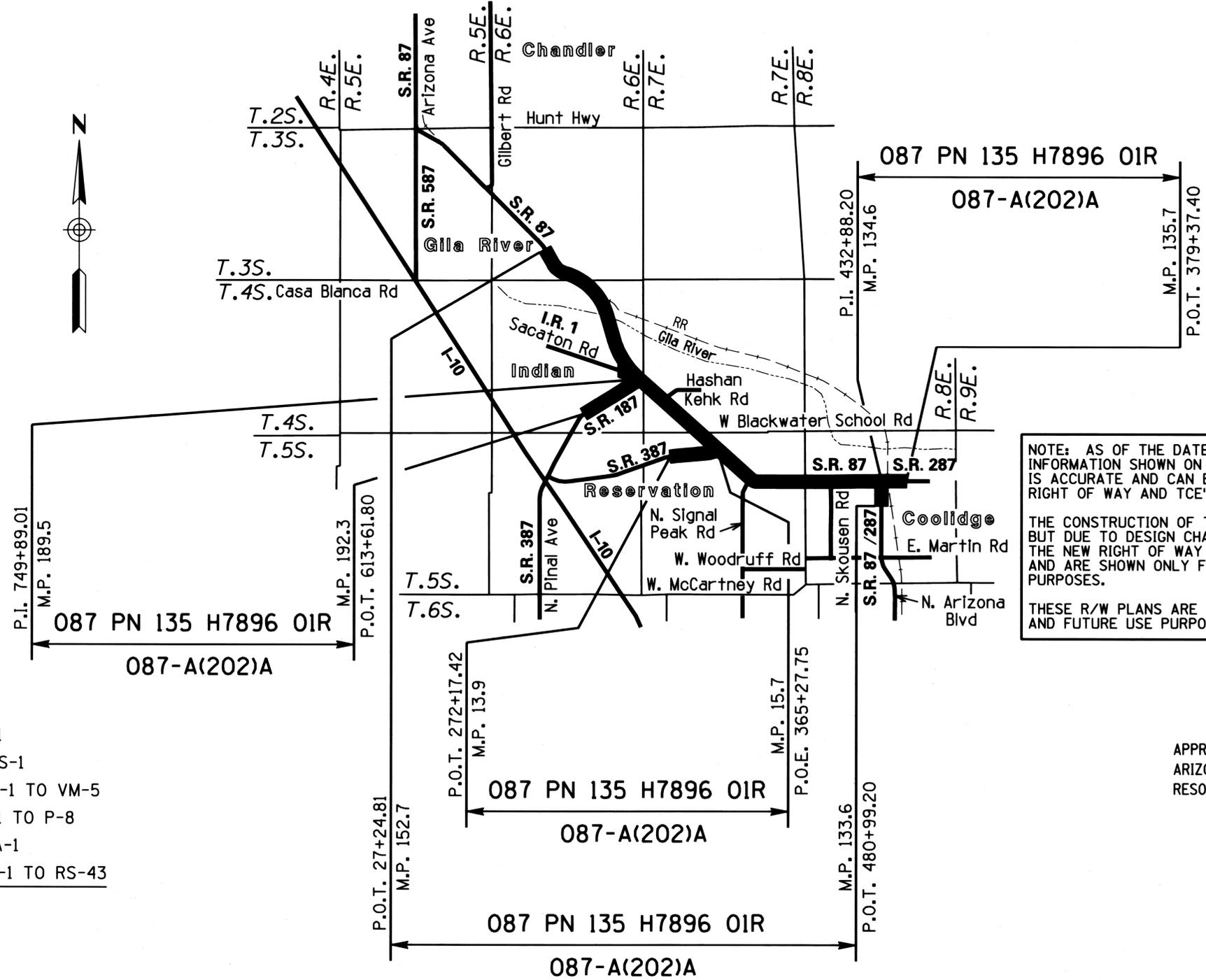


# RIGHT OF WAY PLANS OF THE PICACHO-COOLIDGE-CHANDLER-MESA HIGHWAY JCT. SR 287-GILA RIVER 087 PN 135 H7896 01R 087-A(202)A

ARIZONA DEPARTMENT  
OF  
TRANSPORTATION  
INTERMODAL  
TRANSPORTATION  
DIVISION



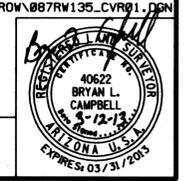
★ PROJECT LOCATION  
COUNTY NAME: PINAL  
LENGTH OF PROJECT: 24.8 MILES  
ADOT DISTRICT: TUCSON (T)  
DRAWING NUMBER: D-11-T-489



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THE CONSTRUCTION OF THIS PROJECT (H7896 01C) TOOK PLACE, BUT DUE TO DESIGN CHANGES, NO R/W ACQUISITION WAS NEEDED. THE NEW RIGHT OF WAY AND TCE'S SHOWN WERE NOT ACQUIRED AND ARE SHOWN ONLY FOR GENERAL REFERENCE AND HISTORICAL PURPOSES.  
THESE R/W PLANS ARE ON FILE FOR EXISTING R/W DOCUMENTATION AND FUTURE USE PURPOSES.

SHEET INDEX	
COVER SHEET	1
STANDARD ABBREVIATION & SYMBOLS	S-1
OWNERSHIP RECORD SHEET	ORS-1
VICINITY MAP SHEET	VM-1 TO VM-5
PLAN SHEET	P-1 TO P-8
BIA SHEET	BIA-1
RESULTS OF SURVEY	RS-1 TO RS-43
TOTAL SHEETS	60

APPROVED IN ACCORDANCE WITH  
ARIZONA DEPARTMENT OF TRANSPORTATION BOARD  
RESOLUTION 2011-03-A-013 DATED 3-18-11



... \ROW\087RW135\_CVR01.DGN

# 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. 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.</p> <p>U.S.G.L.O.</p> <p>W. WD</p>
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<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>	
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<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. R/W Monument </p> <p>New R/W Monument </p> <p>PC - PT Circle </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>NGS Control Pt or Angle Point </p>	<p><b>SECTION 7</b> <b>MARICOPA CO.</b></p> <p>North Arrow</p> <p>MP </p> <p>Mile Post Marker</p>	<p><math>\frac{31}{615} + \frac{32}{615}</math> Found or Set Section Corner</p> <p><math>\frac{31}{615} + \frac{32}{615}</math> Unfound Section Corner</p> <p><math>4 \div 3</math> Found or Set Quarter Corner</p> <p><math>4 \div 9</math> Unfound Quarter Corner</p> <p><math>\text{---} \text{---} \text{---} \text{---} \text{---} \text{---}</math> Found or Set Center Quarter Corner</p> <p><math>\text{---} \text{---} \text{---} \text{---} \text{---} \text{---}</math> Unfound Center Quarter Corner</p>
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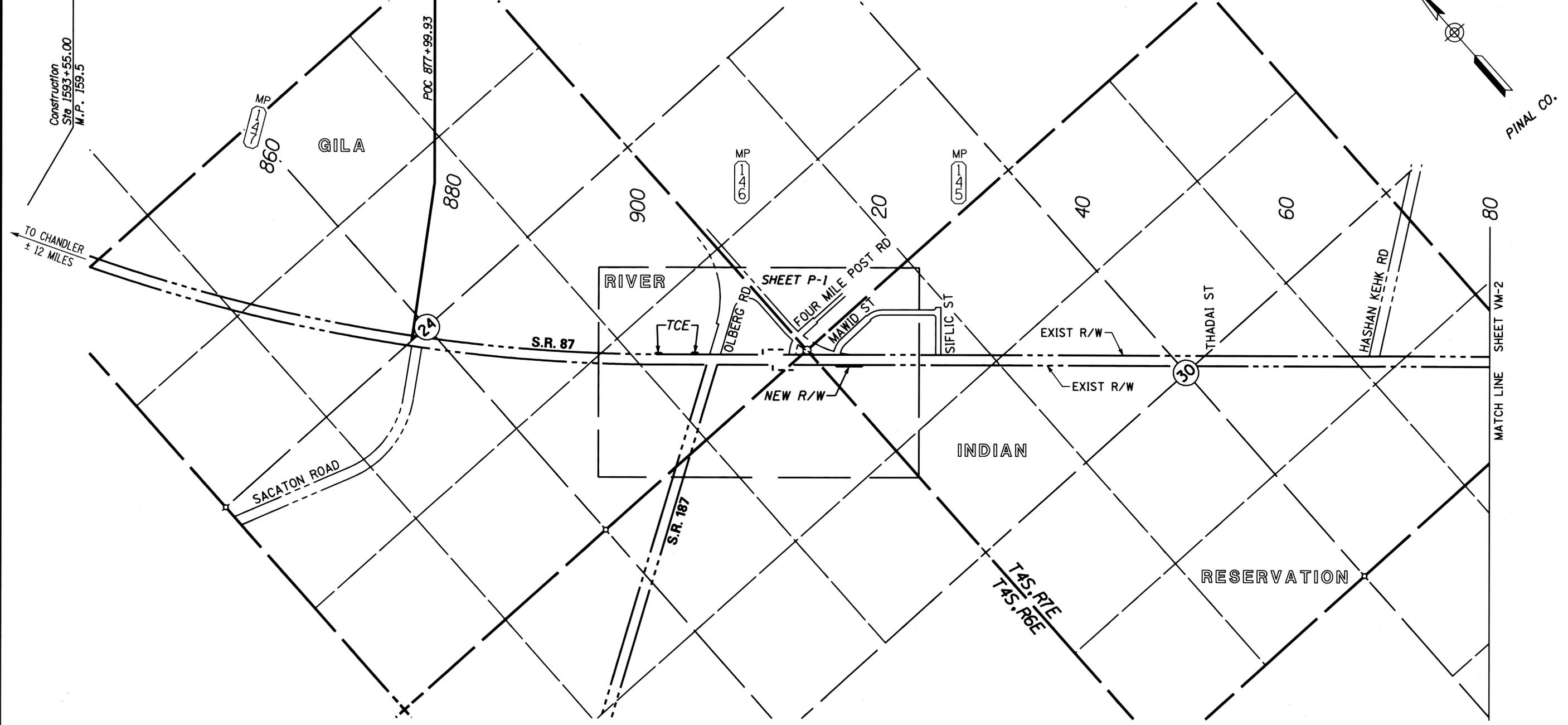
CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	See Attached Survey	HIGHWAY NAME:	Picacho-Coolidge-Chandler-Mesa
				DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.:	Unassigned
				ADOT REVIEW	Steve McLain	PROJECT NO.:	087 PN 135 H7896 01R
				ROUTE NO.:	S.R. 87	LOCATION:	Jct. SR 287-Gila River

... \ROW\087RW135 STD.DGN



END CONSTR PROJECT  
 087 PN 134 H7896 01C  
 HSIP 087-A(202)A

BEGIN R/W PROJECT  
 087 PN 135 H7896 01R



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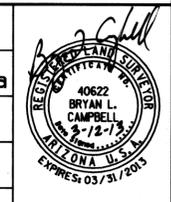
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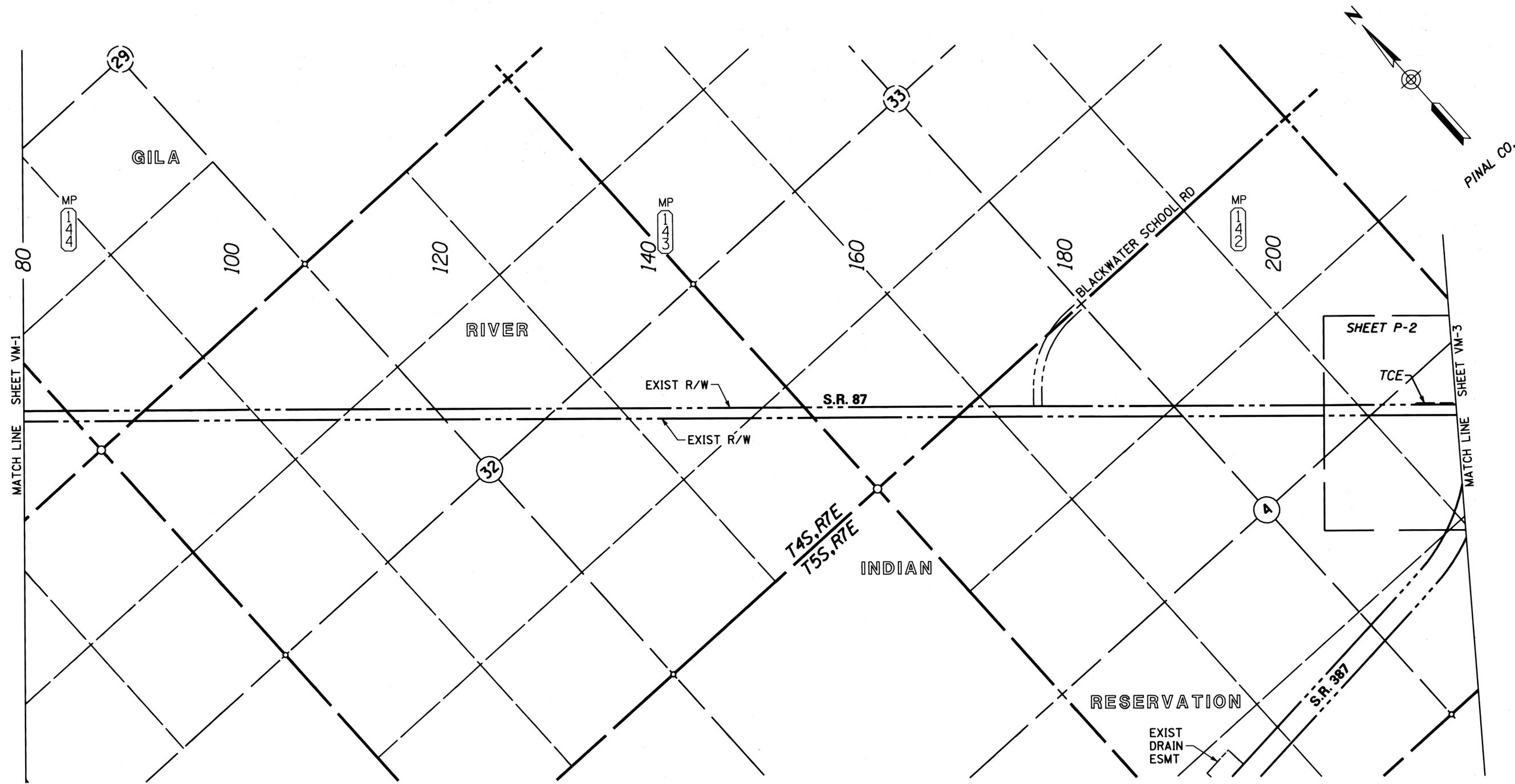
# VICINITY MAP

0 250 500  
 Scale

CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	See Attached Survey		HIGHWAY NAME:
				DRAWN/DATE	A.Grass/Dec 10		Picacho-Coolidge-Chandler-Mesa
				ADOT REVIEW	Steve McLain		FEDERAL AID NO.:
							Unassigned
							PROJECT NO.:
							087 PN 135 H7896 01R
				ROUTE NO.:	S.R. 87		LOCATION:
							Jct. SR 287-Gila River



