 6-30-17) ELECTRONIC SEAL <a href="http://www.bir.state.az.us/">http://www.bir.state.az.us/</a> Certified Federal Surveyor No. 1293 (Expires 10-2-15) <a href="http://www.cfeb.org/insp.asp">http://www.cfeb.org/insp.asp</a>
SURVEY	See Attached Survey		
DRAWN/DATE	R.CRUME/DEC. '14	HIGHWAY NAME:	FLAGSTAFF - HOLBROOK
ADOT REVIEW	HINEMAN	FEDERAL AID NO.:	040-D(220)T
ROUTE NO.:	I-40	PROJECT NO.:	040 CN 218 H829I
LOCATION:	TWIN ARROWS T.I. EB OFF-RAMP		
			SHEET P-1

0 50 100  
Scale

...\\DGN-DWG Files\040r\218.p01.dgn

STATE TRUST

COCONINO CO.

END R/W PLANS PROJECT \*  
040 CN 218 H8291  
040-D(220)T

END CONSTR PROJECT  
040 CN 218 H8291 OIC  
040-D(220)T

NOTE: AS OF THE DATE OF THE SEAL OF THIS PLAN SET, ALL INFORMATION SHOWN ON THE R/W PLANS IS ACCURATE AND CAN BE RELIED UPON, EXCEPT FOR THE NEW RIGHT OF WAY AND PROPOSED IMPROVEMENTS.

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THESE R/W PLANS ARE ON FILE FOR EXISTING R/W DOCUMENTATION AND FUTURE USE PURPOSES.

FRONTAGE ROAD CONSTR &	
A	P.C. 240+63.38
B	P.T. 242+03.06
C	P.O.T. 242+23.06 60.00' RT
D	P.O.T. 243+07.98 60.00' RT

① I-40 EXIST R/W &  
CURVE DATA  
PI 1186+54.20  
TOTAL CURVE  
Δ=49°01'15" RT  
T=1967.57'  
L=3718.06'  
MAIN CURVE SPIRAL  
Δ=42°16'15" a=1/3  
D=1°30'00" Δ=3°22'30"  
L=2818.06' L=450.00'  
R=3819.72'

② FRONTAGE ROAD CONSTR &  
CURVE DATA  
PI 230+72.18  
Δ=61°50'11" RT  
D=5°08'19" T=667.79'  
L=1203.36' R=1115.00'

③ FRONTAGE ROAD CONSTR &  
CURVE DATA  
PI 241+38.75  
Δ=53°21'15" LT  
D=38°11'50" T=75.37'  
L=139.68' R=150.00'

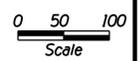
DATA TABLE		
9	S14°53'21"W	156.17'
10	S87°07'28"E	168.55'
11	R=225.00' L=209.52'	
12	S87°07'28"E	84.92'
13	S50°58'01"E	210.90'
14	S40°44'52"E	168.91'
15	S54°34'57"E	121.06'
16	S74°56'51"E	136.35'
17	S12°38'55"E	135.97'

④ ROAD "E" &  
CURVE DATA  
PI 15+14.07  
Δ=17°00'00" LT  
D=4°00'00"  
T=214.07'  
L=425.00'  
R=1432.39'

⑤ ROAD "E" &  
CURVE DATA  
PI 20+94.37  
Δ=12°00'00" RT  
D=6°00'00"  
T=100.37'  
L=200.00'  
R=954.93'

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

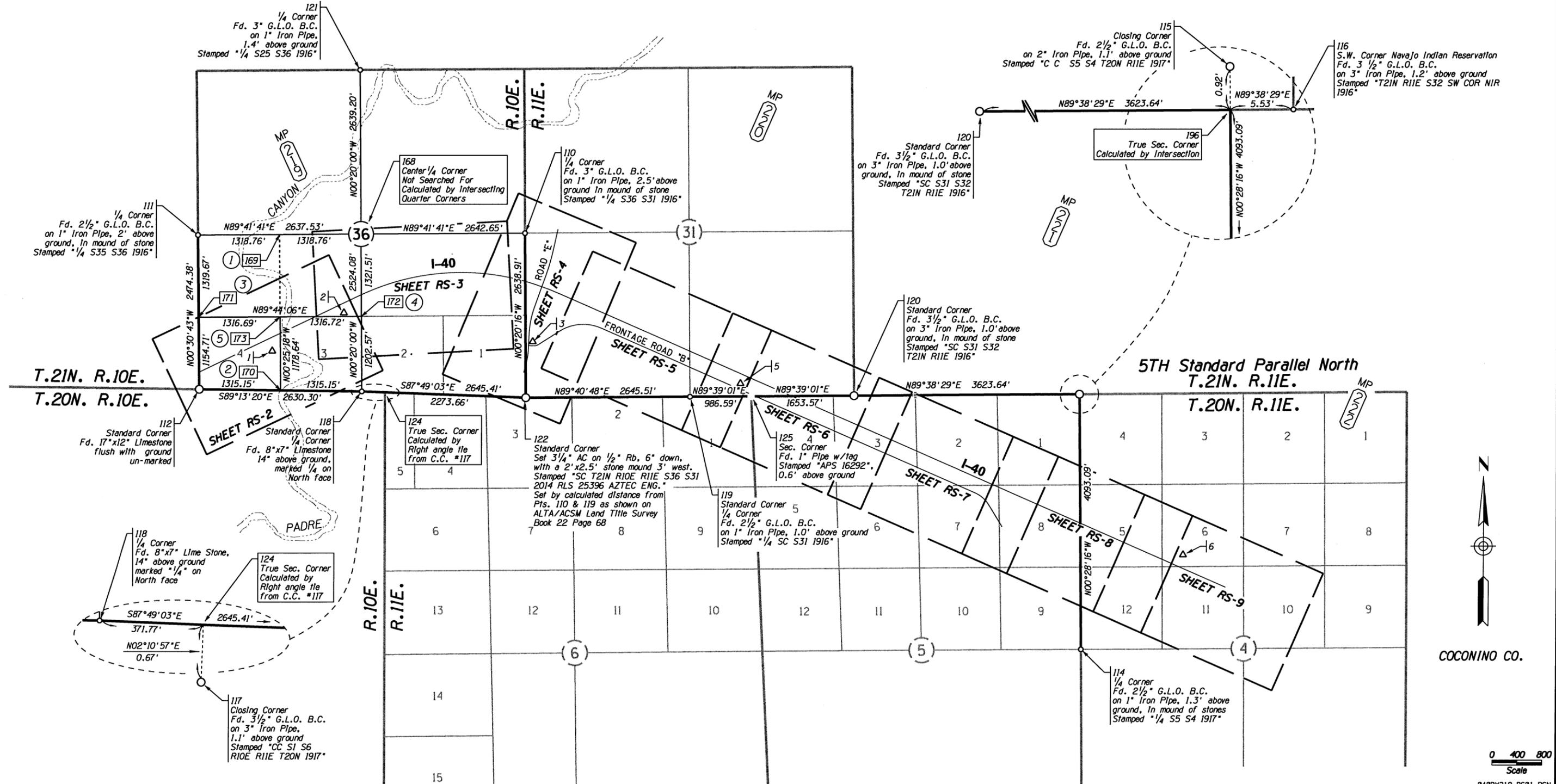
DRAWING NO.	D-03-T-706	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	Professional Land Surveyor AZ No. 19817 Digitally signed by Jim Crume Date: 2015.07.22 12:10:31 -0700 (Expires 6-30-17) ELECTRONIC SEAL <a href="http://www.bir.state.az.us/">http://www.bir.state.az.us/</a> Certified Federal Surveyor No. 1293 (Expires 10-2-15) <a href="http://www.cfeb.org/register.asp">http://www.cfeb.org/register.asp</a>
SURVEY	See Attached Survey		
DRAWN/DATE	R.CRUME/DEC. '14	HIGHWAY NAME:	FLAGSTAFF - HOLBROOK
ADOT REVIEW	HINEMAN	FEDERAL AID NO.:	040-D(220)T
RPA RITCHIE-POWELL & Associates 602.263.1177 www.ritchiepowell.com	PROJECT NO.:	040 CN 218 H8291	
		ROUTE NO.:	1-40
LOCATION:	TWIN ARROWS T.I. EB OFF-RAMP		
SHEET			P-2



\*- See Results of Survey for Overall R/W Project Limits

...\\DGN-DWG Files\040r218.p02.dgn

# RESULTS OF SURVEY SECTIONAL CONTROL & KEY MAP LAYOUT



- ① C-W 1/16 Corner N.S.F. Calculated by Single Proportion
- ② W 1/16 Corner N.S.F. Calculated by Single Proportion
- ③ S 1/16 Corner N.S.F. Calculated by Single Proportion
- ④ C-S 1/16 Corner N.S.F. Calculated by Single Proportion
- ⑤ SW 1/16 Corner N.S.F. Calculated by Intersection

**LEGEND**

302 Set Monument  
 301 Calculated position  
 300 Found Monument  
 Existing ADOT R/W monument  
 S.F.N.F Searched For Not Found      N.S.F. Not Searched For

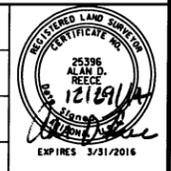
CHANGE ORDER REVISIONS				DRAWING NO.	D-03-T-706	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	July 2014	HIGHWAY NAME: <b>FLAGSTAFF - HOLBROOK</b>	
				DRAWN/DATE	DESAUTELS 08/14	FEDERAL AID NO.:	
				ADOT REVIEW	M. HINEMAN	040-D(220)T	
				<b>AZTEC</b>		PROJECT NO.:	
				ROUTE NO.:		040 CN 218 H8291	
				LOCATION:		Twin Arrows T.I. EB Off-Ramp	
				1-40		SHEET RS-1	