SHEET VM-1



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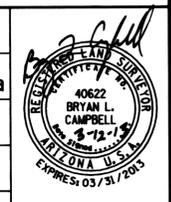
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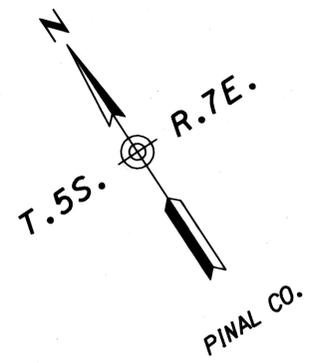
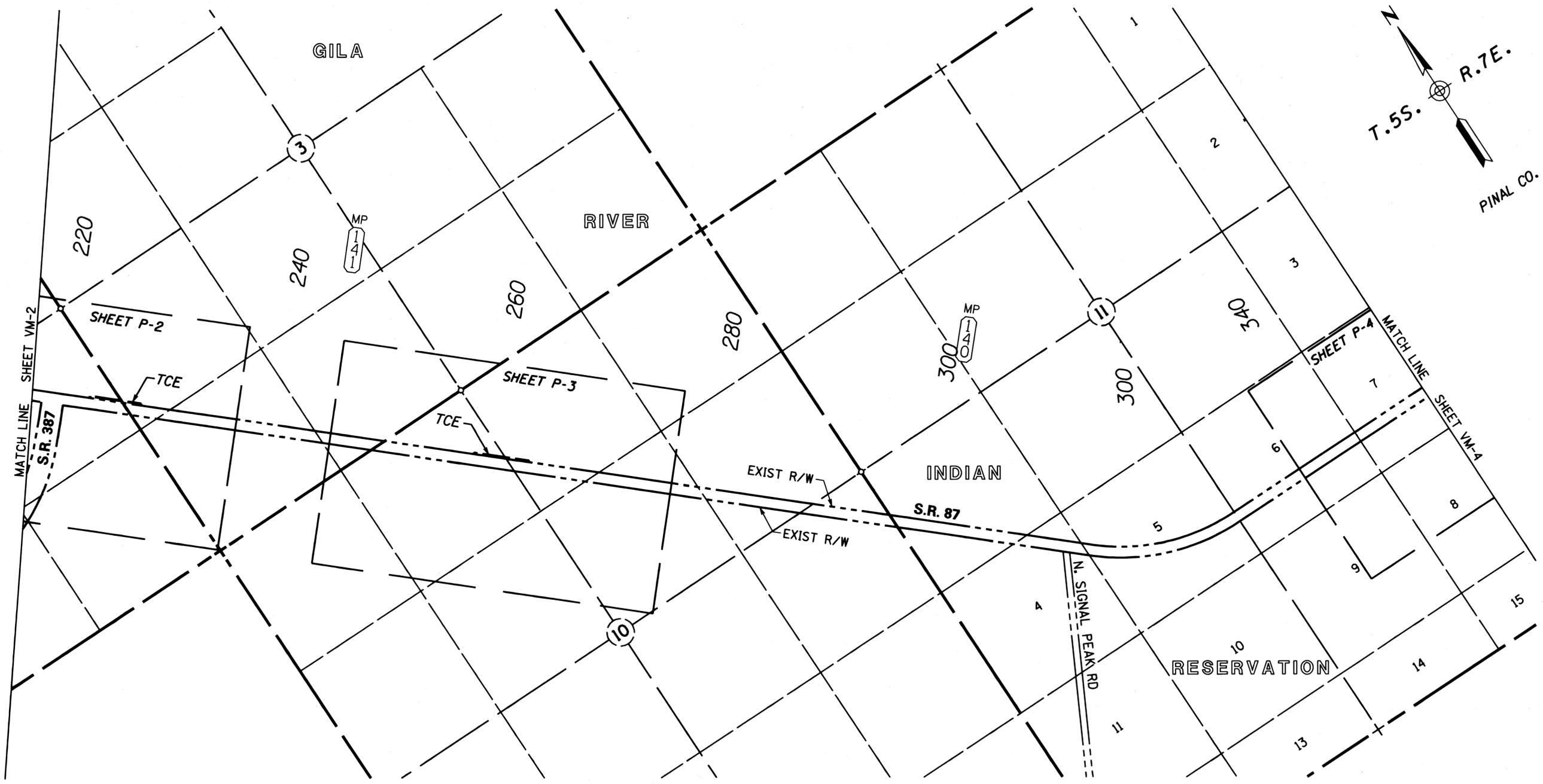
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# VICINITY MAP

0 250 500  
Scale

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-11-T-489	HIGHWAY NAME: Picocho-Coolidge-Chandler-Mesa	
				See Attached Survey	FEDERAL AID NO.: Unassigned	
				A.Grass/Dec 10	PROJECT NO.: 087 PN 135 H7896 01R	
				Steve McLain	PROJECT NO.: 087 PN 135 H7896 01R	
				<b>amec</b>	PROJECT NO.: 087 PN 135 H7896 01R	
				ROUTE NO.: S.R. 87	LOCATION: Jct. SR 287-Gila River	
					SHEET VM-2	



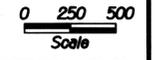


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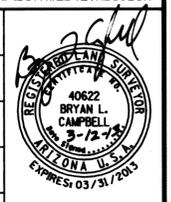
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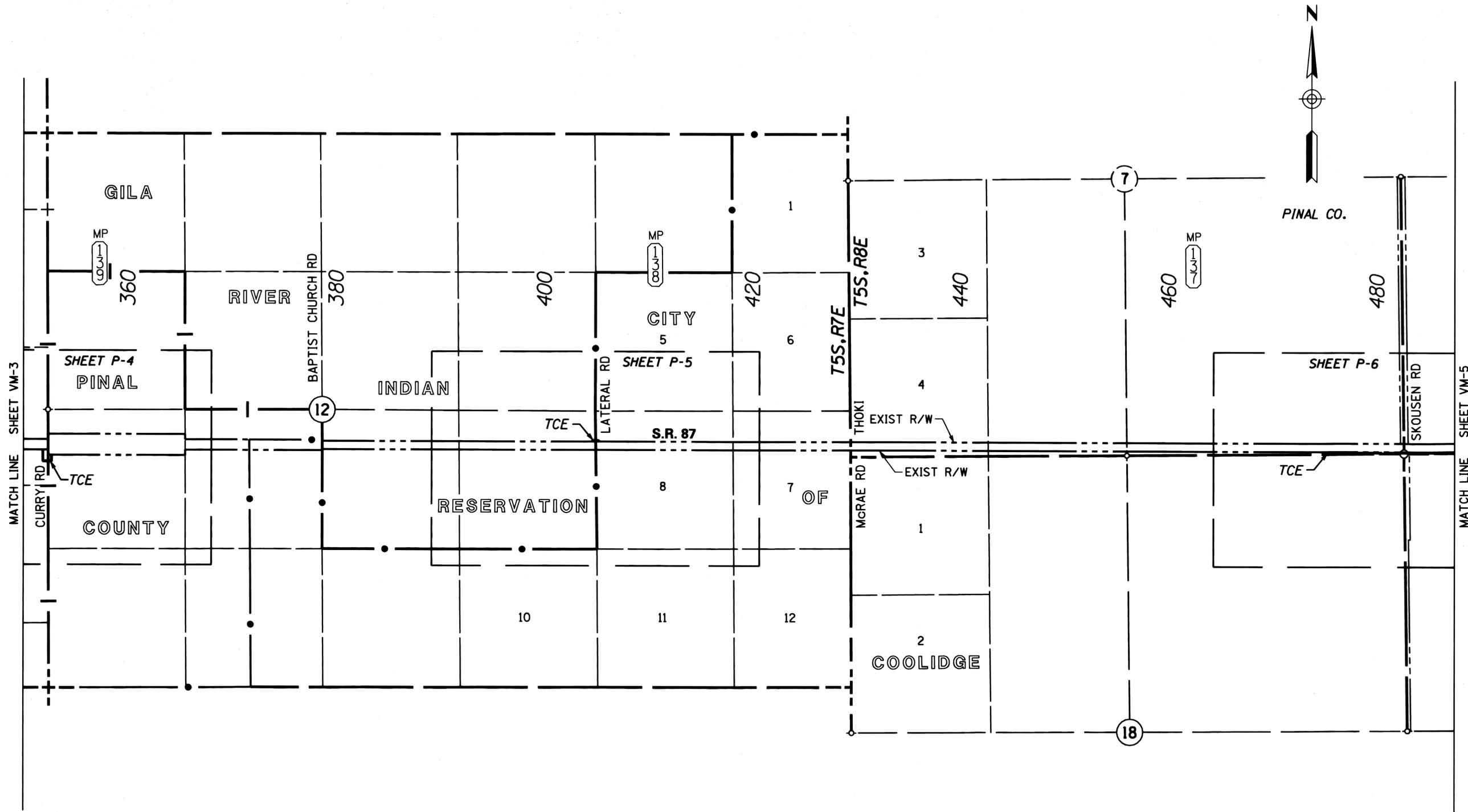
# VICINITY MAP



... \ROW\887RW284\_VM03.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-11-T-489	HIGHWAY NAME: Picocho-Coolidge-Chandler-Mesa	
				See Attached Survey	FEDERAL AID NO.:	
				A.Grass/Dec 10	Unassigned	
				Steve McLain	PROJECT NO.:	
					087 PN 135 H7896 01R	
					ROUTE NO.:	
				S.R. 87	LOCATION: Jct. SR 287-Gila River	





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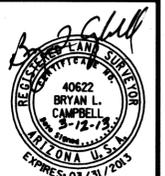
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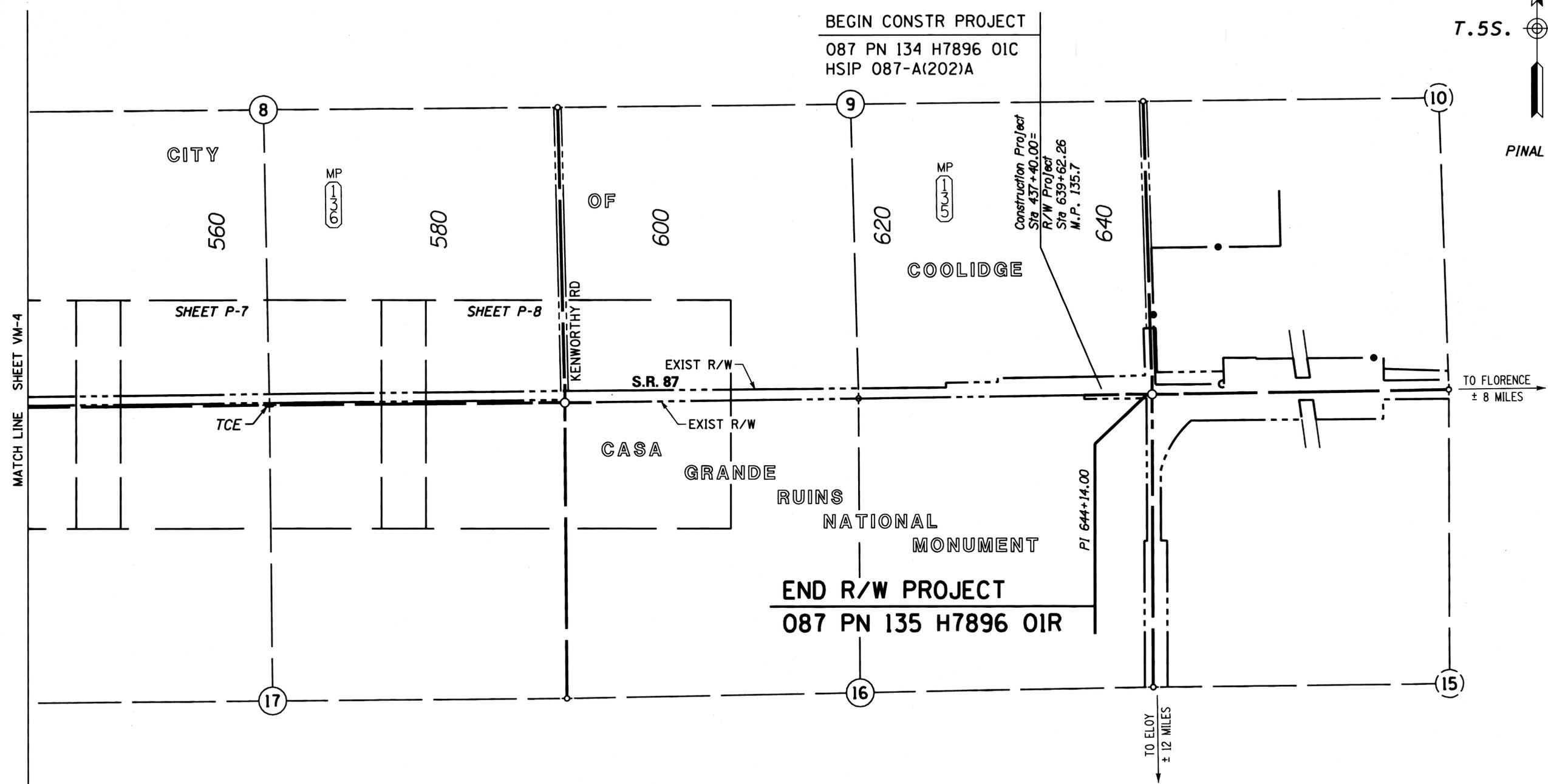
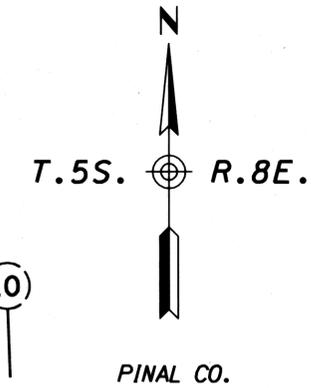
# VICINITY MAP

0 250 500  
Scale

... \ROW\087RW204\_VM04.DGN

CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	See Attached Survey	HIGHWAY NAME:	
				DRAWN/DATE	A.Grass/Dec 10	Picacho-Coolidge-Chandler-Mesa	
				ADOT REVIEW	Steve McLain	FEDERAL AID NO.:	
						Unassigned	
						PROJECT NO.:	
						087 PN 135 H7896 01R	
				ROUTE NO.:	S.R. 87	LOCATION:	
						Jct. SR 287-Gila River	



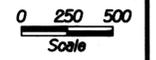


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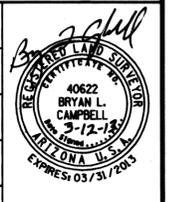
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# VICINITY MAP

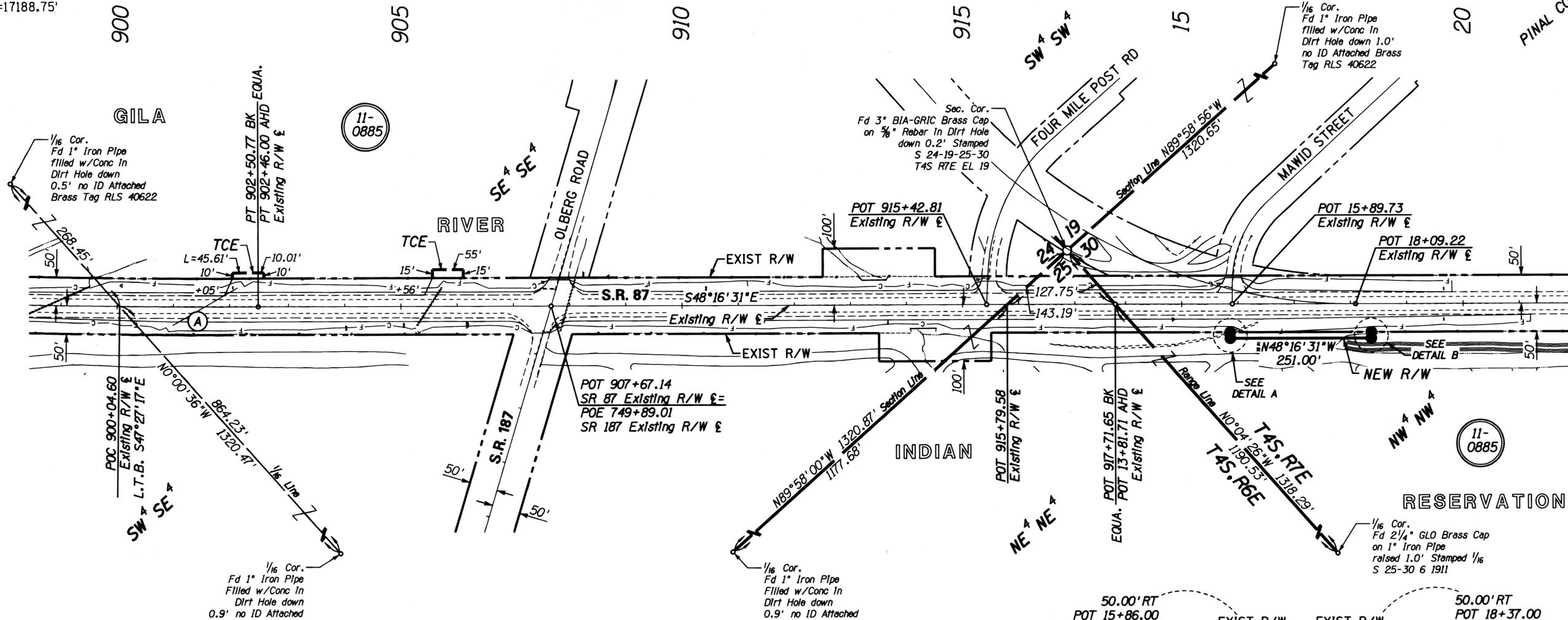


... \ROW\087RW204\_VM05.DGN

CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	See Attached Survey	HIGHWAY NAME: Picocho-Coolidge-Chandler-Mesa	
				DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.:	
				ADOT REVIEW	Steve McLain	Unassigned	
						PROJECT NO.:	
						087 PN 135 H7896 OIR	
				ROUTE NO.:	S.R. 87	LOCATION:	
						Jct. SR 287-Gila River	



Existing R/W & CURVE DATA  
 PI 855+48.60  
 $\Delta=32^{\circ}13'30''$  Lt  
 $D=00^{\circ}20'00''$   
 $T=4965.34'$   
 $L=9667.51'$   
 $R=17188.75'$



1/16 Cor.  
 Fd 1" Iron Pipe  
 filled w/Conc In  
 Dirt Hole down  
 0.5' no ID Attached  
 Brass Tag RLS 40622

PT 902+50.77 BK EQUA.  
 PT 902+46.00 AHD  
 Existing R/W &

11-0885

TCE  
 $L=45.61'$   
 $10'$   
 $10'$

TCE  
 $55'$   
 $15'$   
 $15'$

POC 900+04.60  
 Existing R/W &  
 L.T.B.  $S47^{\circ}27'17''E$

$N0^{\circ}00'35''W$  1320.47'  
 $864.23'$   
 $1/16$  Line

1/16 Cor.  
 Fd 1" Iron Pipe  
 Filled w/Conc In  
 Dirt Hole down  
 0.9' no ID Attached  
 Brass Tag RLS 40622

POT 907+67.14  
 SR 87 Existing R/W &=  
 POE 749+89.01  
 SR 187 Existing R/W &

1/16 Cor.  
 Fd 1" Iron Pipe  
 Filled w/Conc In  
 Dirt Hole down  
 0.9' no ID Attached  
 Brass Tag RLS 40622

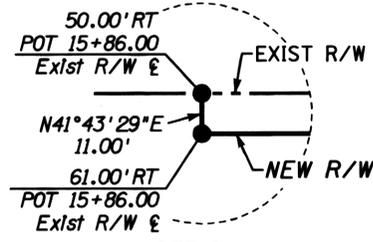
Sec. Cor.  
 Fd 3" BIA-GRIC Brass Cap  
 on 3/8" Rebar In Dirt Hole  
 down 0.2' Stamped  
 S 24-19-25-30  
 T4S RTE EL 19

1/16 Cor.  
 Fd 1" Iron Pipe  
 filled w/Conc In  
 Dirt Hole down 1.0'  
 no ID Attached Brass  
 Tag RLS 40622

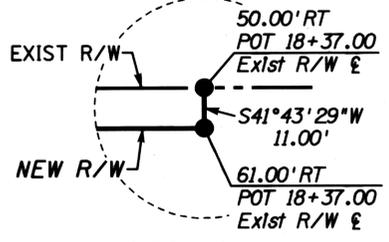
SEE  
 DETAIL A

SEE  
 DETAIL B

11-0885



DETAIL A



DETAIL B

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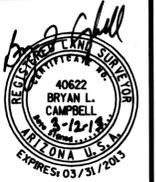
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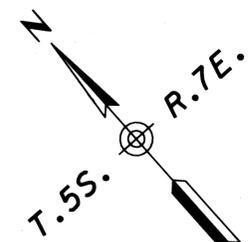
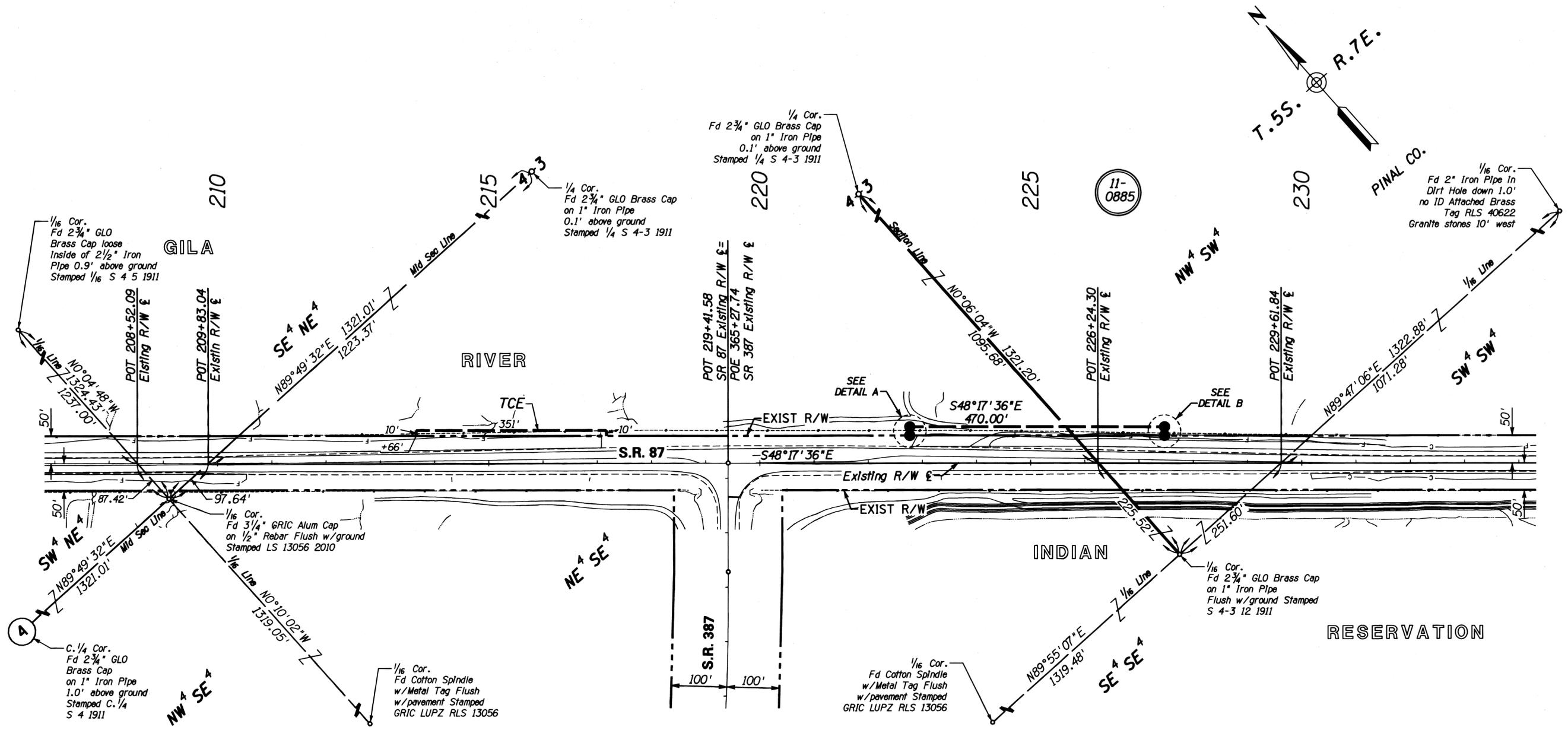
SEE SHEET VM-1 AND VM-5 FOR R/W PROJECT LIMITS

0 50 100  
 Scale

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-11-T-489	HIGHWAY NAME: Picoacho-Coolidge-Chandler-Mesa	
				See Attached Survey	FEDERAL AID NO.:	
				A.Grass/Dec 10	Unassigned	
				Steve McLain	PROJECT NO.:	
					087 PN 135 H7896 01R	
				ROUTE NO.:	LOCATION:	
				S.R. 87	Jct. SR 287-Gila River	

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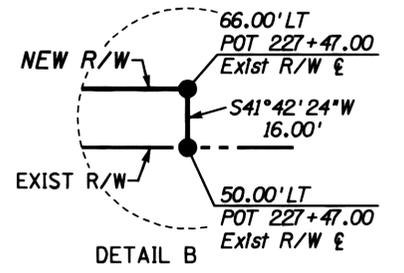
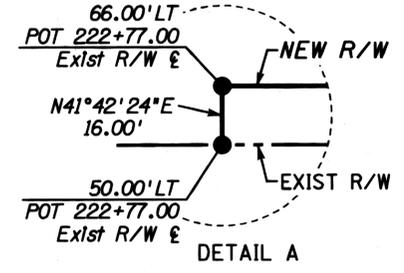




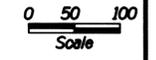
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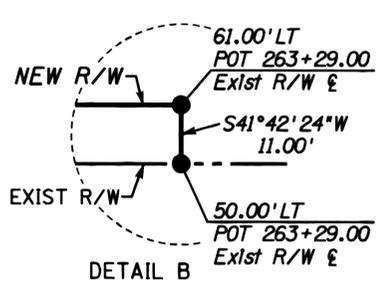
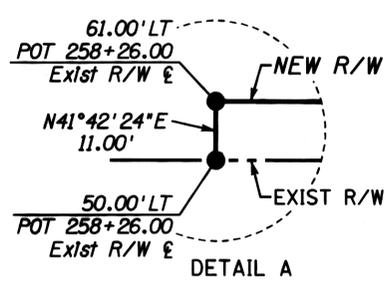
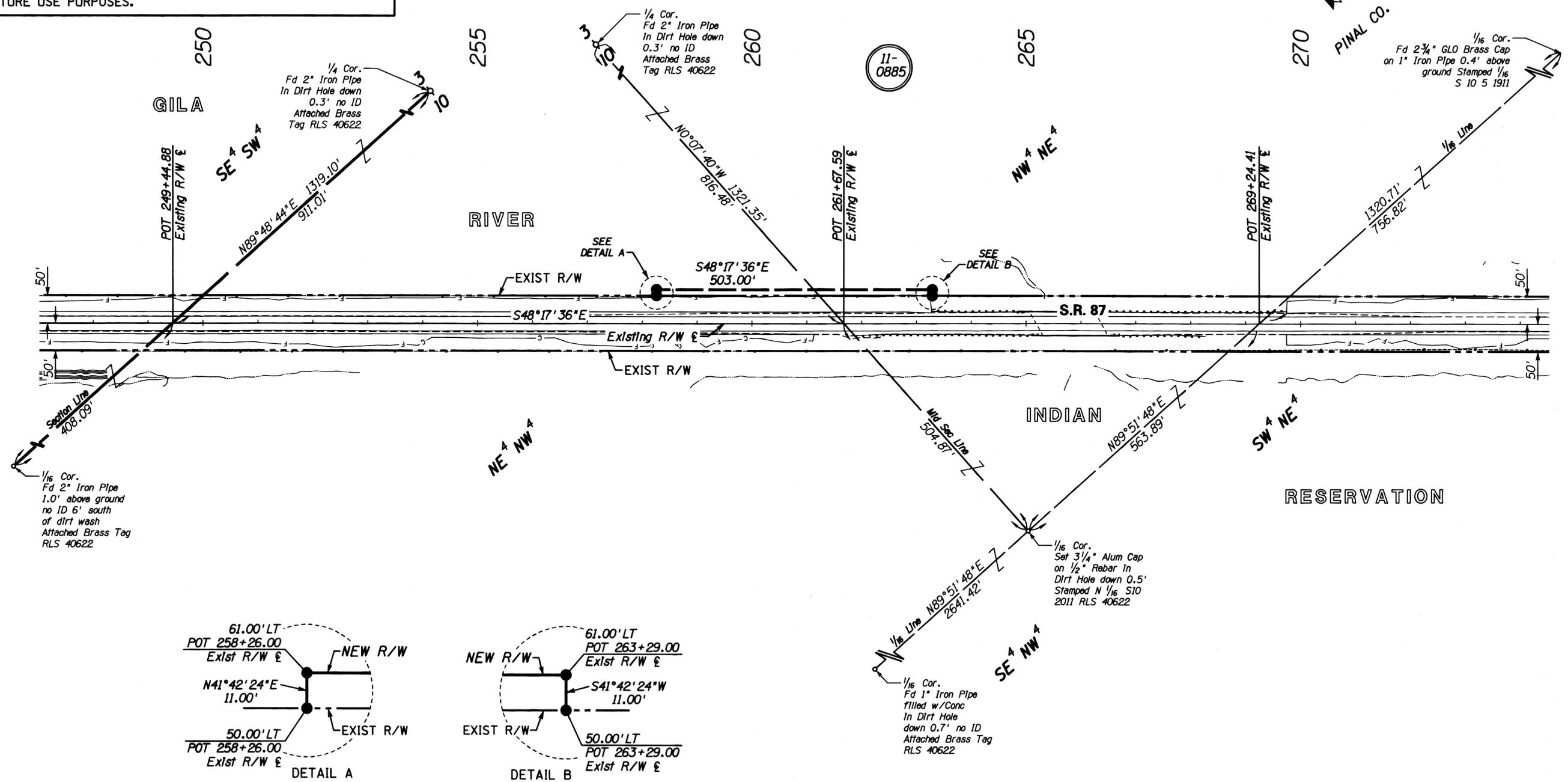
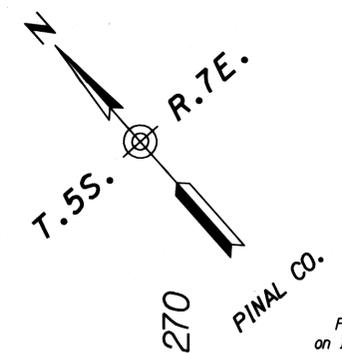
CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	See Attached Survey	INTERMODAL TRANSPORTATION DIVISION
				DRAWN/DATE	A.Grass/Dec 10	RIGHT OF WAY PLANS SECTION
				ADOT REVIEW	Steve McLain	HIGHWAY NAME:
						Picacho-Coolidge-Chandler-Mesa
						FEDERAL AID NO.:
				ROUTE NO.:	S.R. 87	PROJECT NO.:
				LOCATION:	Jct. SR 287-Gila River	087 PN 135 H7896 OIR



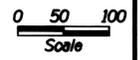
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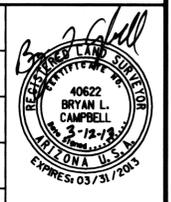
THESE R/W PLANS ARE ON FILE FOR EXISTING R/W DOCUMENTATION AND FUTURE USE PURPOSES.