Plotted By: rdesautels at

7:47:57 AM

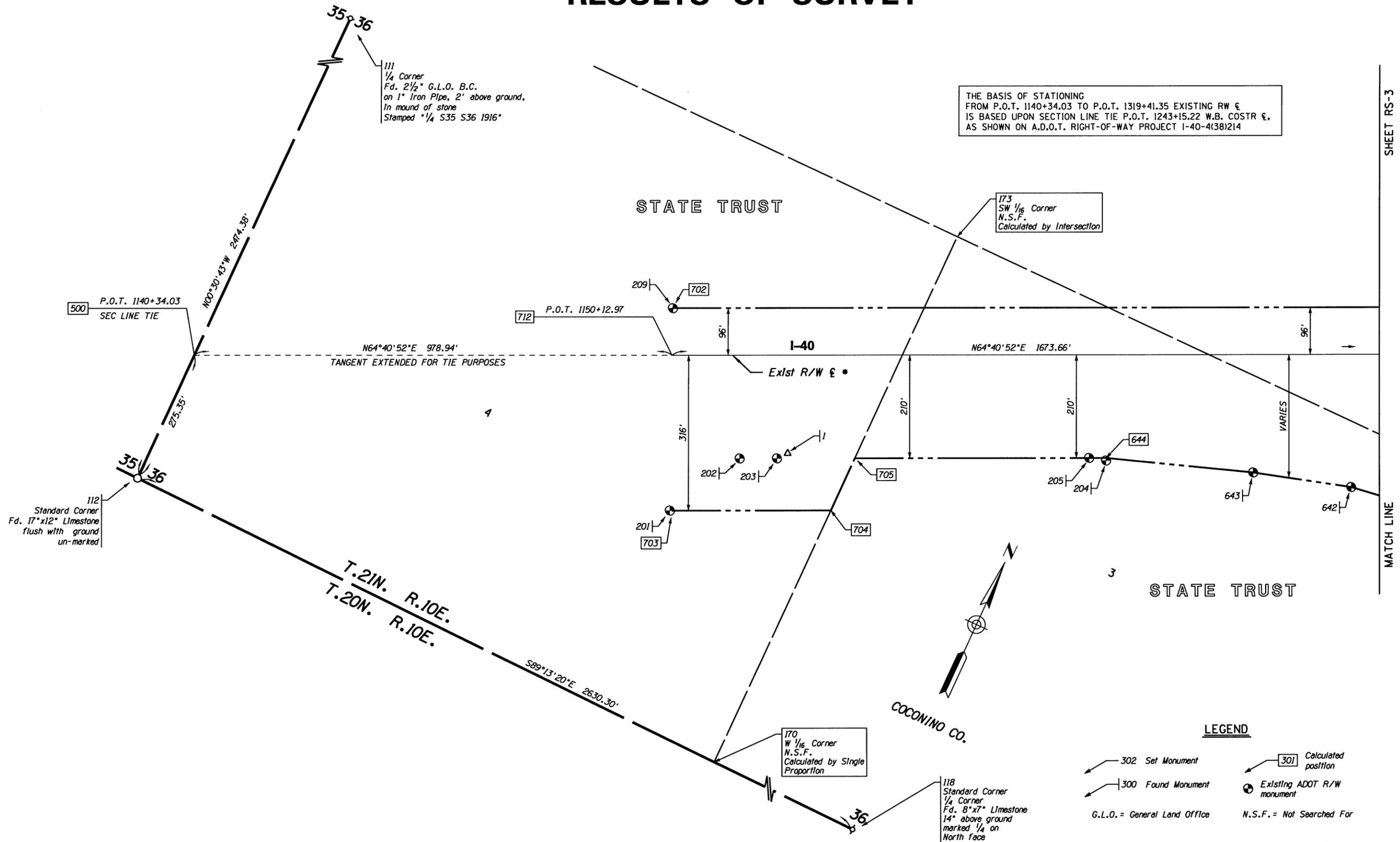
12/22/2014

R:\PHOENIX\PROJECTS\AZS1424-TWINARROWS.TI\CADD\SURVEY\DGN\ROS\040RW218-RS01.DGN



Scale  
0 400 800  
040RW218\_RS01.DGN

# RESULTS OF SURVEY



THE BASIS OF STATIONING FROM P.O.T. 1140+34.03 TO P.O.T. 1319+41.35 EXISTING RW  $\epsilon$  IS BASED UPON SECTION LINE TIE P.O.T. 1243+15.22 W.B. CONSTR  $\epsilon$ , AS SHOWN ON A.D.O.T. RIGHT-OF-WAY PROJECT I-40-4(38)214

111  
1/4 Corner  
Fd. 2 1/2" G.L.O. B.C.  
on 1" Iron Pipe, 2' above ground.  
In mound of stone  
Stamped "1/4 S35 S36 1916"

173  
SW 1/16 Corner  
N.S.F.  
Calculated by Intersection

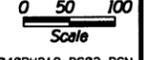
112  
Standard Corner  
Fd. 17"x12" Limestone  
flush with ground  
un-marked

170  
W 1/16 Corner  
N.S.F.  
Calculated by Single Proportion

118  
Standard Corner  
1/4 Corner  
Fd. 8"x7" Limestone  
14" above ground  
marked 1/4 on  
North face

### LEGEND

- 302 Set Monument
- 300 Found Monument
- 301 Calculated position
- Existing ADOT R/W monument
- G.L.O. = General Land Office
- N.S.F. = Not Searched For



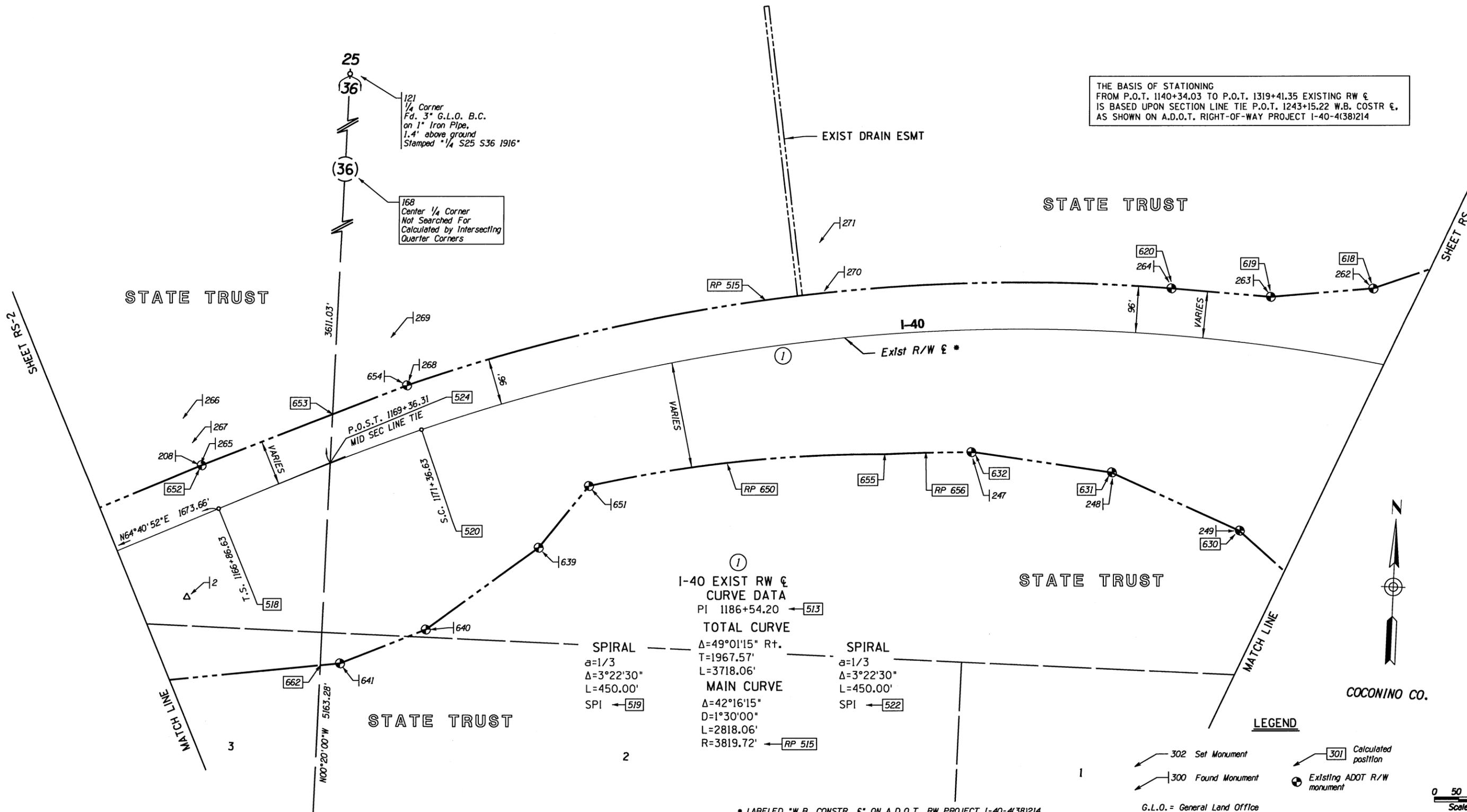
048RW218\_RS02.DGN

\* LABELED "W.B. CONSTR.  $\epsilon$ " ON A.D.O.T. RW PROJECT I-40-4(38)214

CHANGE ORDER REVISIONS				DRAWING NO. D-03-T-706	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION		
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS		SURVEY	July 2014	
				DRAWN/DATE	DESAUTELS 08/14	HIGHWAY NAME:	FLAGSTAFF - HOLBROOK
				ADOT REVIEW	M. HINEMAN	FEDERAL AID NO.:	040-D(220)T
				ROUTE NO.:	I-40	PROJECT NO.:	040 CN 218 H8291
				LOCATION:	Twin Arrows T.I. EB Off-Ramp		