SEE SHEET VM-1 AND VM-5 FOR R/W PROJECT LIMITS



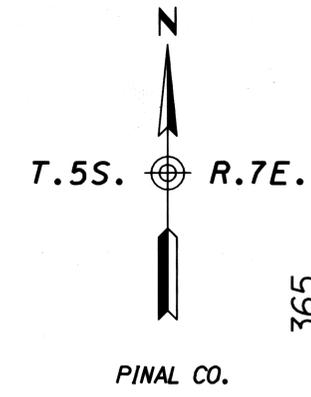
CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	See Attached Survey	INTERMODAL TRANSPORTATION DIVISION
				DRAWN/DATE	A.Grass/Dec 10	RIGHT OF WAY PLANS SECTION
				ADOT REVIEW	Steve McLain	HIGHWAY NAME:
						Picacho-Coolidge-Chandler-Mesa
						FEDERAL AID NO.:
						Unassigned
						PROJECT NO.:
						087 PN 135 H7896 01R
				ROUTE NO.:	S.R. 87	LOCATION:
						Jct. SR 287-Gila River



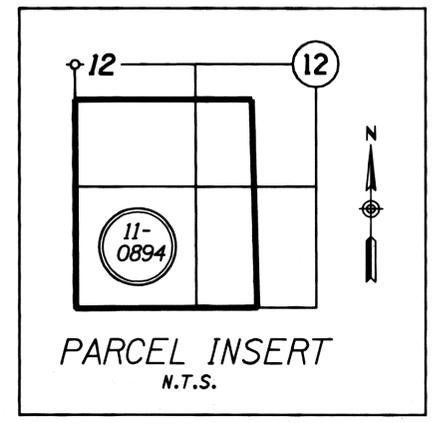
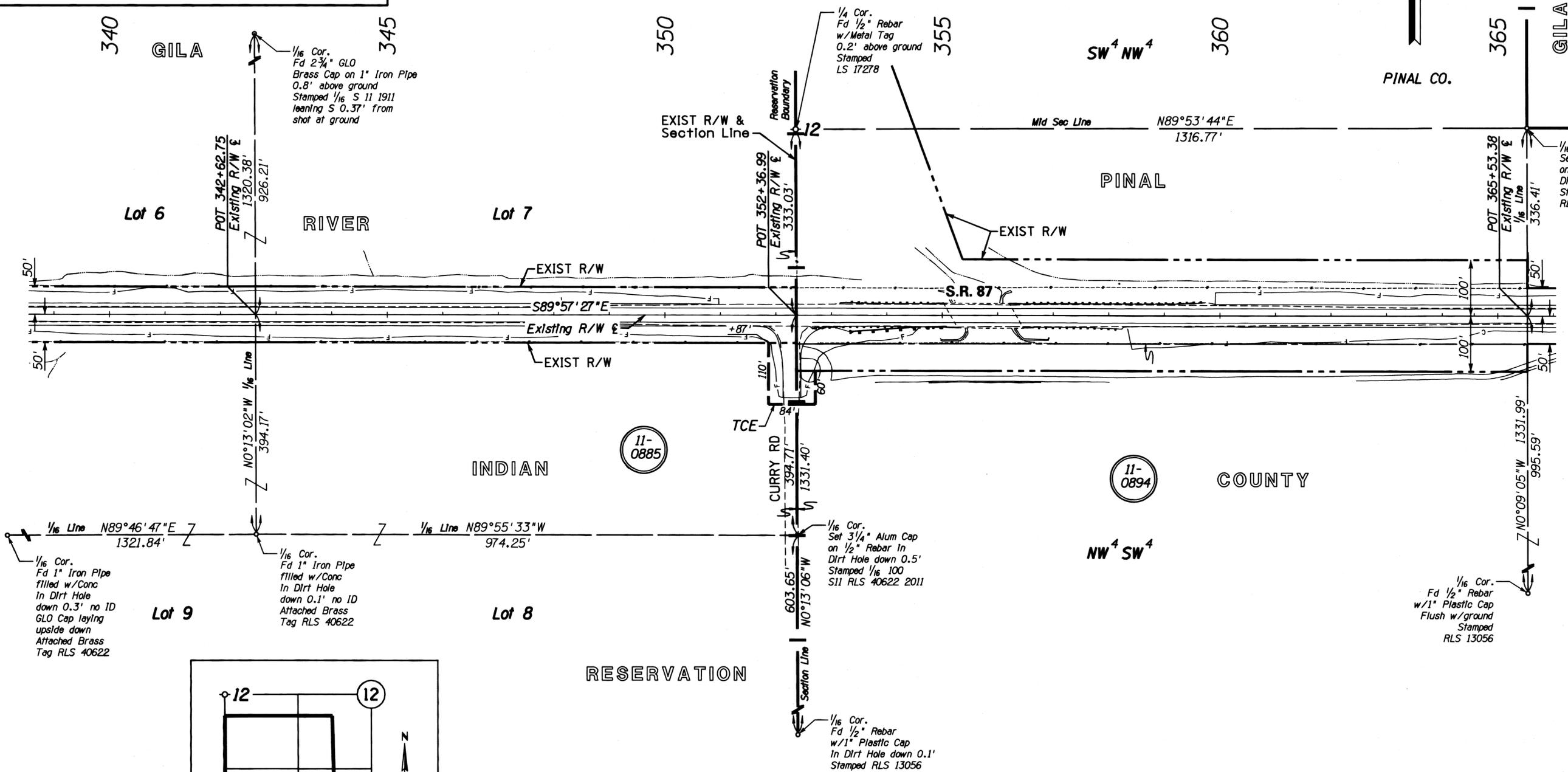
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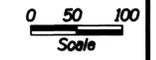
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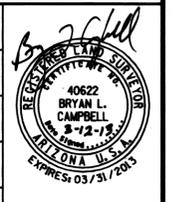
GILA RIVER INDIAN RESERVATION



SEE SHEET VM-1 AND VM-5 FOR R/W PROJECT LIMITS



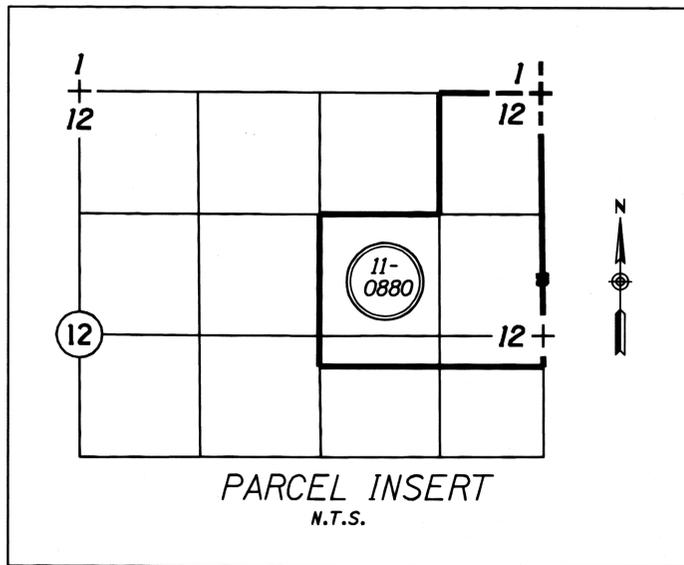
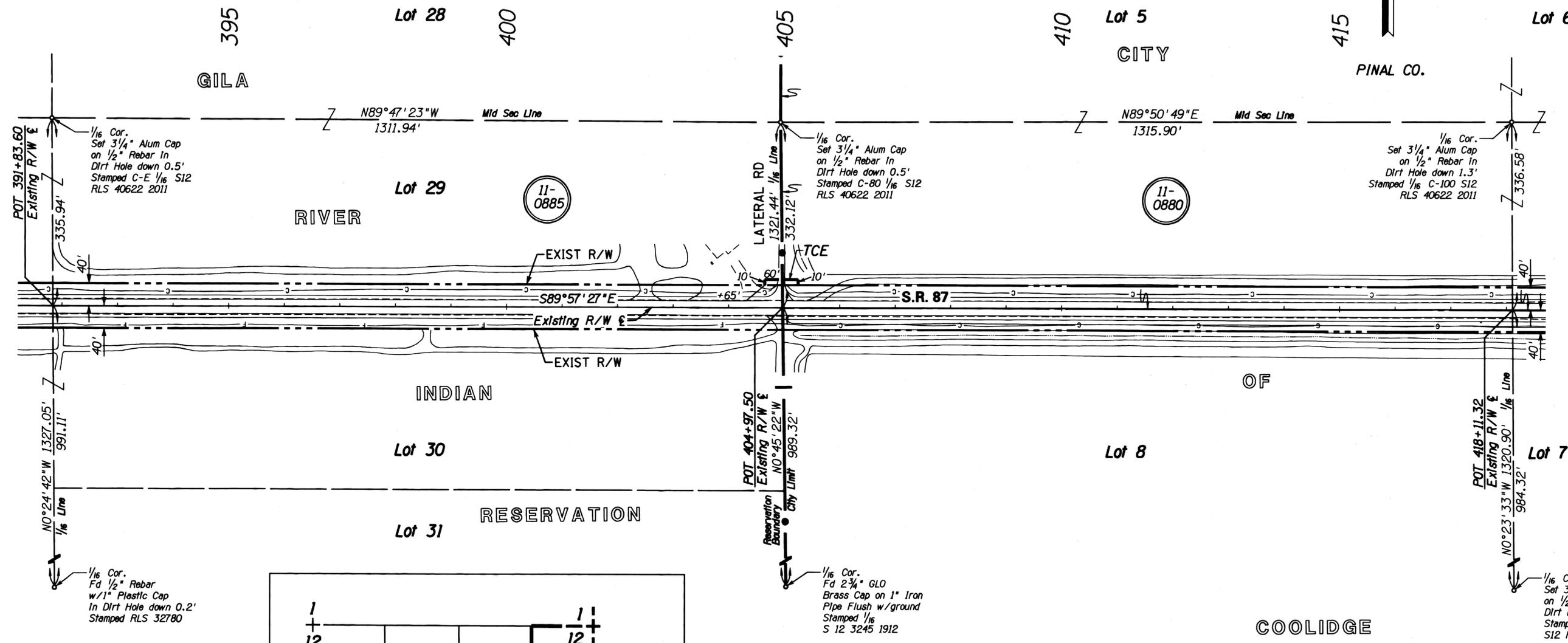
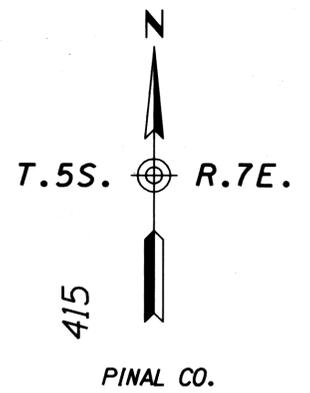
CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	See Attached Survey		HIGHWAY NAME:
				DRAWN/DATE	A.Grass/Dec 10	Picocho-Coolidge-Chandler-Mesa	
				ADOT REVIEW	Steve McLain	FEDERAL AID NO.:	
						PROJECT NO.:	
						087 PN 135 H7896 01R	
				ROUTE NO.:	S.R. 87	LOCATION:	Jct. SR 287-Gila River



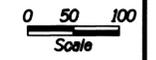
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SEE SHEET VM-1 AND VM-5 FOR R/W PROJECT LIMITS



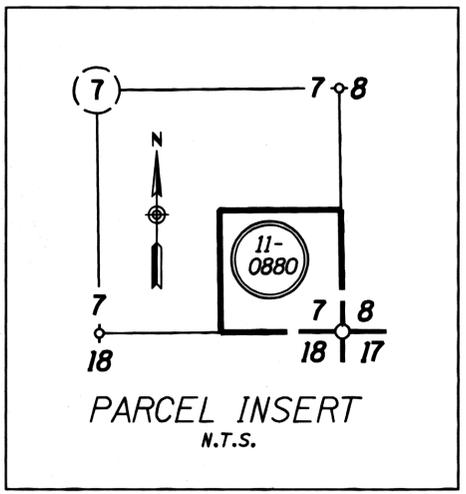
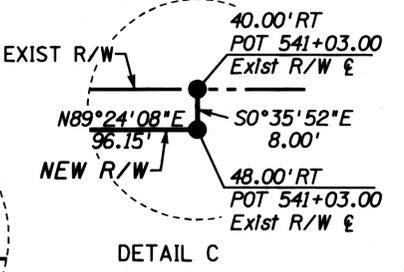
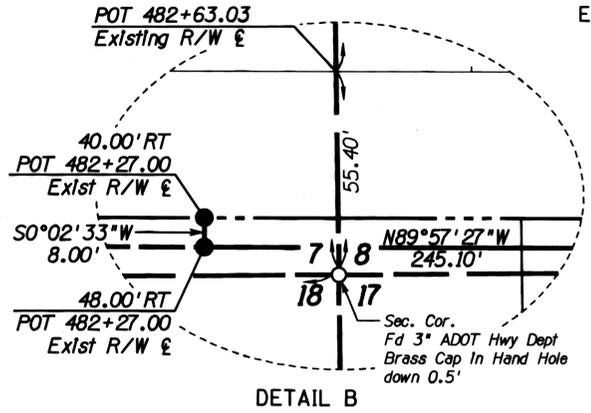
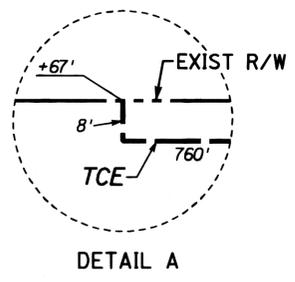
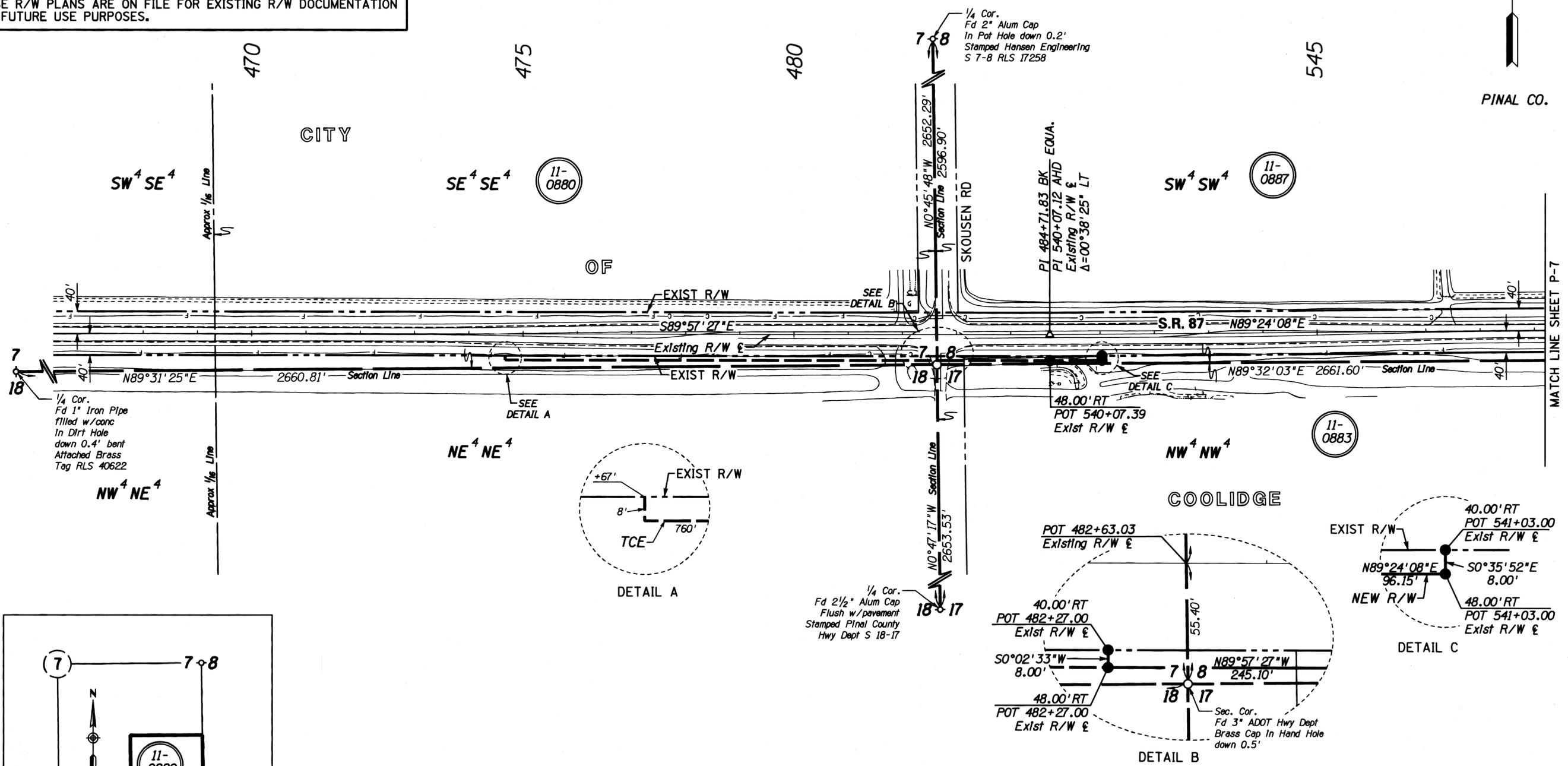
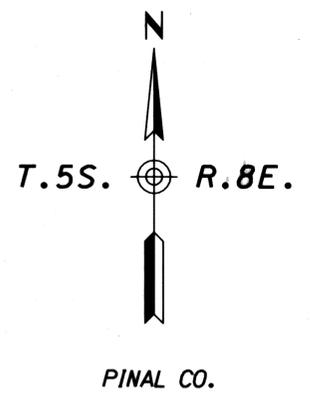
CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	See Attached Survey	HIGHWAY NAME: Picacho-Coolidge-Chandler-Mesa	
				DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.:	
				ADOT REVIEW	Steve McLain	Unassigned	
						PROJECT NO.:	
						087 PN 135 H7896 01R	
				ROUTE NO.:	S.R. 87	LOCATION:	
						Jct. SR 287-Gila River	