# RESULTS OF SURVEY

THE BASIS OF STATIONING FROM P.O.T. 1140+34.03 TO P.O.T. 1319+41.35 EXISTING RW & IS BASED UPON SECTION LINE TIE P.O.T. 1243+15.22 W.B. CONSTR. & AS SHOWN ON A.D.O.T. RIGHT-OF-WAY PROJECT I-40-4(38)214



**I-40 EXIST RW & CURVE DATA**  
 PI 1186+54.20  
**TOTAL CURVE**  
 Δ=49°01'15" Rt.  
 T=1967.57'  
 L=3718.06'  
**MAIN CURVE**  
 Δ=42°16'15"  
 D=1°30'00"  
 L=2818.06'  
 R=3819.72'  
 SPIRAL  
 a=1/3  
 Δ=3°22'30"  
 L=450.00'  
 SPI ← 519

**LEGEND**  
 302 Set Monument  
 301 Calculated position  
 300 Found Monument  
 Existing ADOT R/W monument  
 G.L.O. = General Land Office

\* LABELED "W.B. CONSTR. &" ON A.D.O.T. RW PROJECT I-40-4(38)214

118  
 Standard 1/4 Corner  
 Fd. 8"x7" Limestone  
 14" above ground  
 marked 1/4 on  
 North face

122  
 Standard Corner  
 Set 3/4" AC on 1/2" Rb. 6" down,  
 with a 2'x2.5' stone mound 3' west.  
 Stamped "SC T2IN RIOE RIIE S36 S31  
 2014 RLS 25396 AZTEC ENG."  
 Set by calculated distance from  
 Pts. 110 & 119 as shown on  
 ALTA/ACSM Land Title Survey  
 Book 22 Page 68

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

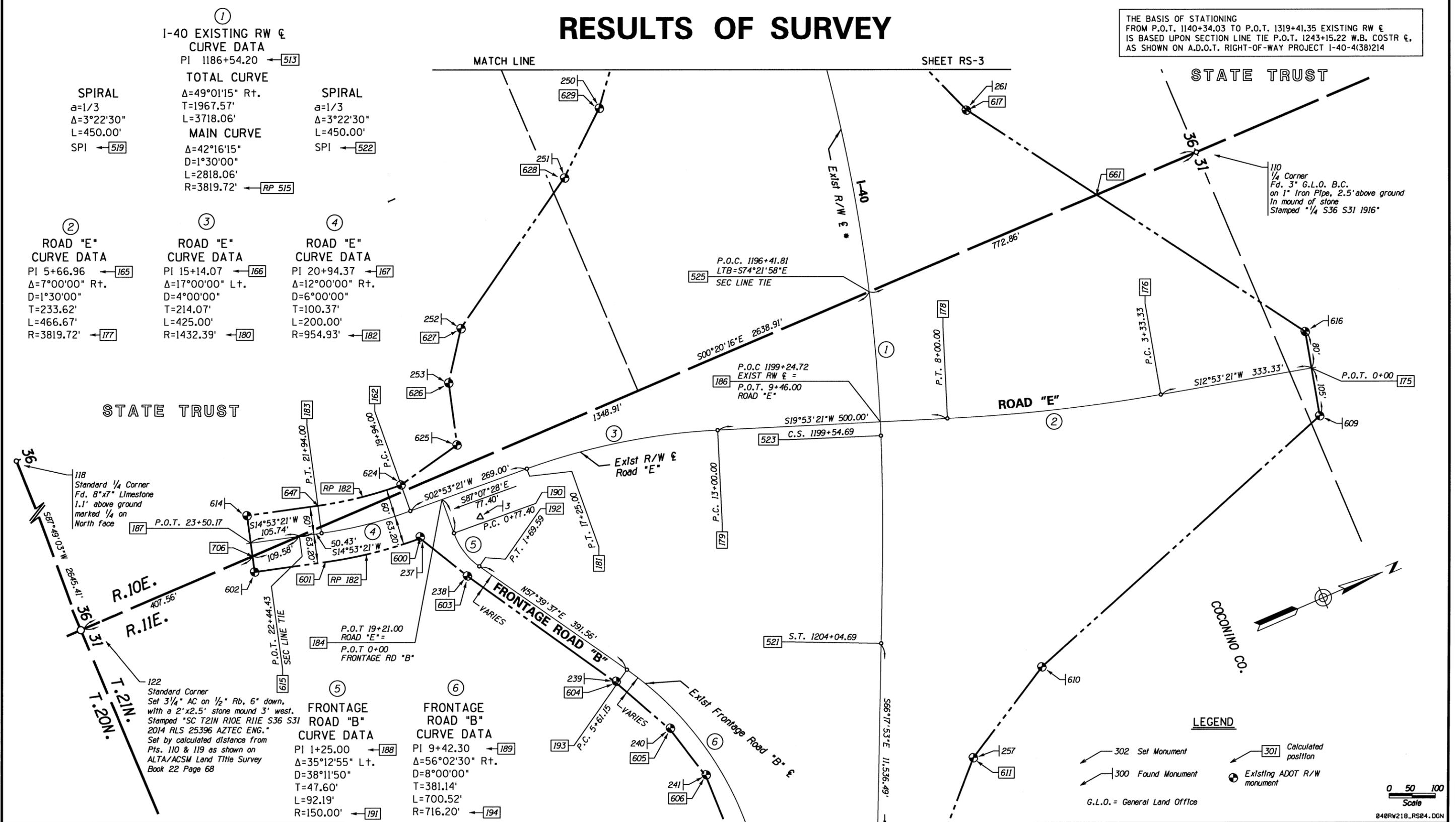
DRAWING NO.	D-03-T-706	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION
SURVEY	July 2014	
DRAWN/DATE	DESAUTELS 08/14	HIGHWAY NAME: FLAGSTAFF - HOLBROOK
ADOT REVIEW	M. HINEMAN	FEDERAL AID NO.:
AZTEC		040-D(220)T
ROUTE NO.:	I-40	PROJECT NO.:
LOCATION:	Twin Arrows T.I. EB Off-Ramp	040 CN 218 H829I

4861 E. McDowell Road  
 Phoenix, AZ 85008-4505  
 Tel: 602 954-0402  
 Fax: 602 954-0403  
 www.aztec.com

25396  
 ALAN D.  
 REECE  
 12/31/14  
 Expires 3/31/2016

# RESULTS OF SURVEY

THE BASIS OF STATIONING FROM P.O.T. 1140+34.03 TO P.O.T. 1319+41.35 EXISTING RW & IS BASED UPON SECTION LINE TIE P.O.T. 1243+15.22 W.B. CONSTR &, AS SHOWN ON A.D.O.T. RIGHT-OF-WAY PROJECT I-40-4(38)214



①  
I-40 EXISTING RW &  
CURVE DATA  
PI 1186+54.20 ← 513  
TOTAL CURVE  
Δ=49°01'15" Rt.  
T=1967.57'  
L=3718.06'  
MAIN CURVE  
Δ=42°16'15"  
D=1°30'00"  
L=2818.06'  
R=3819.72' ← RP 515  
SPIRAL  
a=1/3  
Δ=3°22'30"  
L=450.00'  
SPI ← 519

②  
SPIRAL  
a=1/3  
Δ=3°22'30"  
L=450.00'  
SPI ← 522

②  
ROAD "E"  
CURVE DATA  
PI 5+66.96 ← 165  
Δ=7°00'00" Rt.  
D=1°30'00"  
T=233.62'  
L=466.67'  
R=3819.72' ← 177

③  
ROAD "E"  
CURVE DATA  
PI 15+14.07 ← 166  
Δ=17°00'00" Lt.  
D=4°00'00"  
T=214.07'  
L=425.00'  
R=1432.39' ← 180

④  
ROAD "E"  
CURVE DATA  
PI 20+94.37 ← 167  
Δ=12°00'00" Rt.  
D=6°00'00"  
T=100.37'  
L=200.00'  
R=954.93' ← 182

⑤  
FRONTAGE ROAD "B"  
CURVE DATA  
PI 1+25.00 ← 188  
Δ=35°12'55" Lt.  
D=38°11'50"  
T=47.60'  
L=92.19'  
R=150.00' ← 191

⑥  
FRONTAGE ROAD "B"  
CURVE DATA  
PI 9+42.30 ← 189  
Δ=56°02'30" Rt.  
D=8°00'00"  
T=381.14'  
L=700.52'  
R=716.20' ← 194

118 Standard 1/4 Corner  
Fd. 8"x7" Limestone  
1.1' above ground  
marked 1/4 on  
North face  
P.O.T. 23+50.17  
R.I.O.E.  
R.I.I.E.  
T. 2.0N.  
T. 2.0N.  
122 Standard Corner  
Set 3/4" AC on 1/2" Rb, 6" down,  
with a 2"x2.5" stone mound 3' west.  
Stamped "SC T21N R10E R11E S36 S31  
2014 RLS 25396 AZTEC ENG."  
Set by calculated distance from  
Pts. 110 & 119 as shown on  
ALTA/ACSM Land Title Survey  
Book 22 Page 68

LEGEND  
302 Set Monument  
300 Found Monument  
301 Calculated position  
Existing ADOT R/W monument  
G.L.O. = General Land Office

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

DRAWING NO.	D-03-T-706	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
SURVEY	July 2014	HIGHWAY NAME:	FLAGSTAFF - HOLBROOK
DRAWN/DATE	DESAUTELS 08/14	FEDERAL AID NO.:	040-D(220)T
ADOT REVIEW	M. HINEMAN	PROJECT NO.:	040 CN 218 H8291
ROUTE NO.:	I-40	LOCATION:	Twin Arrows T.I. EB Off-Ramp

040RW218\_RS04.DGN

25396  
ALAN D. REECE  
12/21/14  
EXPIRES 3/31/2016

Plotted By: rdesautels at

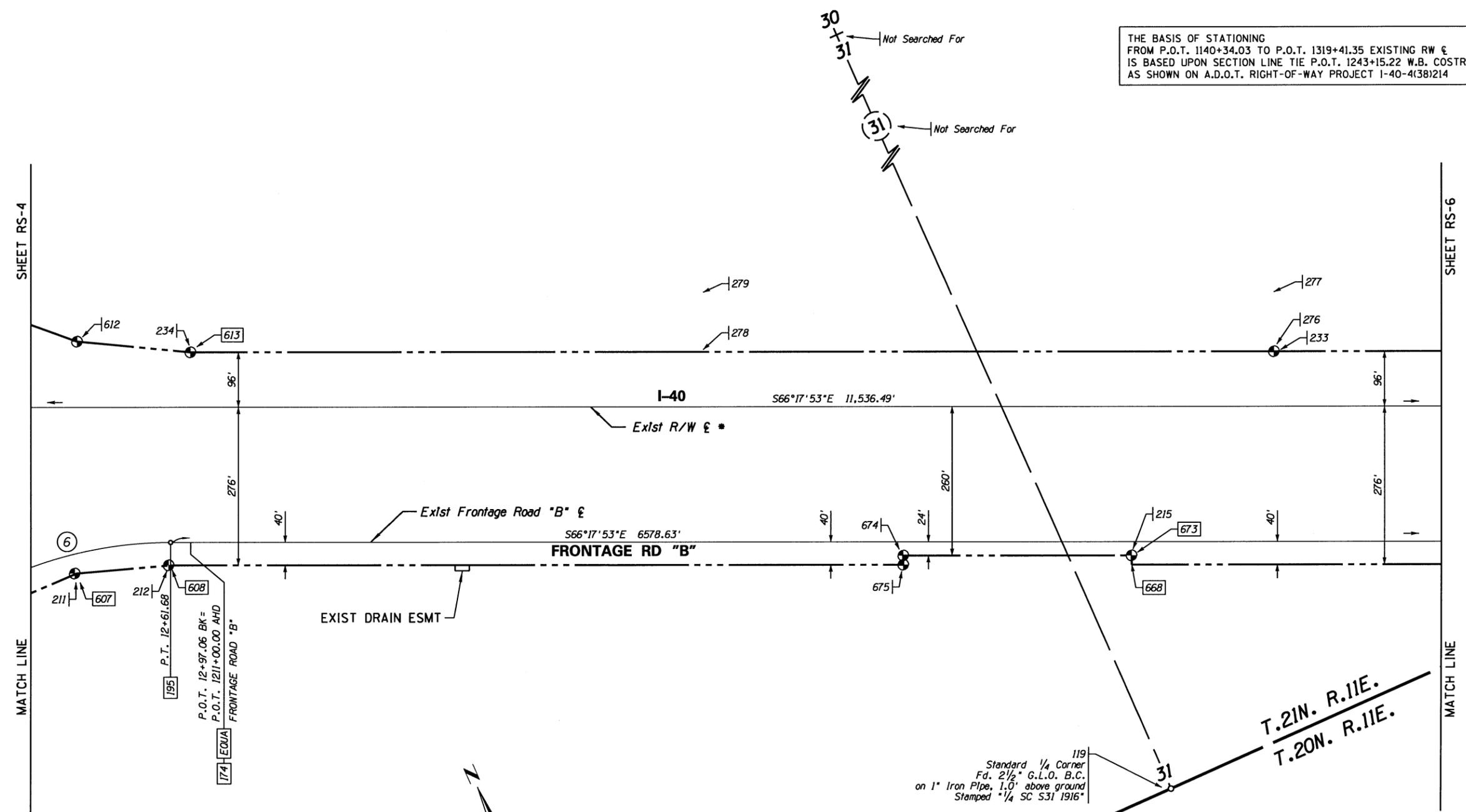
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12/22/2014

R:\PHOENIX\PROJECTS\AZS1424-TWINARROWS.TI\CADD\SURVEY\DGN\ROS\040RW218\_RS04.DGN

# RESULTS OF SURVEY

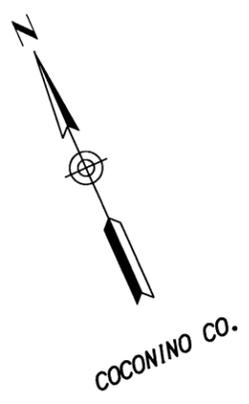
THE BASIS OF STATIONING  
FROM P.O.T. 1140+34.03 TO P.O.T. 1319+41.35 EXISTING RW  $\xi$   
IS BASED UPON SECTION LINE TIE P.O.T. 1243+15.22 W.B. CONSTR  $\xi$ ,  
AS SHOWN ON A.D.O.T. RIGHT-OF-WAY PROJECT 1-40-4(38)214



MATCH LINE

MATCH LINE

⑥  
FRONTAGE ROAD "B"  
CURVE DATA  
PI 9+42.30 ← 189  
 $\Delta=56^{\circ}02'30''$  Rt.  
 $D=8^{\circ}00'00''$   
 $T=381.14'$   
 $L=700.52'$   
 $R=716.20'$  ← 194



5TH Standard Parallel North

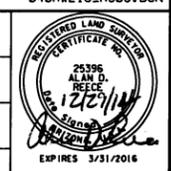
**LEGEND**

- ← 302 Set Monument
  - ← 300 Found Monument
  - ← 301 Calculated position
  - ⊕ Existing ADOT R/W monument
- G.L.O. = General Land Office

0 50 100  
Scale

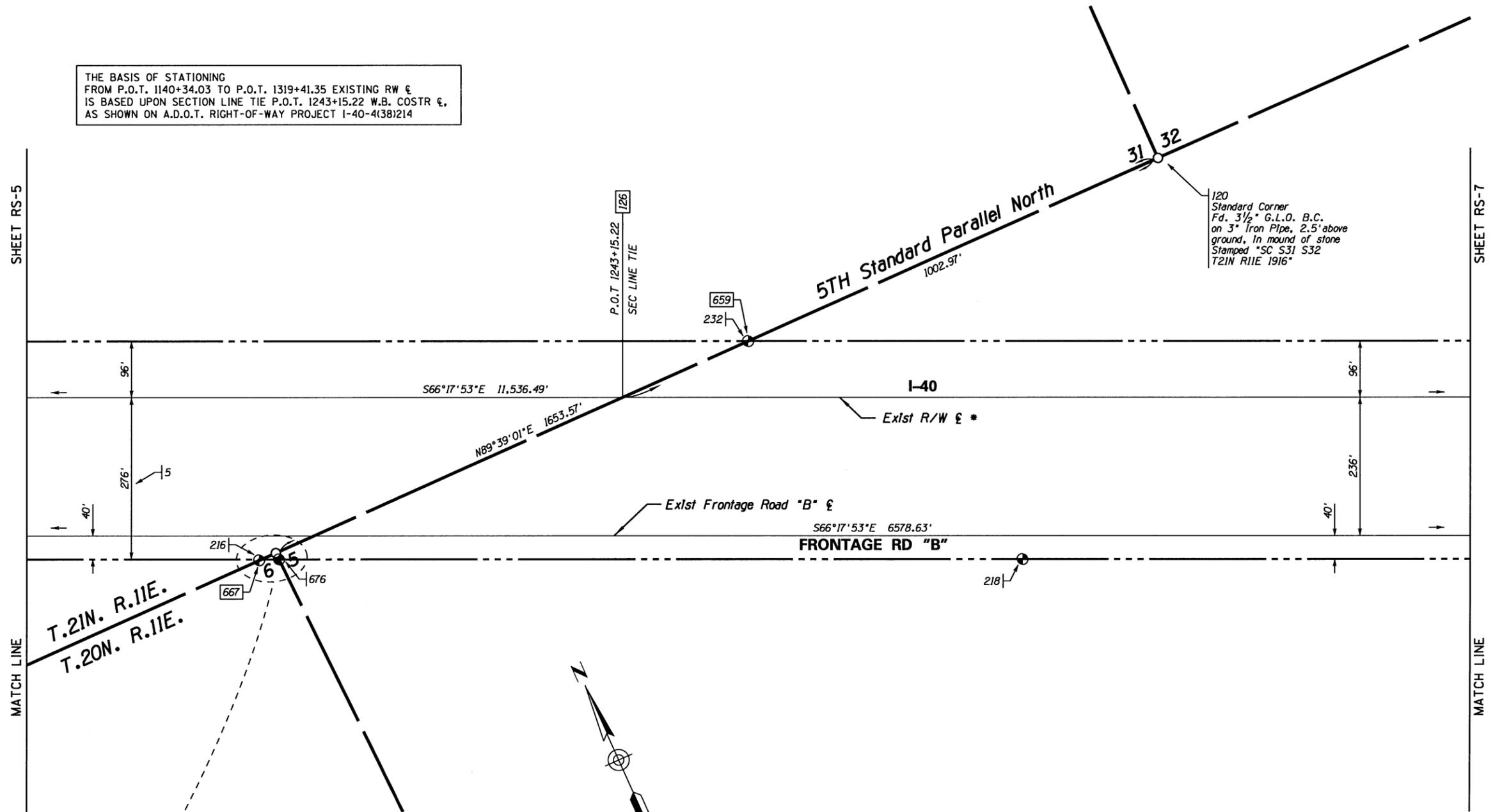
\* LABELED "W.B. CONSTR.  $\xi$ " ON A.D.O.T. RW PROJECT 1-40-4(38)214