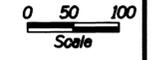
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SEE SHEET VM-1 AND VM-5 FOR R/W PROJECT LIMITS



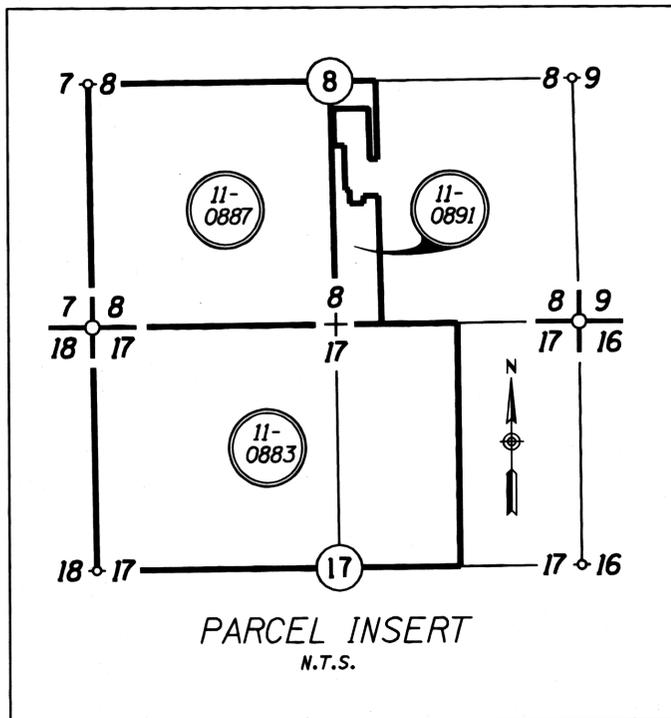
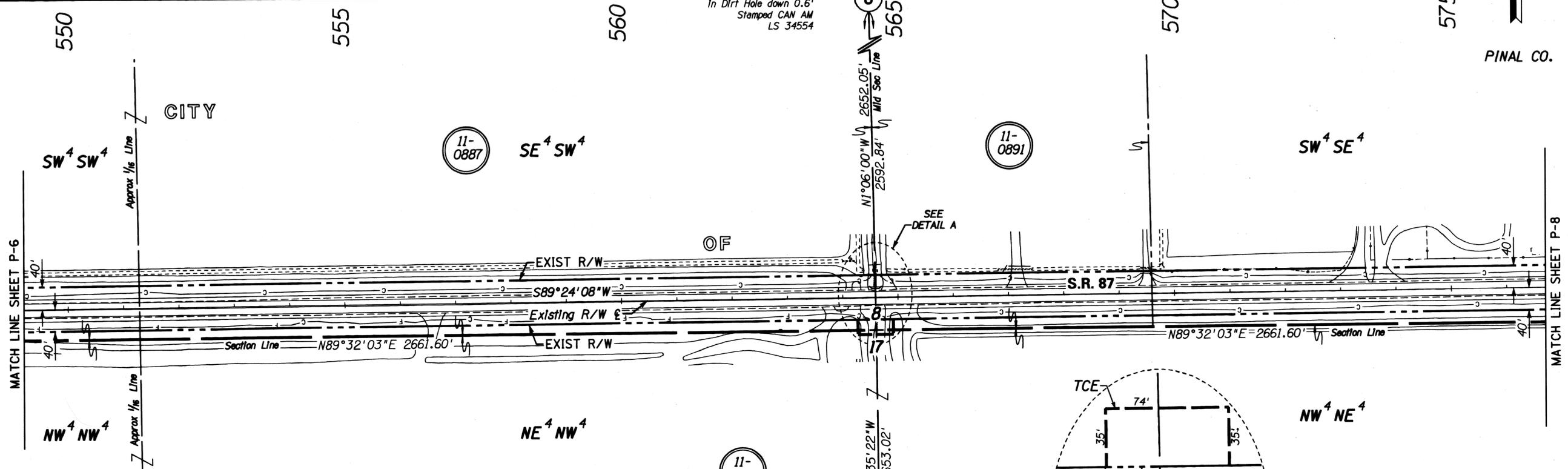
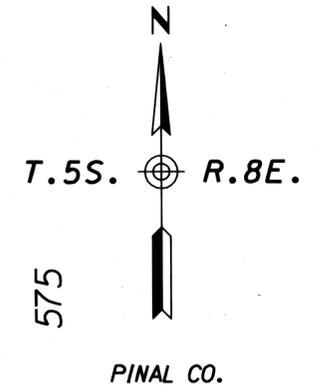
CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	See Attached Survey	
				DRAWN/DATE	A.Grass/Dec 10	HIGHWAY NAME: Picacho-Coolidge-Chandler-Mesa
				ADOT REVIEW	Steve McLain	FEDERAL AID NO.:
				<b>amec</b>		PROJECT NO.:
				ROUTE NO.:	S.R. 87	087 PN 135 H7896 01R
				LOCATION:	Jct. SR 287-Gila River	



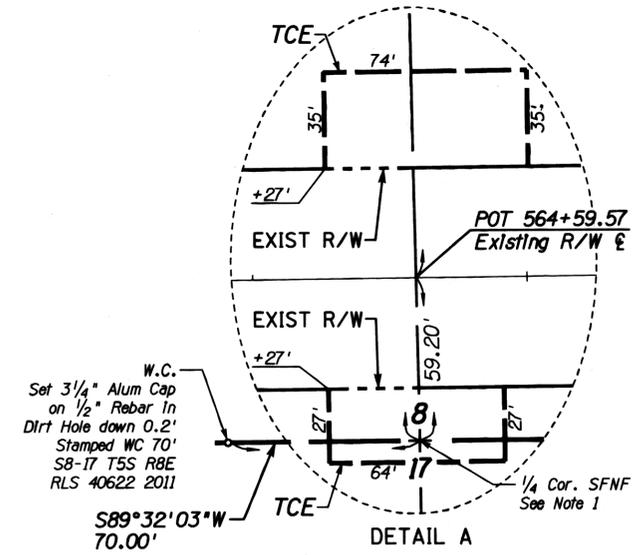
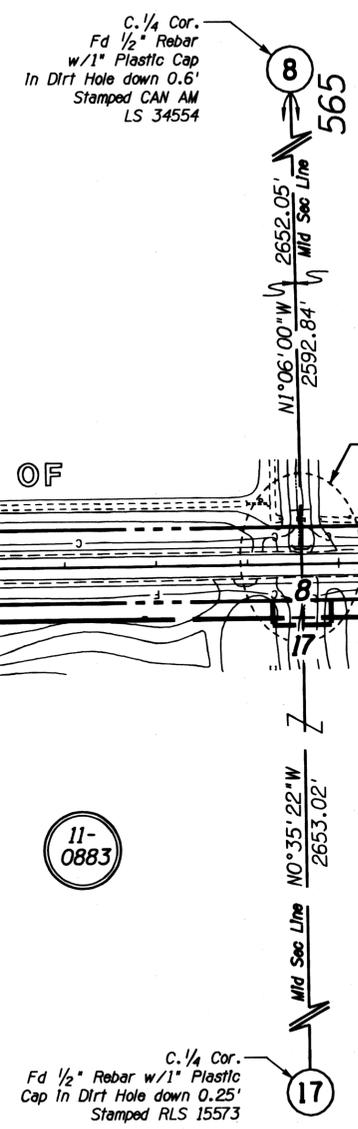
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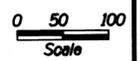


NOTE  
 1. Calculated by single proportion between points 30141 & 30151 according to Bk. 9, Pg. 8 and Bk. 19, Pg. 127 Fd W.C. from Bk. 19 Pg. 127 N89°29'34"E 20.22' (Disturbed) Pt \*13001 falls In Ditch. Set Witness Corner.



SEE SHEET VM-1 AND VM-5 FOR R/W PROJECT LIMITS

CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	See Attached Survey	HIGHWAY NAME: Picocho-Coolidge-Chandler-Mesa	
				DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.:	
				ADOT REVIEW	Steve McLain	PROJECT NO.:	
						087 PN 135 H7896 01R	
						ROUTE NO.:	S.R. 87

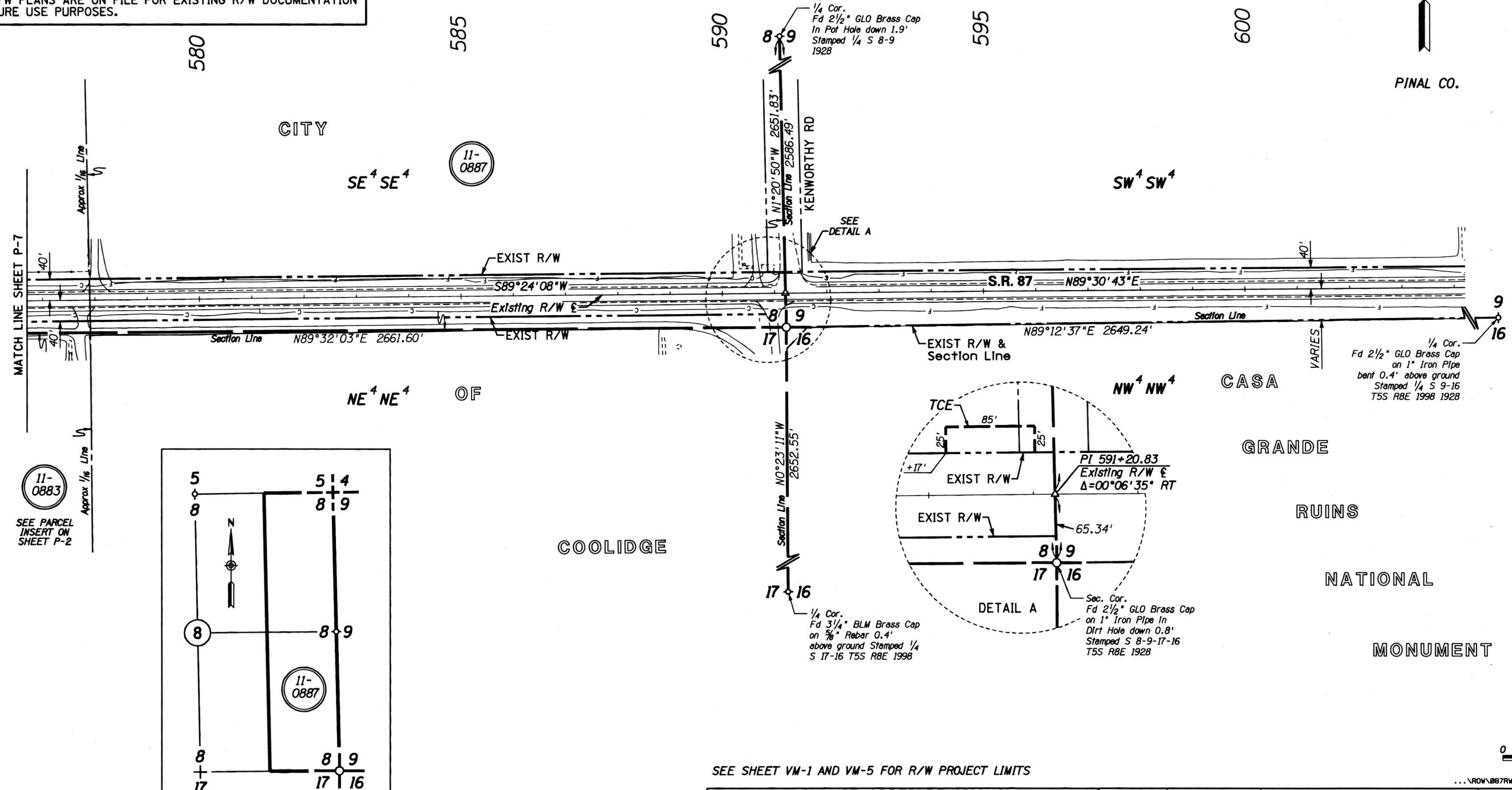
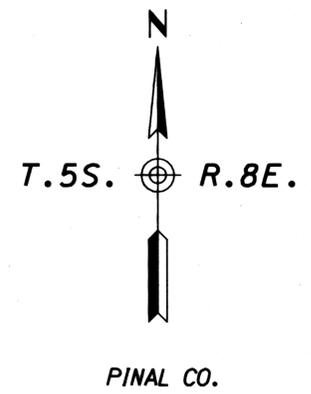


... V:\ROW\087RW\135\_P07.DGN

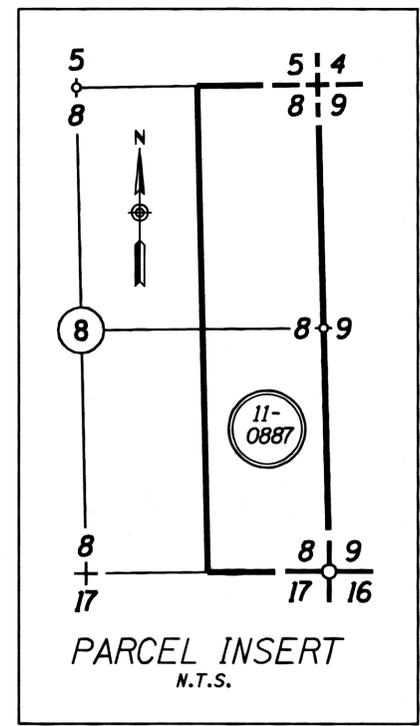
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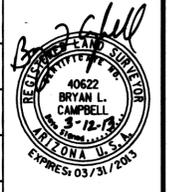
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SEE PARCEL INSERT ON SHEET P-2



SEE SHEET VM-1 AND VM-5 FOR R/W PROJECT LIMITS



CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	See Attached Survey	HIGHWAY NAME: Picocho-Coolidge-Chandler-Mesa
				DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.:
				ADOT REVIEW	Steve McLain	Unassigned
						PROJECT NO.:
						087 PN 135 H7896 OIR
				ROUTE NO.:	S.R. 87	LOCATION:
						Jct. SR 287-Gila River

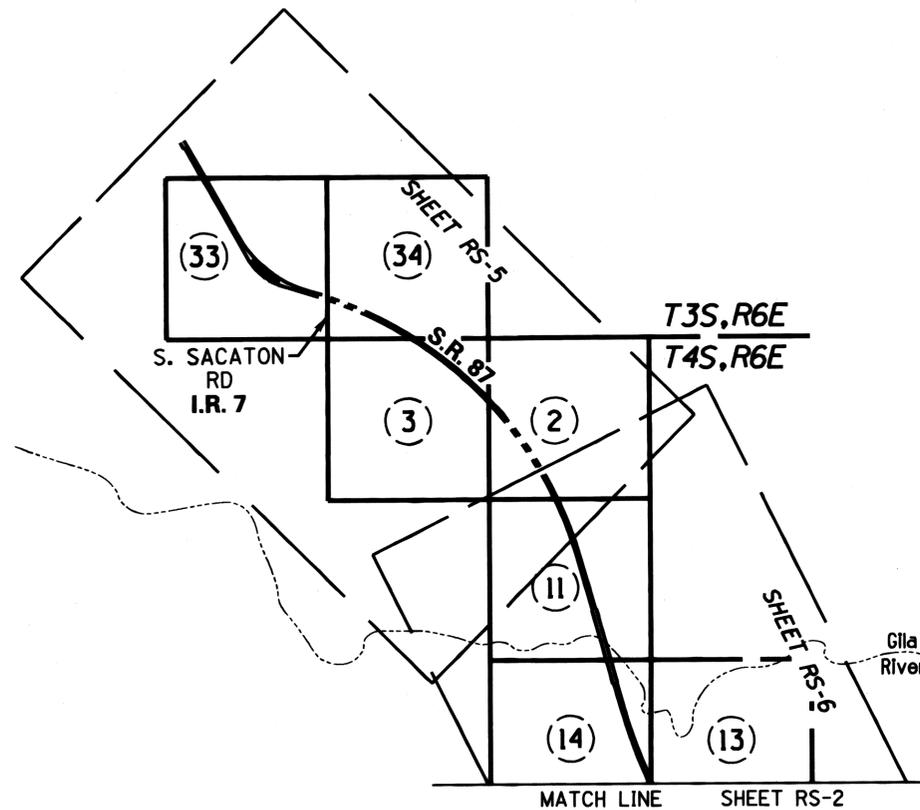




# RESULTS OF SURVEY



PINAL CO.