CHANGE ORDER REVISIONS				DRAWING NO.	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	D-03-T-706	HIGHWAY NAME: FLAGSTAFF - HOLBROOK	
				SURVEY	JULY 2014	
				DRAWN/DATE	DESAUTELS 08/14	
				ADOT REVIEW	M. HINEMAN	
				ROUTE NO.: 1-40	FEDERAL AID NO.: 040-D(220)T	
				LOCATION:	PROJECT NO.: 040 CN 218 H8291	
					Twin Arrows T.I. EB Off-Ramp	

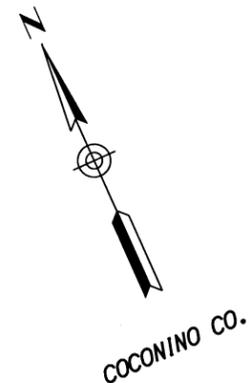


# RESULTS OF SURVEY

THE BASIS OF STATIONING  
FROM P.O.T. 1140+34.03 TO P.O.T. 1319+41.35 EXISTING RW  $\xi$   
IS BASED UPON SECTION LINE TIE P.O.T. 1243+15.22 W.B. COSTR  $\xi$ ,  
AS SHOWN ON A.D.O.T. RIGHT-OF-WAY PROJECT I-40-4(38)214

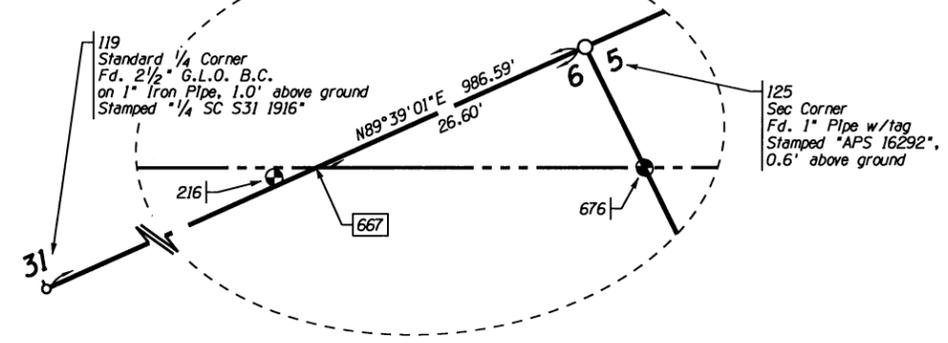


T.21N. R.11E.  
T.20N. R.11E.



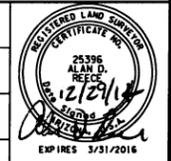
### LEGEND

- $\swarrow$  302 Set Monument
  - $\swarrow$  300 Found Monument
  - $\circ$  301 Calculated position
  - $\odot$  Exstg ADOT R/W monument
- G.L.O. = General Land Office



\* LABELED "W.B. CONSTR.  $\xi$ " ON A.D.O.T. RW PROJECT I-40-4(38)214

CHANGE ORDER REVISIONS				DRAWING NO.	D-03-T-706	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	July 2014	HIGHWAY NAME:	FLAGSTAFF - HOLBROOK
				DRAWN/DATE	DESAUTELS 08/14	FEDERAL AID NO.:	040-D(220)T
				ADOT REVIEW	M. HINEMAN	PROJECT NO.:	040 CN 218 H8291
				ROUTE NO.:	I-40	LOCATION:	Twin Arrows T.I. EB Off-Ramp





# RESULTS OF SURVEY

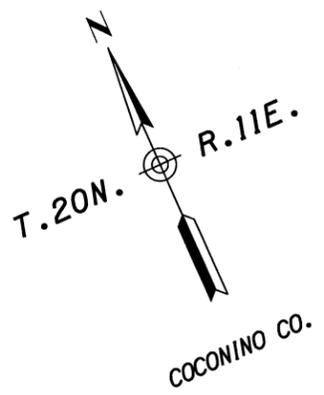
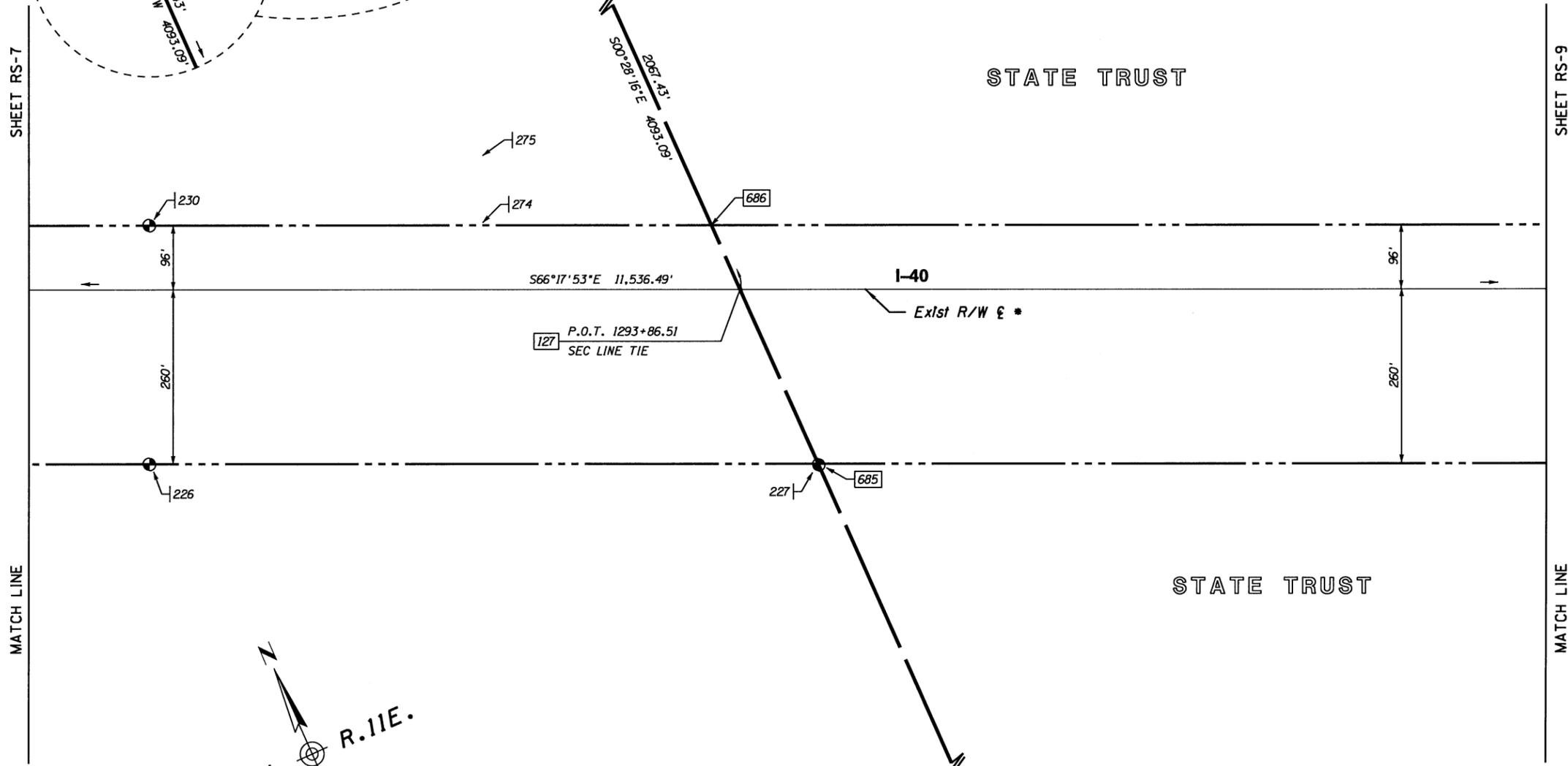
115 Closing Corner  
Fd. 3 1/2" G.L.O. B.C.  
on 2" Iron Pipe, 1.1' above ground  
Stamped "C C S5 S4 T20N R11E 1917"

116 S.W. Corner Navajo Indian Reservation  
Fd. 3 1/2" G.L.O. B.C.  
on 3" Iron Pipe, 1.2' above ground  
Stamped "T21N R11E S32 SW COR NIR 1916"

196 True Sec. Corner  
Calculated by Intersection

196 True Sec. Corner  
Calculated by Intersection

THE BASIS OF STATIONING  
FROM P.O.T. 1140+34.03 TO P.O.T. 1319+41.35 EXISTING RW &  
IS BASED UPON SECTION LINE TIE P.O.T. 1243+15.22 W.B. CONSTR &  
AS SHOWN ON A.D.O.T. RIGHT-OF-WAY PROJECT I-40-4(38)214

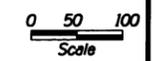


114 1/4 Corner  
Fd. 2 1/2" G.L.O. B.C.  
on 1" Iron Pipe, 1.3' above ground,  
In mound of stones  
Stamped "1/4 S5 S4 1917"

### LEGEND

- ← 302 Set Monument
- ← 300 Found Monument
- ⊙ 301 Calculated position
- ⊙ Existing ADOT R/W monument