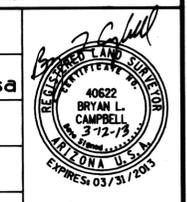
## SECTIONAL CONTROL SHEET LAYOUT

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Scale

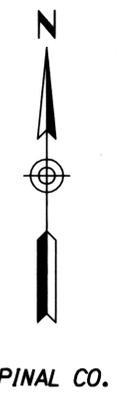
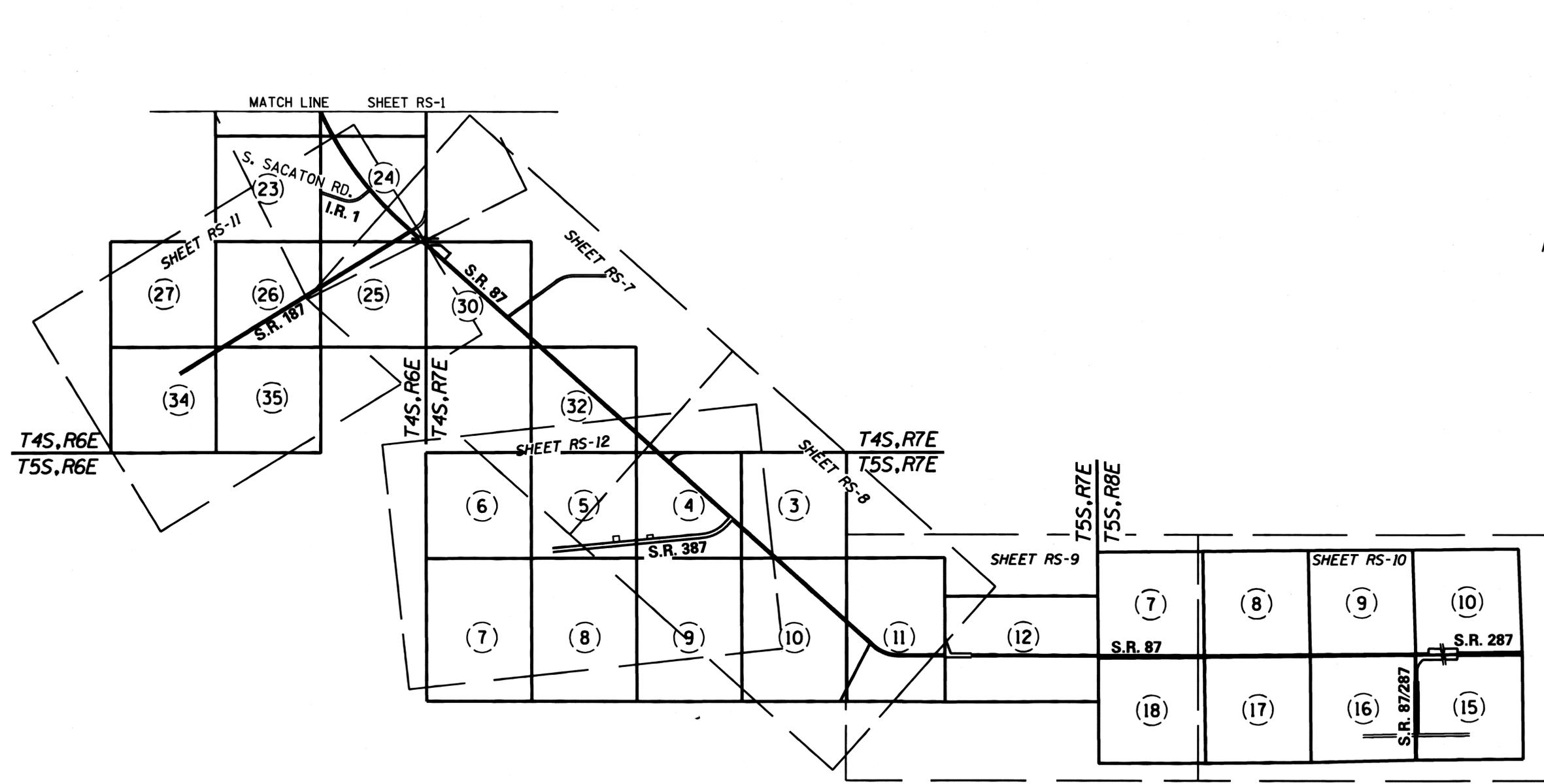
... \ROS\087RW135\_RS01.DGN

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

DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
SURVEY	Sept. 2010	HIGHWAY NAME: Picacho-Coolidge-Chandler-Mesa	
DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.:	
ADOT REVIEW	Steve McLain	087-A (202) A	
		PROJECT NO.:	
		087 PN 135 H7896 01R	
ROUTE NO.:	S.R. 87	LOCATION:	Jct. SR 287-Gila River
			SHEET RS-1



# RESULTS OF SURVEY

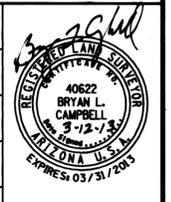


## SECTIONAL CONTROL SHEET LAYOUT

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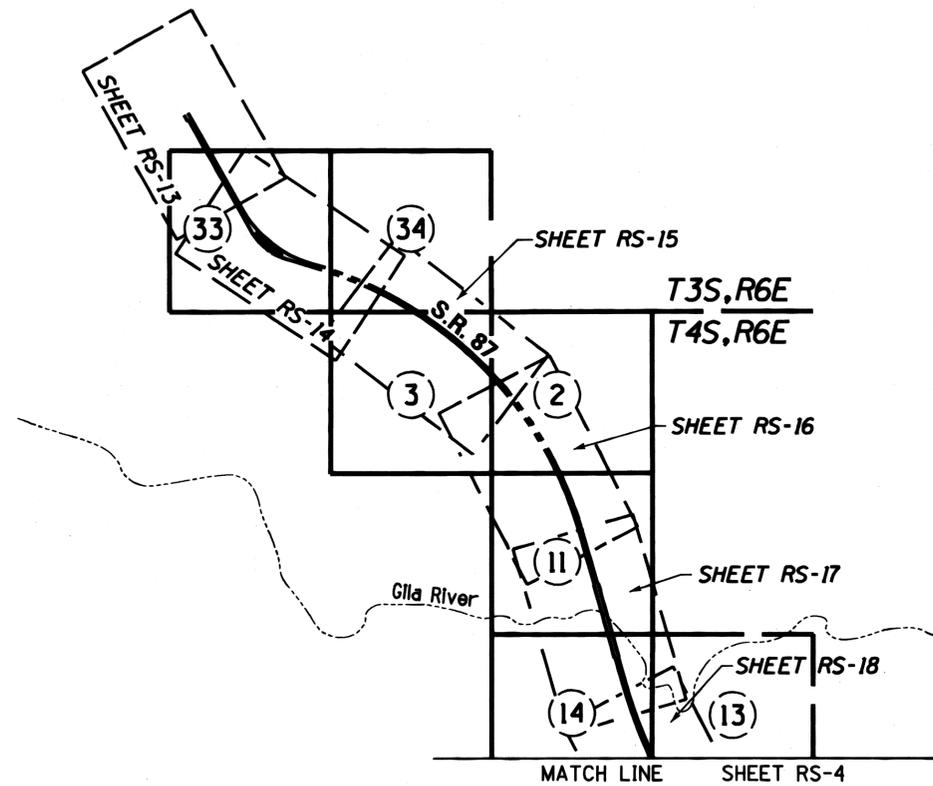
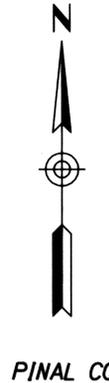
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CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	HIGHWAY NAME: Picacho-Coolidge-Chandler-Mesa	
				DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.:	
				ADOT REVIEW	Steve McLain	087-A (202) A	
				<b>amec</b>		PROJECT NO.:	
						087 PN 135 H7896 01R	
				ROUTE NO.:	S.R. 87	LOCATION: Jct. SR 287-Gila River	



SHEET RS-2

# RESULTS OF SURVEY

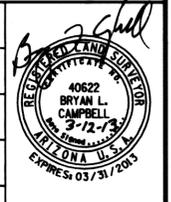


## RIGHT OF WAY CORRIDOR SHEET LAYOUT

0 1500 3000  
Scale

... \ROS\087RW135\_RS03.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-11-T-489	HIGHWAY NAME:	
				SURVEY	Sept. 2010	Picacho-Coolidge-Chandler-Mesa
				DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.:
				ADOT REVIEW	Steve McLain	087-A (202) A
				<b>amec</b>		PROJECT NO.:
						087 PN 135 H7896 01R
				ROUTE NO.:	LOCATION:	
				S.R. 87	Jct. SR 287-Gila River	

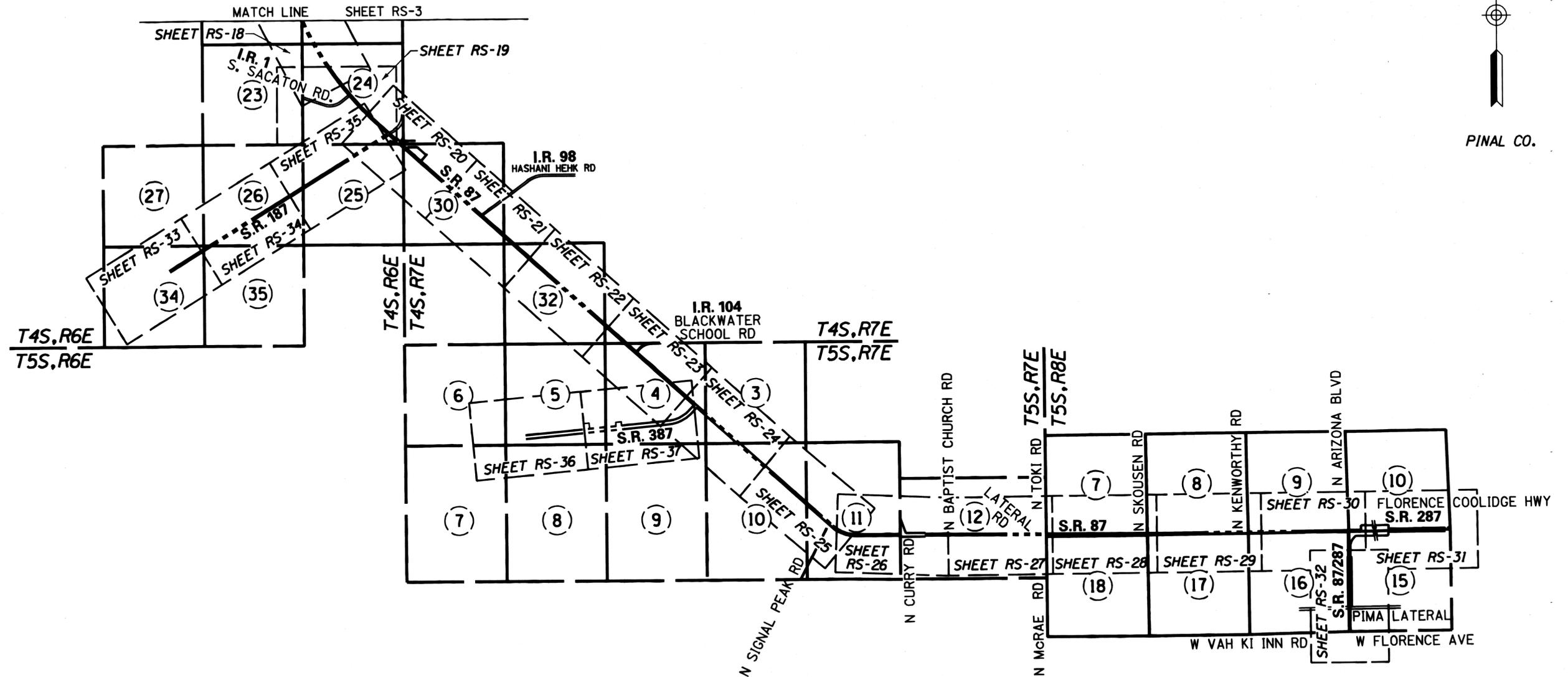


SHEET RS-3

# RESULTS OF SURVEY



PINAL CO.



RIGHT OF WAY  
CORRIDOR  
SHEET LAYOUT

0 1500 3000  
Scale

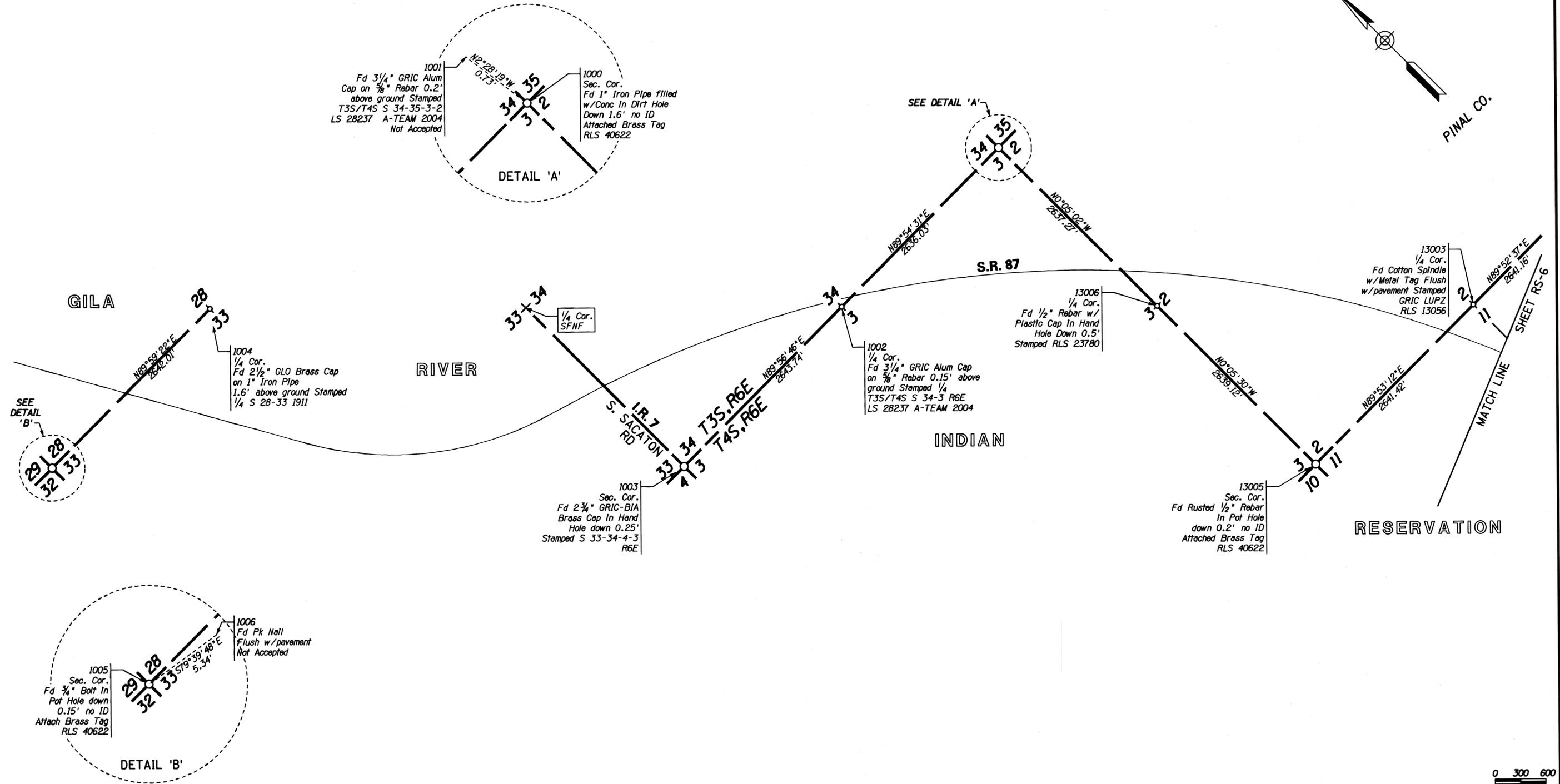
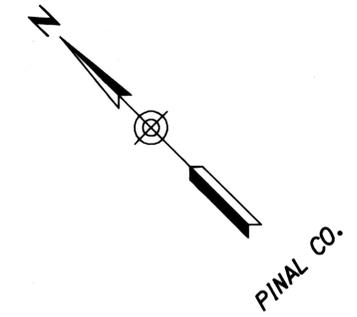
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CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	HIGHWAY NAME:	Picacho-Coolidge-Chandler-Mesa
				DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.:	087-A (202) A
				ADOT REVIEW	Steve McLain	PROJECT NO.:	087 PN 135 H7896 01R
				ROUTE NO.:	S.R. 87	LOCATION:	Jct. SR 287-Gila River