G.L.O. = General Land Office



\* LABELED "W.B. CONSTR. &" ON A.D.O.T. RW PROJECT I-40-4(38)214

CHANGE ORDER REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS

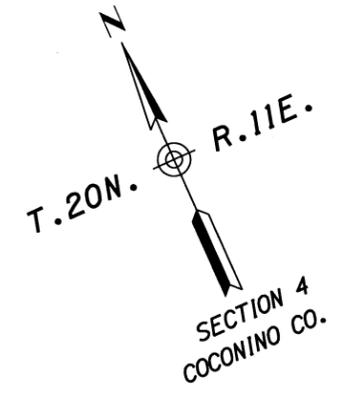
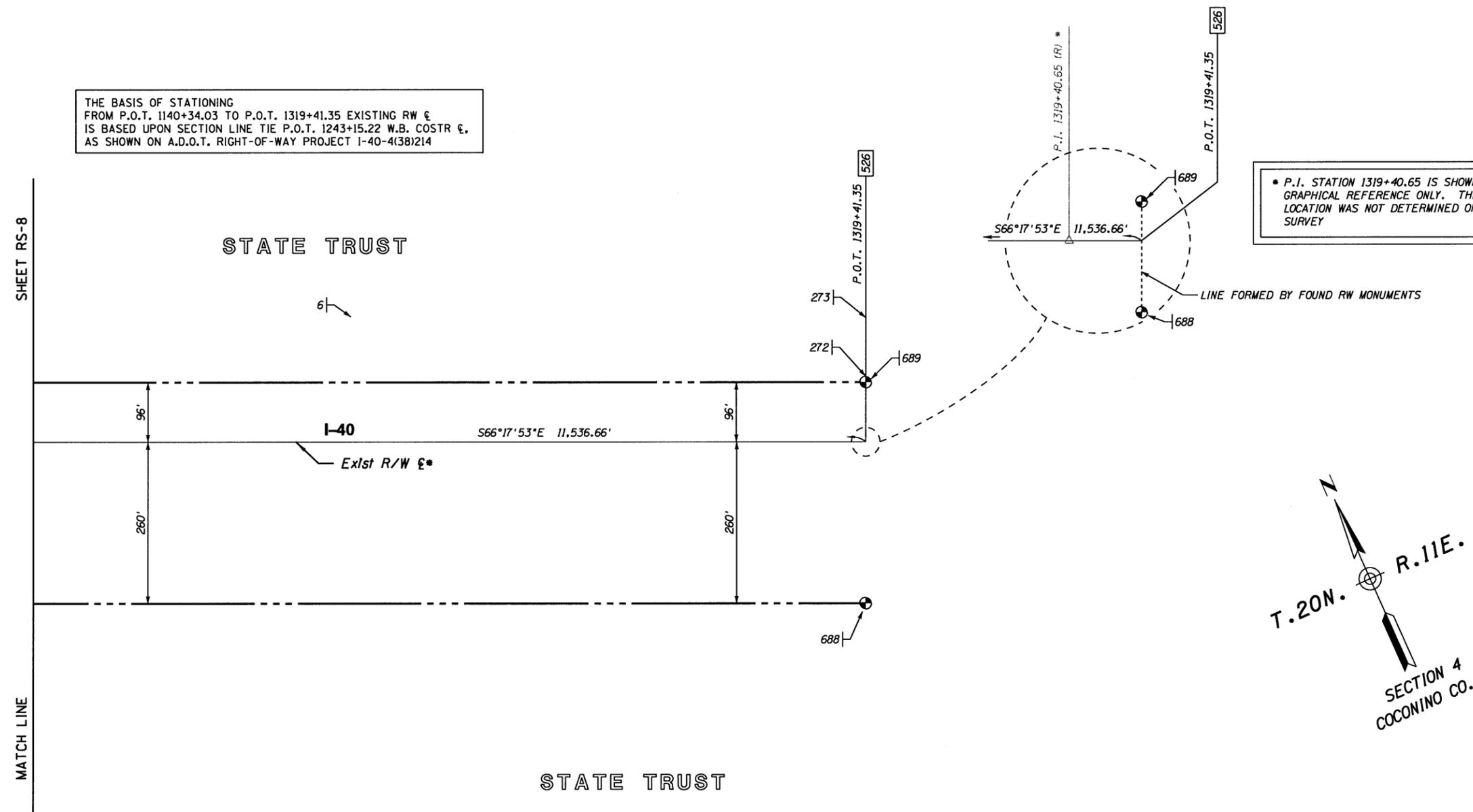
DRAWING NO.	D-03-T-706	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION
SURVEY	July 2014	
DRAWN/DATE	DESAUTELS 08/14	HIGHWAY NAME: FLAGSTAFF - HOLBROOK
ADOT REVIEW	M. HINEMAN	FEDERAL AID NO.:
		040-D(220)T
		PROJECT NO.:
ROUTE NO.:	I-40	040 CN 218 H8291
LOCATION:	Twin Arrows T.I. EB Off-Ramp	

25395  
ALAN D. REESE  
12/27/11  
REGISTERED LAND SURVEYOR  
EXPIRES 3/31/2016

# RESULTS OF SURVEY

THE BASIS OF STATIONING  
FROM P.O.T. 1140+34.03 TO P.O.T. 1319+41.35 EXISTING RW  $\xi$   
IS BASED UPON SECTION LINE TIE P.O.T. 1243+15.22 W.B. CONSTR  $\xi$ .  
AS SHOWN ON A.D.O.T. RIGHT-OF-WAY PROJECT I-40-4(38)214

\* P.I. STATION 1319+40.65 IS SHOWN FOR  
GRAPHICAL REFERENCE ONLY. THE  
LOCATION WAS NOT DETERMINED ON THIS  
SURVEY



### LEGEND

- 302 Set Monument
- 300 Found Monument
- 301 Calculated position
- Existing ADOT R/W monument



040RW218\_RS09.DGN

CHANGE ORDER REVISIONS				DRAWING NO.	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	D-03-T-706	HIGHWAY NAME: FLAGSTAFF - HOLBROOK	
				SURVEY	July 2014	FEDERAL AID NO.:
				DRAWN/DATE	DESAUTELS 08/14	040-D(220)T
				ADOT REVIEW	M. HINEMAN	PROJECT NO.:
						040 CN 218 H829I
				ROUTE NO.:	LOCATION:	
				I-40	Twin Arrows T.I. EB Off-Ramp	



\* LABELED "W.B. CONSTR.  $\xi$ " ON A.D.O.T. RW PROJECT I-40-4(38)214

# RESULTS OF SURVEY

I-40 EXISTING ADOT R/W MONUMENTATION					
PT	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
201	1513963.17685	888496.54318	ADOT BC	1150+08.98	315.82 RT
204	1514435.30668	889259.23399	ADOT BC	1159+00.31	215.21 RT
205	1514425.32679	889225.57381	R. R. RAIL	1158+65.62	209.84 RT
208	1515053.24458	889837.75645	ADOT BC	1166+87.53	95.96 LT
209	1514337.72040	888325.45943	ADOT BC	1150+14.50	95.91 LT
211	1514553.63852	893791.54092	ADOT BC	1208+96.08	289.93 RT
212	1514500.21702	893948.39880	ADOT BC	1210+61.18	275.79 RT
215	1513835.97340	895501.01910	ADOT BC	1227+49.84	259.89 RT
216	1513440.89176	896357.05072	ADOT BC	1236+92.48	277.53 RT
218	1512916.77121	897554.81063	ADOT BC	1249+99.90	275.97 RT
226	1511524.02259	900766.49033	ADOT BC	1285+00.52	260.21 RT
227	1511119.36290	901684.81204	ADOT BC	1295+04.05	261.59 RT
230	1511850.39619	900909.42595	ADOT BC	1285+00.21	96.09 LT
231	1512602.91189	899194.92281	ADOT BC	1266+27.83	95.93 LT
232	1513446.20032	897273.93563	ADOT BC	1245+29.89	95.89 LT
233	1514061.43392	895872.89327	ADOT BC	1229+99.72	96.04 LT
234	1514825.18266	894133.07866	ADOT BC	1210+99.65	96.00 LT
*237	1514181.50381	892857.01857	ADOT BC	* 19+92.50	60.07 LT
*238	1514243.28757	892974.96752	ADOT BC	* 19+24.85	174.76 LT
239	1514453.45480	893310.84700	ADOT BC	1204+96.20	574.89 RT
240	1514523.20205	893450.67101	ADOT BC	1205+96.19	454.82 RT
241	1514556.30813	893574.32919	ADOT BC	1206+96.11	374.80 RT
247	1515163.96437	891424.70116	ADOT BC	1182+87.59	251.39 RT
248	1515137.66906	891716.99229	ADOT BC	1186+00.83	289.58 RT
249	1515031.78568	891986.41461	ADOT BC	1189+00.78	384.79 RT
250	1514898.91156	892150.14220	ADOT BC	1191+00.71	499.81 RT
251	1514770.75839	892260.57737	ADOT BC	1192+50.99	609.93 RT
252	1514437.18327	892475.13085	ADOT BC	1196+00.96	889.96 RT
253	1514366.99680	892573.61977	ADOT BC	1197+50.78	930.00 RT
257	1515105.99152	893764.89450	ADOT BC	1206+49.64	205.12 LT
261	1515633.39870	892463.18109	ADOT BC	1193+00.67	274.93 LT
262	1515543.06217	892235.04487	ADOT BC	1191+00.61	149.92 LT
263	1515515.25966	892024.34119	ADOT BC	1189+00.51	100.17 LT
264	1515522.07913	891819.31293	ADOT BC	1187+00.52	96.20 LT
*602	1513818.62720	892787.04940	ADOT BC	* 23+50.17	63.20 LT
*609	1516085.90733	893372.52887	ADOT BC	* 0+00.00	105.00 LT
610	1515318.92024	893640.28098	ADOT BC	1204+49.95	350.00 LT
612	1514922.85508	893957.86245	ADOT BC	1208+99.95	115.00 LT
*614	1513850.28352	892667.98589	ADOT BC	* 23+50.17	60.00 RT
*616	1516127.17461	893192.19026	CONC	* 0+00.00	80.00 RT
*624	1514186.05343	892737.02379	ADOT BC	* 19+94.00	60.00 RT
*625	1514331.87648	892704.29857	ADOT BC	* 18+50.01	100.03 RT
639	1514921.03503	890543.53785	CONC	1173+00.68	304.96 RT
640	1514740.49293	890319.70521	ADOT BC	1170+00.64	390.02 RT
641	1514661.53661	890146.53592	ADOT BC	1168+00.60	390.03 RT
642	1514599.71557	889734.90232	ADOT BC	1164+00.60	270.02 RT
643	1514541.30965	889541.27958	ADOT BC	1162+00.60	240.01 RT
651	1515053.24477	890640.16636	NA IL	1174+43.77	210.02 RT
654	1515239.92257	890253.42012	ADOT BC	1171+37.58	96.00 LT
674	1513996.54788	895134.96826	ADOT BC	1223+50.12	260.00 RT
675	1513981.89750	895128.53659	ADOT BC	1223+50.12	276.00 RT
676	1513428.63187	896388.79446	ADOT BC	1237+26.48	276.00 RT
677	1512193.10140	899203.15129	ADOT BC	1268+00.10	276.00 RT
678	1512189.43880	899201.54337	ADOT BC	1268+00.10	280.00 RT
**680	1511854.17589	899975.17378	ADOT BC	** 1276+43.24	40.00 RT
**681	1511672.64631	900182.51912	ADOT BC	** 1279+47.59	40.00 RT
684	1511763.86841	900220.68404	ADOT BC	1279+04.34	260.00 RT
688	1510141.07663	903917.16521	ADOT BC	1319+41.35	260.00 RT
689	1510467.04764	904060.26971	ADOT BC	1319+41.35	96.00 LT

ALL STATIONS AND OFFSETS ARE FROM THE EXISTING R/W & UNLESS OTHERWISE NOTED

- \* DENOTES STATION & OFFSET FROM ROAD 'E' &
- \*\* DENOTES STATION & OFFSET FROM FRONTAGE ROAD 'B' &

SECTION CORNERS			
PT	NORTHING	EASTING	DESCRIPTION
110	1516058.78591	892740.63018	G. L. O. BC
111	1516030.65214	887460.53142	G. L. O. BC
112	1513556.37552	887482.64296	STONE
114	1509380.54640	901698.99456	G. L. O. BC
115	1513474.41615	901665.33606	G. L. O. BC
116	1513473.53028	901670.87198	G. L. O. BC
117	1513505.84141	890484.18219	G. L. O. BC
118	1513520.67057	890112.70299	STONE
119	1513434.69853	895401.65796	G. L. O. BC
120	1513450.80916	898041.77293	G. L. O. BC
121	1518683.86243	890082.66641	G. L. O. BC
122	1513419.92178	892756.18923	SET 3/4" AC RLS 25396
124	1513506.51272	890484.18219	CALC TRUE CORNER
125	1513440.71886	896388.23336	I. P. * APS 16292"
196	1513473.49567	901665.34363	CALC TRUE CORNER

CALCULATED POINTS					
PT	NORTHING	EASTING	PT	NORTHING	EASTING
122	1513419.92178	892756.18923	524	1515072.89552	890103.67301
124	1513506.51272	890484.18219	525	1515285.93463	892745.18700
126	1513444.68891	897038.82205	526	1510379.14534	904021.67973
127	1511406.13827	901682.34079	600	1514179.84357	892860.06719
154	1511345.86759	900428.00076	601	1513969.55301	892827.17718
155	1511827.65518	900135.09176	603	1514243.13418	892975.16333
156	1511890.80185	899991.25294	604	1514451.96688	893313.75113
157	1511434.60340	899790.97731	605	1514521.64913	893453.55796
158	1511693.42591	900216.69818	606	1514554.70232	893577.27881
162	1514183.02915	892796.94753	607	1514552.13697	893794.57367
165	1515556.65679	893143.70527	608	1514498.68401	893951.37296
166	1514665.48795	892821.29665	611	1515105.75779	893765.12324
167	1514082.78957	892791.88855	613	1514825.06179	894133.35399
168	1516044.70538	890098.01956	615	1513937.05188	892753.14017
169	1516037.67876	888779.27549	617	1515633.65797	892462.40036
170	1513538.52305	888797.67298	618	1515543.26932	892234.35017
171	1514711.03941	887472.32423	619	1515515.15321	892023.73860
172	1514723.22022	890105.70722	620	1515521.89934	891818.69955
173	1514717.12973	888788.99669	626	1514367.28713	892572.62698
174	1514521.04645	893999.94231	627	1514437.44505	892473.96903
175	1516109.32930	893270.17453	628	1514770.91903	892259.27250
176	1515784.39422	893195.81892	629	1514898.88362	892149.01983
177	1516636.44493	889472.34477	630	1515031.70184	891985.19635
178	1515336.96793	893064.22585	631	1515137.29508	891715.71576
179	1514866.79178	892894.12471	632	1515163.94582	891431.07066
180	1514379.48790	894241.08014	644	1514440.14071	889257.26004
181	1514451.68727	892810.20932	647	1514001.29932	892708.11368
182	1514231.16206	891843.23166	650	1512388.67249	891377.81011
183	1513985.79229	892766.09915	652	1515052.89882	889836.92613
184	1514255.93708	892800.62710	653	1515172.43562	890103.09394
186	1515199.67906	893014.55725	655	1515150.34329	891246.51605
187	1513834.86648	892725.97136	656	1511350.11237	891619.38930
188	1514249.66622	892925.46971	659	1513446.12626	892774.36646
189	1514688.48336	893618.54564	661	1515822.75057	892742.02187
190	1514252.05440	892877.92484	662	1514655.46396	890106.10139
191	1514401.86553	892885.44988	667	1513440.55653	896361.63185
192	1514275.13185	892965.69060	668	1513821.10596	895494.79618
193	1514484.59468	893296.52009	673	1513835.75634	895501.27784
194	1513879.48359	893679.64279	679	1511850.51330	899973.56587
195	1514535.27134	893967.54009	682	1511366.95734	900368.36668
196	1513473.49567	901665.34363	683	1511408.51655	900436.72480
500	1513831.71911	887480.18233	685	1511121.15804	901684.68380
513	1515807.56139	891656.54580	686	1511511.36174	901681.47567
515	1511607.53259	891715.81390	687	1511387.73694	900402.54574
518	1514966.12042	889877.98109	702	1514337.14838	888324.03515
519	1515094.44051	890149.21294	703	1513964.72444	888500.22938
520	1515150.51376	890288.39140	704	1514103.47776	888793.51407
521	1515016.64139	893458.14534	705	1514220.33498	888792.65383
522	1515137.25701	893183.40067	706	1513827.47112	892753.78627
523	1515189.38072	893042.69540	712	1514250.36998	888365.09011

## GENERAL NOTES

TWO NGS CONTROL STATIONS (V341 & U341) AND 2 ADOT P&M CONTROL STATIONS (O504 & R504) WERE USED TO ESTABLISH THE CONTROL BASELINE FOR THIS SURVEY AND THEY ARE AS FOLLOWS:

V341 F00200 NAD 83(2007) 35°09'31.59031"(N) 111°17'11.14037"(W)  
GRID COORDINATES N 1513678.25400 E 888374.80780  
GROUND COORDINATES (PT. 1) N 1514170.80468 E 888663.88483

U341 F00199 NAD 83(2007) 35°09'47.11950"(N) 111°18'39.16644"(W)  
GRID COORDINATES N 1515202.85100 E 881056.68320  
GROUND COORDINATES (PT. 4) N 1515695.89778 E 881343.37891

O504 F00540 NAD 83(2007) 35°09'25.91841"(N) 111°15'40.26256"(W)  
GRID COORDINATES N 1513153.57800 E 895923.93440  
GROUND COORDINATES (PT. 5) N 1513645.95795 E 896215.46791

R504 F00539 NAD 83(2007) 35°08'58.28212"(N) 111°14'14.70953"(W)  
GRID COORDINATES N 1510407.19600 E 903046.40270  
GROUND COORDINATES (PT. 6) N 1510898.68228 E 903340.25386

THE FOLLOWING PARAMETERS WERE SET FOR THE BASIS OF THIS SURVEY:

SYSTEM: UNITED STATES STATE PLANE 1983 (2007)  
ZONE: ARIZONA CENTRAL DATUM: WGS-84  
GEOID MODEL: GEOID09 (CONTINENTAL US)

UNITS = INTERNATIONAL FEET (1 FOOT = 0.3048 METERS EXACTLY)

DIRECT SATELLITE MEASUREMENTS WERE MADE ON EACH POINT ON THE NORTH AMERICAN DATUM OF 1983 WITH AUTOMATIC TRANSLATIONS MADE TO THE STATE PLANE GRID SYSTEM.

GPS CALIBRATION AND TRANSLATION TO THE SURFACE WAS PERFORMED BY GPS SURVEY SOFTWARE USING A GRID ADJUSTMENT FACTOR OF 1.0003254 AND SCALE ORIGIN VALUES OF N=0.00, E=0.00, AS PROVIDED BY ADOT ENGINEERING SURVEY SECTION FOR I-40 TWIN ARROWS T.I. JOB NO. PM 3836, TRACS H8291 YID

ALL BEARINGS ARE GRID BEARINGS, DISTANCES ARE GROUND DISTANCES AND COORDINATES ARE GROUND COORDINATES.

THE EXISTING ADOT R/W SHOWN ON THIS RESULTS OF SURVEY WAS BASED ON AN OBSERVATION AND EVALUATION OF PHYSICAL CORROBORATING EVIDENCE IN THE FIELD AND A REVIEW AND ANALYSIS OF EXISTING R/W PLANS, MAPS AND R/W TITLE DOCUMENTS AVAILABLE AT THE TIME THE SURVEY WAS PREPARED; AND MAY NOT REFLECT PRIOR OR PENDING ADOT DISPOSALS OR ACQUISITIONS THAT WERE NOT SHOWN ON SAID PLANS AND DOCUMENTS AT THE TIME THE SURVEY WAS PREPARED.

THIS

# RESULTS OF SURVEY

ADOT R/W PLANS AND AS BUILTS				
FEDERAL AID NO.	DRAWING NO.	PROJECT NO. / ADOT TRAC NO.	DESCRIPTION	DATE
1-008-4(1)	D-3-T-537	1-40-4(38)214	RIGHT OF WAY PLANS CANYON PADRE - BUFFALO RANGE RD.	1964
	A-3-T-531	1-40-4-834	RIGHT OF WAY STRIP MAP FLAGSTAFF - HOLBROOK INTERSTATE HIGHWAY	1957
	D-3-T-542	1-40-4(10)213	RIGHT OF WAY STRIP MAP CANYON PADRE BRIDGE SEC.	1959
	D-3-T-655	40-CN-218-H0273-01D	RIGHT OF WAY PLANS CANYON PADRE BRIDGE #0671	1990
		1-40-4-(39)	AS BUILT CANYON PADRE - BUFFALO RANGE RD.	1974
040 CN 218		1R-40-4(129) / H 0273 04 C	AS BUILT CANYON PADRE BRIDGE WB #671	1993
		1-40-4(10)213	AS BUILT PLANS FLAGSTAFF - HOLBROOK HWY	1961

PUBLIC INFORMATION USED IN PREPARATION OF SURVEY					
COCONINO COUNTY RECORDER OFFICE					
SECTION	TOWNSHIP	RANGE	BOOK	PAGE	DESCRIPTION
31	21 N	11 E	22	68	ALTA/ ACSM LAND TITLE SURVEY
31	21 N	11 E	12	97	DRYE ACRES

G.L.O. & B.L.M PLATS		
PLAT NO.	DESCRIPTION	DATE
00865	T. 20N., R. 10E.	1890
00866	T. 20N., R. 11E.	1921
00937	T. 21N., R. 10E.	1919
00938	T. 21N., R. 11E.	1933
00939	T. 21N., R. 11E.	1919

G.L.O. & B.L.M. FIELD NOTES		
BOOK NO.	DESCRIPTION	DATE
369	T. 20N. R. 10E.	1890
1215	T. 20N. R. 10E.	1893
1250	5TH STANDARD PARALLEL NORTH	1886
1285	T. 20N. R. 10E.	1885
3222	5TH STANDARD PARALLEL NORTH	1915
3362	T. 20N. R. 11E.	1916
1248	5TH STANDARD PARALLEL NORTH	1883
3214	WEST BOUNDRY NAVAJO INDIAN RESERVATION	1915
3215	5TH STANDARD PARALLEL NORTH	1905
3941	T. 21N. R. 11E.	1932

MISCELLANEOUS MONUMENTATION					
PT	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
202	1514119.79522	888580.14908	6" x 6" CONC. POST	1151+51.53	210.00 RT
203	1514152.18155	888648.56435	5-1/2" x 5-1/2" WOOD POST	1152+27.22	209.99 RT
** 223	1511325.36953	900393.56665	ADOT BC	** 1283+53.96	40.07 RT
** 224	1511366.92437	900462.09519	ADOT BC	** 1283+54.06	40.07 LT
265	1515057.06413	889836.02749	1/2" RB	1166+87.60	100.15 LT
266	1515147.40506	889793.38011	1/2" RB	1166+87.68	200.05 LT
267	1515098.21976	889815.56001	3/4" RB w/TAG STAMPED 'ADOT LOC SVCS 3-88 R.P. 146.17' LT B.T.S. STA. 1166+86.09'	1166+86.70	146.10 LT
268	1515243.58524	890252.09447	1/2" RB	1171+37.71	99.89 LT
269	1515336.42635	890214.43693	1/2" RB	1171+37.46	200.08 LT
270	1515479.33861	891103.63647	1/2" RB	1180+00.57	100.18 LT
271	1515578.08550	891087.87025	1/2" RB	1180+00.43	200.18 LT
272	1510470.72520	904061.79423	1/2" RB	1319+41.27	99.98 LT
273	1510562.29590	904102.00070	1/2" RB	1319+41.27	199.99 LT
274	1511652.82152	901369.11969	1/2" RB	1290+00.55	99.97 LT
275	1511744.51767	901409.22283	1/2" RB	1290+00.41	200.05 LT
276	1514065.01280	895874.60147	1/2" RB	1229+99.85	100.01 LT
277	1514156.57509	895914.75025	1/2" RB	1229+99.80	199.98 LT
278	1514467.00483	894958.92026	1/2" RB	1219+99.81	100.01 LT
279	1514558.65143	894999.15538	1/2" RB	1219+99.81	200.10 LT

ALL STATIONS AND OFFSETS ARE FROM THE EXISTING R/W & UNLESS OTHERWISE NOTED

\*\* DENOTES STATION AND OFFSET FROM FRONTAGE ROAD 'B' &

EXISTING R/W LINE					
THE FOLLOWING LIST OF POINTS REPRESENTS THE EXISTING RIGHT OF WAY LINE AS DETERMINED BY AN ANALYSIS OF MONUMENTATION FOUND DURING THE COURSE OF THIS SURVEY AND THE EXISTING DOCUMENTATION LISTED HEREIN. ALL STATIONS AND OFFSETS ARE FROM THE EXISTING RIGHT OF WAY CENTERLINE UNLESS OTHERWISE NOTED.					
I-40 LEFT SIDE			I-40 RIGHT SIDE		
PT	STATION	OFFSET	PT	STATION	OFFSET
702	1150+12.97	96.00 LT	703	1150+12.97	316.00 RT
652	1166+86.63	96.00 LT	704	1153+37.42	316.00 RT
653	1169+76.11	92.61 LT	705	1153+86.62	210.00 RT
654	1171+37.58	96.00 LT	644	1159+00.60	210.00 RT
515	Radius Pt.	-----	643	1162+00.60	240.01 RT
620	1186+99.93	96.00 LT	642	1164+00.60	270.02 RT
619	1188+99.93	100.02 LT	662	1167+60.59	378.33 RT
618	1190+99.92	150.03 LT	641	1168+00.60	390.03 RT
617	1192+99.91	275.04 LT	640	1170+00.64	390.02 RT
661	1195+11.73	518.62 LT	639	1173+00.68	304.96 RT
*616	0+00.00	80.00 RT	651	1174+43.77	210.02 RT
*609	0+00.00	105.00 LT	650	Radius Pt.	-----
610	1204+49.95	350.00 LT	655	1180+96.51	245.96 RT
611	1206+49.95	205.00 LT	656	Radius Pt.	-----
612	1208+99.95	115.00 LT	632	1182+94.38	251.92 RT
613	1210+99.95	96.00 LT	631	1185+99.45	289.96 RT
659	1245+30.32	96.00 LT	630	1188+99.44	384.97 RT
686	1293+43.42	96.00 LT	629	1190+99.43	499.98 RT
689	1319+41.35	96.00 LT	628	1192+49.43	609.99 RT
			627	1195+99.41	890.01 RT
			626	1197+49.41	930.02 RT
			*625	18+50.01	100.03 RT
			*624	19+94.00	60.00 RT
			*182	Radius Pt.	-----
			*647	21+94.00	60.00 RT
			*614	23+50.17	60.00 RT
			*706	23+50.17	28.78 LT
			*602	23+50.17	63.20 LT
			*601	21+94.00	63.20 LT
			*182	Radius Pt.	-----
			*600	19+94.00	63.20 LT
			*603	19+24.99	174.96 LT
			604	1204+99.46	575.09 RT
			605	1205+99.46	455.08 RT
			606	1206+99.46	375.08 RT
			607	1208+99.46	290.09 RT
			608	1210+64.52	276.00 RT
			675	1223+50.12	276.00 RT
			674	1223+50.12	260.00 RT
			673	1227+50.12	260.00 RT
			668	1227+50.12	276.00 RT
			667	1236+96.81	276.00 RT
			677	1268+00.10	276.00 RT
			678	1268+00.10	280.00 RT
			679	1276+43.24	280.00 RT
			*680	1276+43.24	40.00 RT
			*157	Radius Pt.	-----
			*681	1279+47.59	40.00 RT
			*682	1283+05.34	40.00 RT
			*683	1283+05.34	40.00 LT
			684	1279+04.34	260.00 RT
			685	1295+03.21	260.00 RT
			688	1319+41.35	260.00 RT

\* DENOTES STATION AND OFFSET FROM ROAD 'E' &

\*\* DENOTES STATION AND OFFSET FROM FRONTAGE ROAD 'B' &

**LEGEND**  
RB = Rebar

CHANGE ORDER REVISIONS				DRAWING NO.	D-03-T-706	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	July 2014	HIGHWAY NAME: <b>FLAGSTAFF - HOLBROOK</b>	
				DRAWN/DATE	DESAUTELS 08/14	FEDERAL AID NO.:	
				ADOT REVIEW	M. HINEMAN	040-D(220)T	
				<b>AZTEC</b> <small>4561 E. McDowell Road Phoenix, AZ 85008-4505 Tel: (602) 454-0403 Fax: (602) 454-0403 www.aztec.us</small>		PROJECT NO.:	
				ROUTE NO.:	I-40	040 CN 218 H8291	
				LOCATION:	Twin Arrows T.I. EB Off-Ramp		

040RW218\_RS11.DGN