SHEET RS-4

# RESULTS OF SURVEY



0 300 600  
Scale

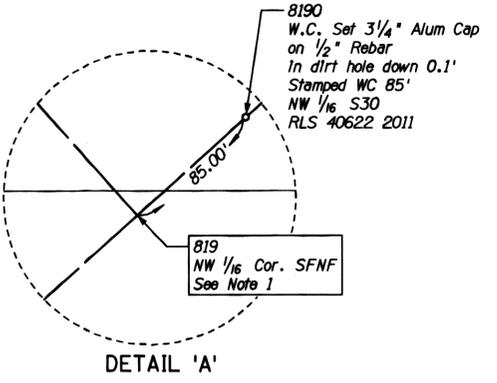
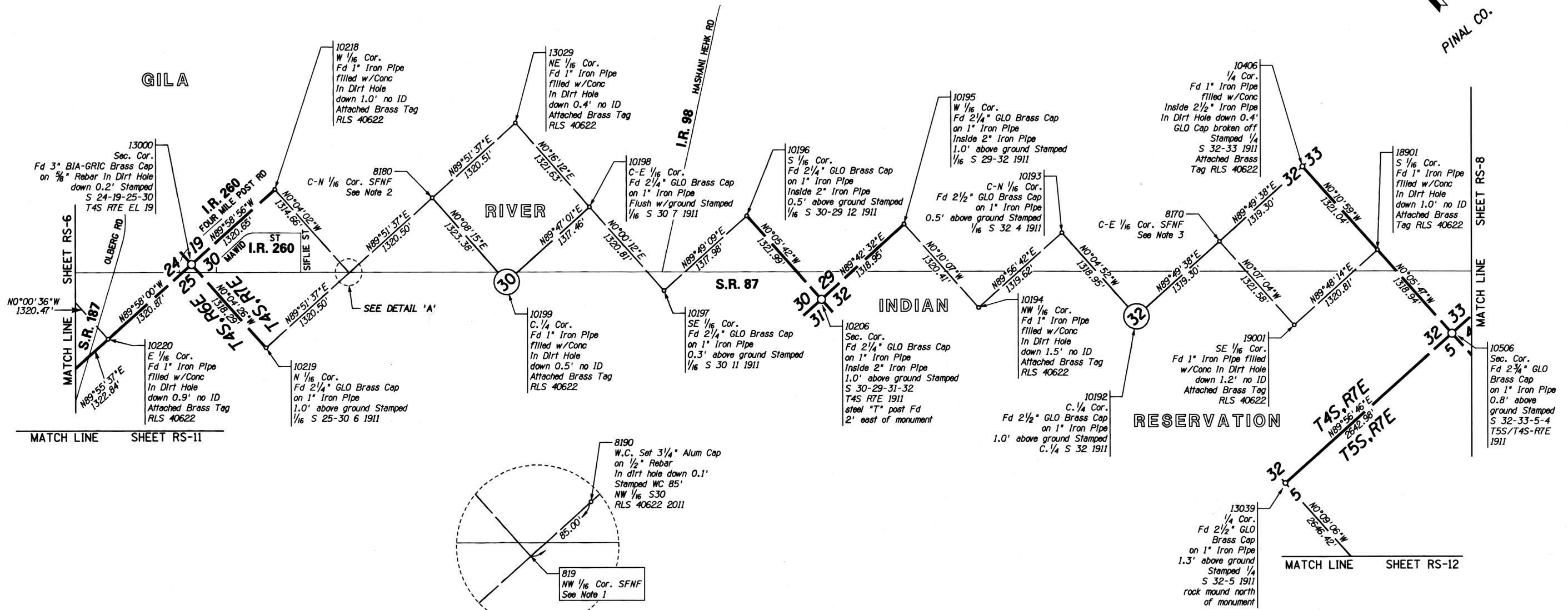
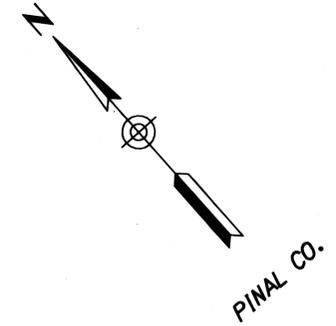
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C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	HIGHWAY NAME:	Picacho-Coolidge-Chandler-Mesa
				DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.:	087-A (202) A
				ADOT REVIEW	Steve McLain	PROJECT NO.:	087 PN 135 H7896 01R
						ROUTE NO.:	S.R. 87
						LOCATION:	Jct. SR 287-Gila River



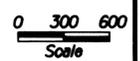
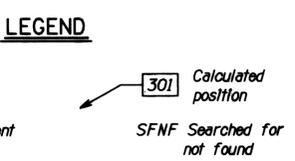
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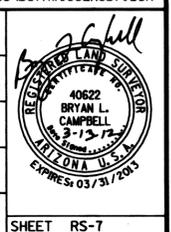
# RESULTS OF SURVEY



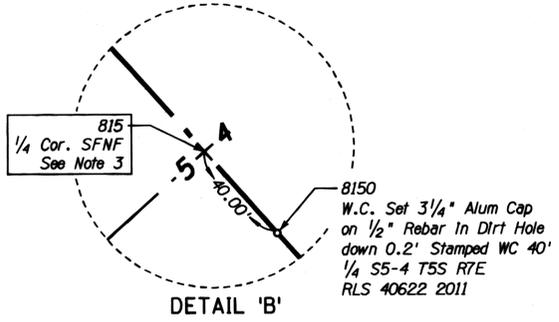
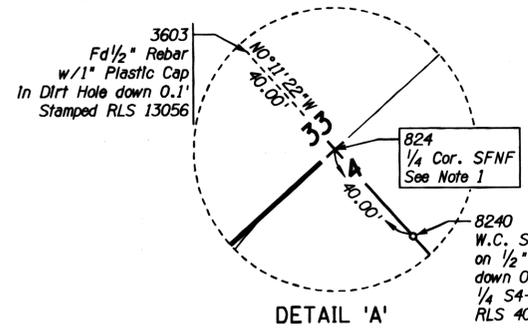
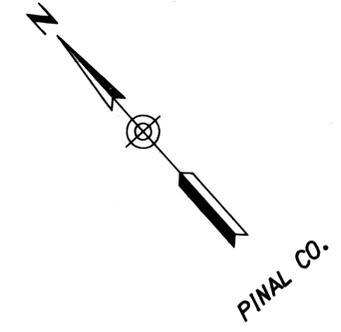
- NOTE**
1. Calculated by single proportion between points 10219 & 13029 Falls In Roadway. Set Witness Corner.
  2. Calculated by single proportion between points 10219 & 13029 Set 3/4" Alum Cap on 1/2" Rebar In Dirt hole down 0.2' Stamped C-N 1/16 S30 RLS 40622 2011
  3. Calculated by single proportion between points 10192 & 10406 Set 3/4" Alum Cap on 1/2" Rebar In Dirt hole down 0.7' Stamped C-E 1/16 S32 RLS 40622 2011
  4. The interior 1/16 corners (and other aliquot corners) within the Gila River Indian Reservation were established by the GLO; the lost 1/16 corners were re-established in the typical manner described in the BLM Manual using the original GLO notes.



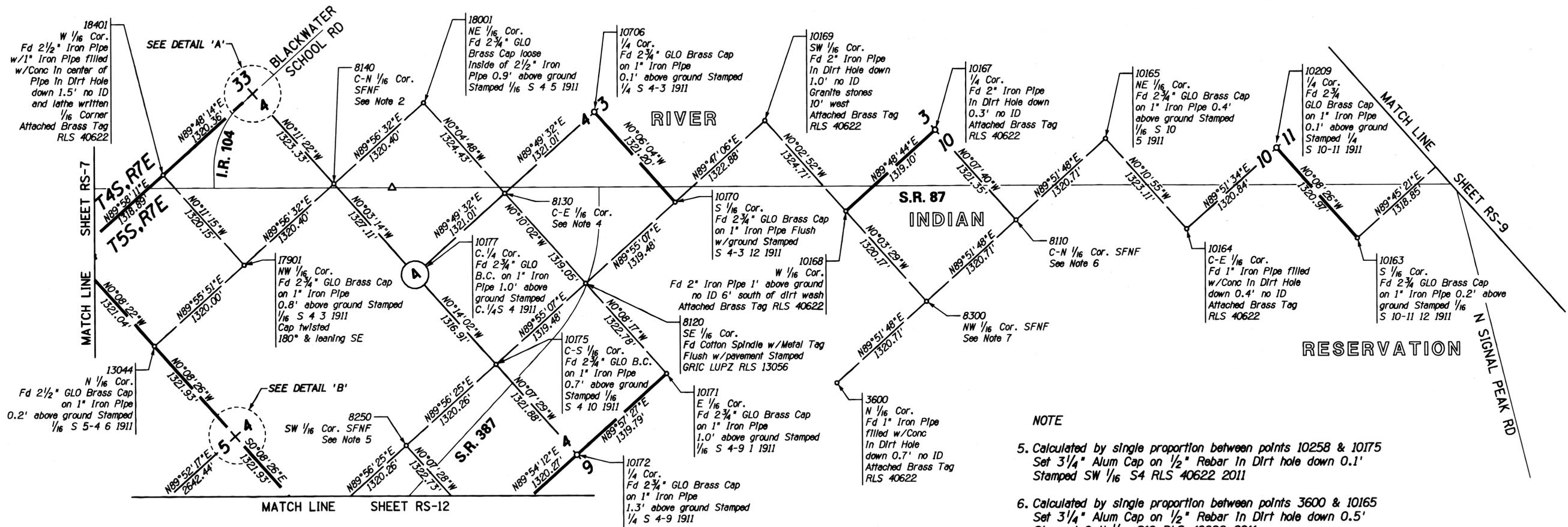
CHANGE ORDER REVISIONS				DRAWING NO.	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	D-11-T-489	HIGHWAY NAME: Picocho-Coolidge-Chandler-Mesa	
				Sept. 2010	FEDERAL AID NO.:	
				A.Grass/Dec 10	087-A (202) A	
				Steve McLain	PROJECT NO.:	
					087 PN 135 H7896 01R	
					ROUTE NO.:	
				S.R. 87	LOCATION: Jct. SR 287-Gila River	



# RESULTS OF SURVEY

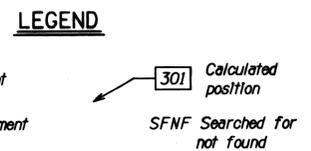


GILA

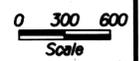


- NOTE
1. Calculated at 40.00' from found Black Water Road R/W monument, point 3603, on line w/C-N 1/16 Cor. 8140 Falls In Roadway. Set Witness Corner.
  2. Calculated by single proportion between points 17901 & 18001 Set 3/4" Alum Cap on 1/2" Rebar Flush w/ground Stamped C-N 1/16 S4 RLS 40622 2011
  3. Calculated by single proportion between points 13044 & 10258 Falls on sloping face of rock. Set Witness Corner.
  4. Fd 3/4" GRIC Alum Cap on 1/2" Rebar Flush W/ground Stamped LS 13056 2010

- NOTE
5. Calculated by single proportion between points 10258 & 10175 Set 3/4" Alum Cap on 1/2" Rebar In Dirt hole down 0.1' Stamped SW 1/16 S4 RLS 40622 2011
  6. Calculated by single proportion between points 3600 & 10165 Set 3/4" Alum Cap on 1/2" Rebar In Dirt hole down 0.5' Stamped C-N 1/16 S10 RLS 40622 2011
  7. Calculated by single proportion between points 3600 & 10165 Set 3/4" Alum Cap on 1/2" Rebar In dirt hole down 0.5' Stamped NW 1/16 S10 RLS 40622 2011
  8. The Interior 1/16 corners (and other aliquot corners) within the Gila River Indian Reservation were established by the GLO; the lost 1/16 corners were re-established in the typical manner described in the BLM Manual using the original GLO notes.



CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION		
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	HIGHWAY NAME: Pitacho-Coolidge-Chandler-Mesa		
				DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.:		
				ADDT REVIEW	Steve McLain	087-A (202) A		
						PROJECT NO.:		
						087 PN 135 H7896 01R		
				ROUTE NO.:	S.R. 87	LOCATION: Jct. SR 287-Gila River		



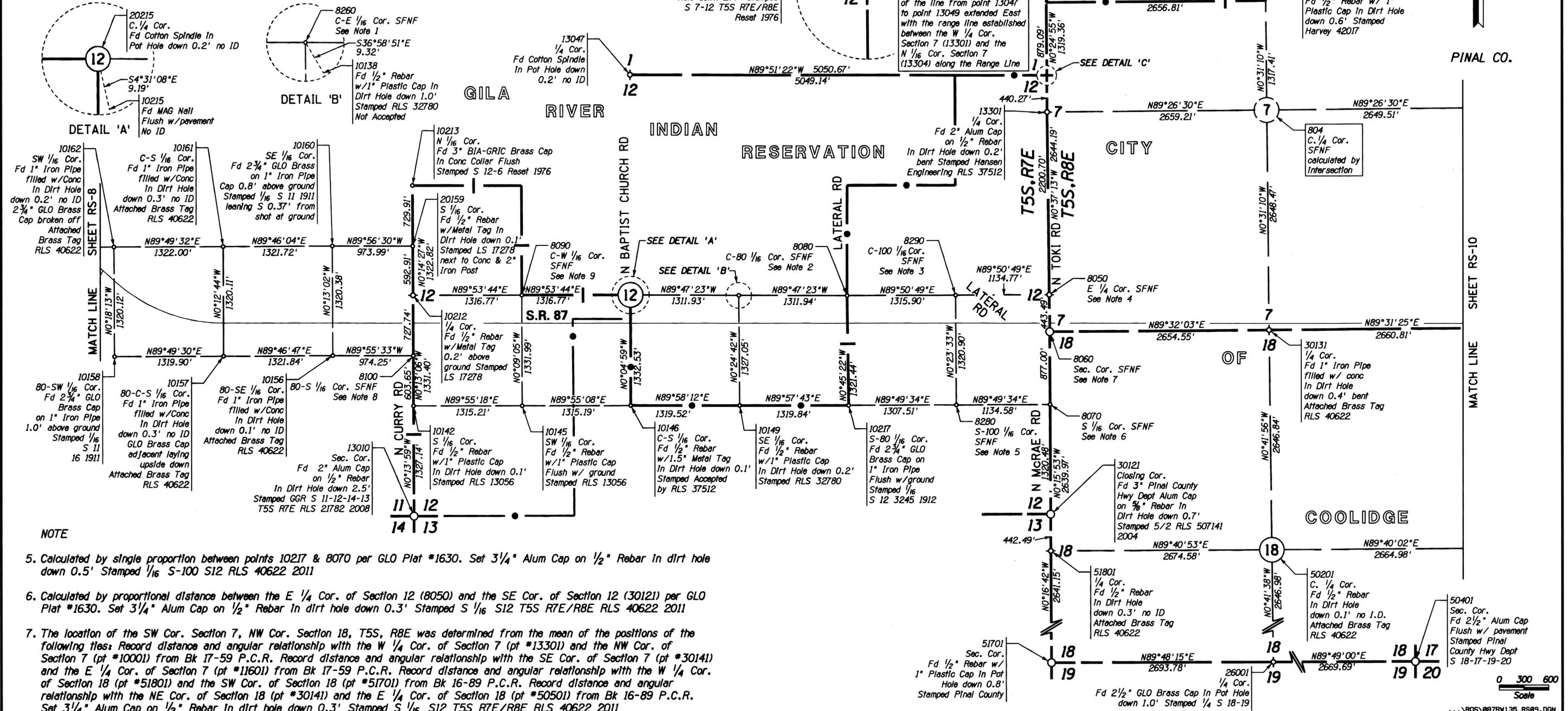
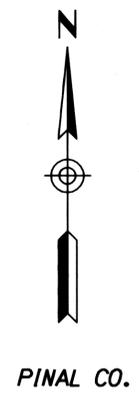
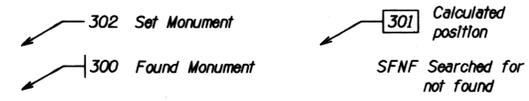
... \ROS\087R\135\_RS08.DGN

**NOTE**

1. Calculated by single proportion between points 20215 & 8080 per GLO Plat \*1630. Set 3/4" Alum Cap on 1/2" Rebar In dirt hole down 0.5' Stamped C-E 1/16 S12 RLS 40622 2011
2. Calculated by record distance and angular relationship with the center of Section 12 (20215) and W 1/4 Cor. Section 12 (10212) as shown in R.O.S. recorded in Bk. 19, Pg. 101, P.C.R. Set 3/4" Alum Cap on 1/2" Rebar In dirt hole down 0.5' Stamped C-80 1/16 S12 RLS 40622 2011
3. Calculated by single proportion between points 8080 & 8050 per GLO Plat \*1630. Set 3/4" Alum Cap on 1/2" Rebar In dirt hole down 1.3' Stamped 1/16 C-100 S12 RLS 40622 2011
4. Calculated by proportion distance between the NE Cor. Section 12 (827) and the SE Cor. Section 12 (30121) along the Range Line per GLO Plat \*1630. Set 3/4" Alum Cap on 1/2" Rebar In Dirt hole down 0.5' Stamped 1/4 S12 T5S R7E/R8E RLS 40622 2011

# RESULTS OF SURVEY

**LEGEND**

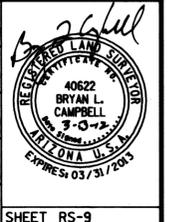


**NOTE**

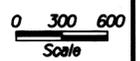
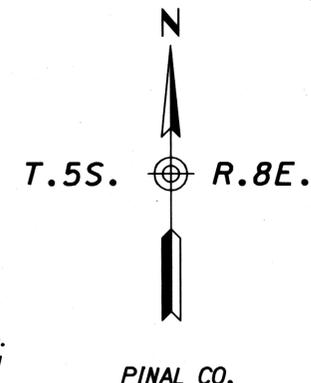
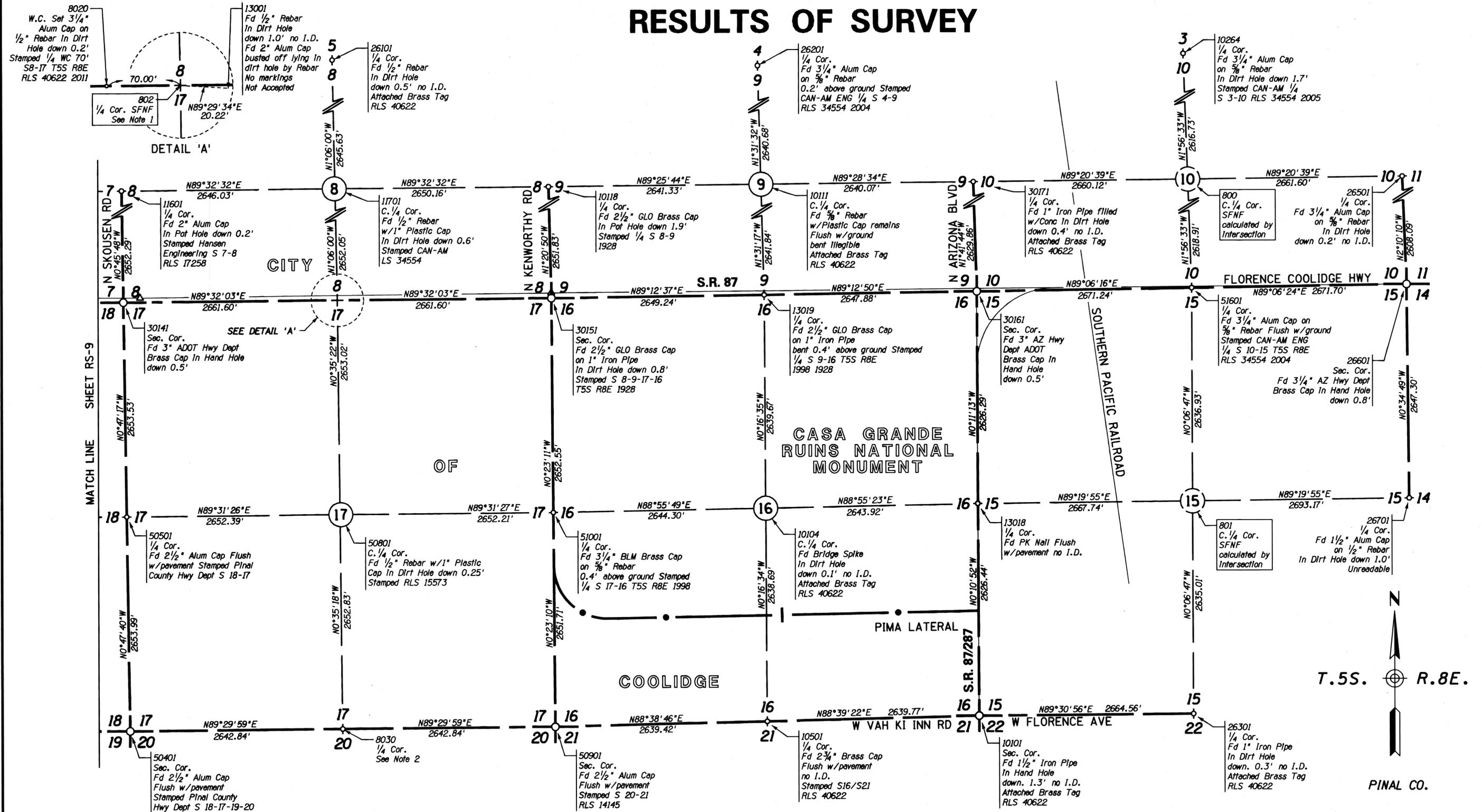
5. Calculated by single proportion between points 10217 & 8070 per GLO Plat \*1630. Set 3/4" Alum Cap on 1/2" Rebar In dirt hole down 0.5' Stamped 1/16 S-100 S12 RLS 40622 2011
6. Calculated by proportional distance between the E 1/4 Cor. of Section 12 (8050) and the SE Cor. of Section 12 (30121) per GLO Plat \*1630. Set 3/4" Alum Cap on 1/2" Rebar In dirt hole down 0.3' Stamped S 1/16 S12 T5S R7E/R8E RLS 40622 2011
7. The location of the SW Cor. Section 7, NW Cor. Section 18, T5S, R8E was determined from the mean of the positions of the following lines: Record distance and angular relationship with the W 1/4 Cor. of Section 7 (pt \*13301) and the NW Cor. of Section 7 (pt \*10001) from Bk 17-59 P.C.R. Record distance and angular relationship with the SE Cor. of Section 7 (pt \*30141) and the E 1/4 Cor. of Section 7 (pt \*11601) from Bk 17-59 P.C.R. Record distance and angular relationship with the W 1/4 Cor. of Section 18 (pt \*51801) and the SW Cor. of Section 18 (pt \*51701) from Bk 16-89 P.C.R. Record distance and angular relationship with the NE Cor. of Section 18 (pt \*30141) and the E 1/4 Cor. of Section 18 (pt \*50501) from Bk 16-89 P.C.R. Set 3/4" Alum Cap on 1/2" Rebar In dirt hole down 0.3' Stamped S 1/16 S12 T5S R7E/R8E RLS 40622 2011
8. Calculated by single proportion between points 13010 & 10212 per GLO Plat \*1630. Set 3/4" Alum Cap on 1/2" Rebar In dirt hole down 0.5' Stamped 1/16 80 S11 RLS 40622 2011
9. Calculated by single proportion between points 10212 & 20215 per GLO Plat \*1630. Set 3/4" Alum Cap on 1/2" Rebar In dirt hole down 0.5' Stamped W 1/16 S12 RLS 40622 2011
10. The Interior 1/16 corners (and other allotment corners) within the Gila River Indian Reservation were established by the GLO; the lost 1/16 corners were re-established in the typical manner described in the BLM Manual using the original GLO notes.

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

DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION
SURVEY	Sept. 2010	
DRAWN/DATE	A.Grass/Dec 10	HIGHWAY NAME: Picocho-Coolidge-Chandler-Mesa
ADOT REVIEW	Steve McLain	FEDERAL AID NO.:
<b>amec</b>	ROUTE NO.:	PROJECT NO.:
LOCATION:	Jct. SR 287-Gila River	
Scale: 0 300 600		SHEET RS-9



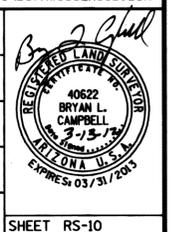
# RESULTS OF SURVEY



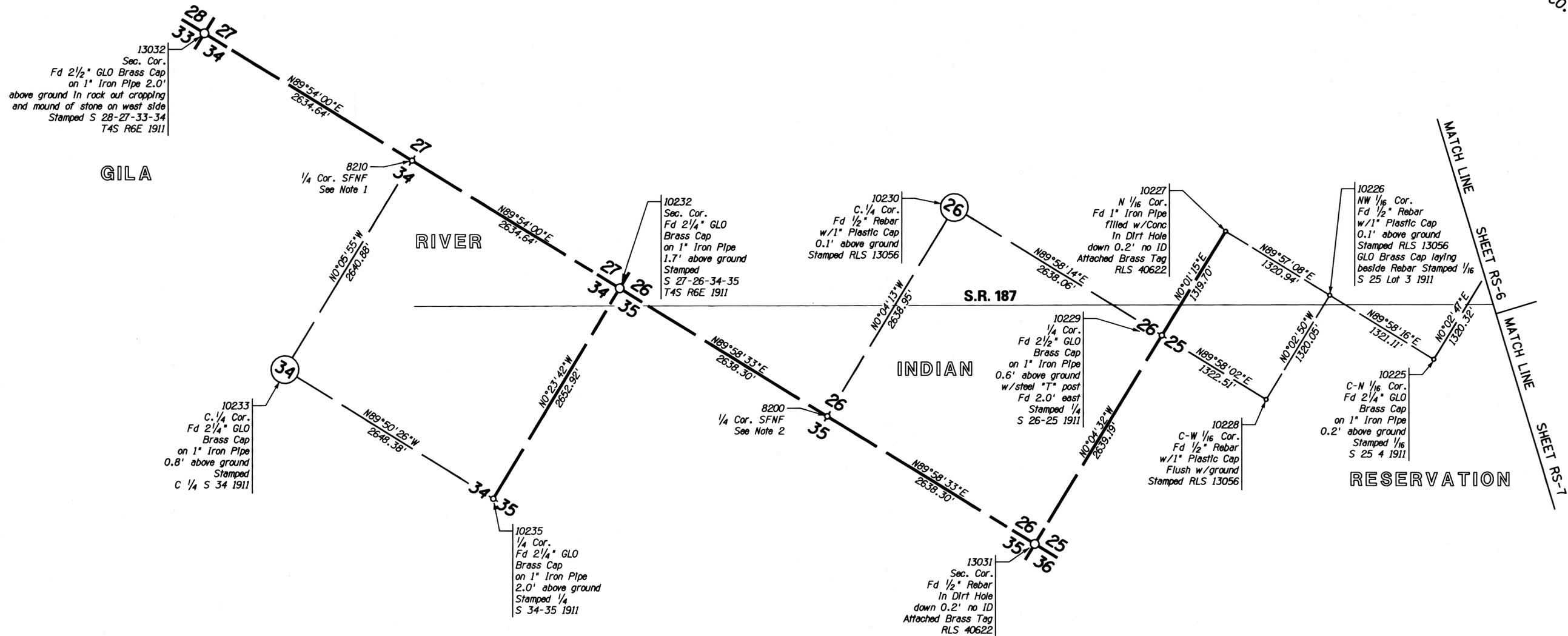
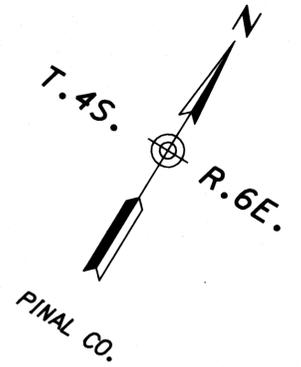
- NOTE**
1. Calculated by single proportion between points 30141 & 30151 According to Bk. 9, Pg. 8 and Bk. 19, Pg. 127. Fd W.C. from Bk. 19 Pg. 127 N89°29'34"E 20.22' (Disturbed) Pt #13001 Falls In Ditch. Set Witness Corner.
  2. Calculated by single proportion between points 50401 & 50901 Set 3/4" Alum Cap on 1/2" Rebar Flush w/ground Stamped 1/4 S17-20 T5S R8E RLS 40622 2011

- LEGEND**
- 302 Set Monument
  - 301 Calculated position
  - 300 Found Monument
  - SFNF Searched for not found

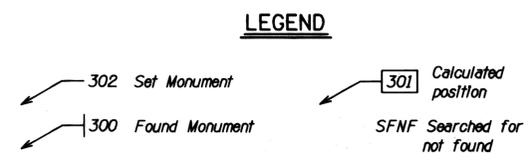
CHANGE ORDER REVISIONS				DRAWING NO.	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	D-11-T-489	HIGHWAY NAME: Picacho-Coolidge-Chandler-Mesa	
				Sept. 2010	FEDERAL AID NO.: 087-A (202) A	
				A.Grass/Dec 10	PROJECT NO.: 087 PN 135 H7896 01R	
				Steve McLain	ROUTE NO.: S.R. 87	
					LOCATION: Jct. SR 287-Gila River	



# RESULTS OF SURVEY



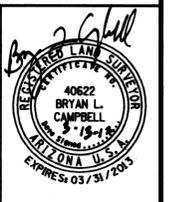
- NOTE**
1. Calculated by single proportion between points 13032 & 10232  
Set 3/4" Alum Cap on 1/2" Rebar In dirt hole down 0.4'  
Stamped 1/4 S27-34 T4S R6E RLS 40622 2011
  2. Calculated by single proportion between points 10232 & 13031  
Set 3/4" Alum Cap on 1/2" Rebar In dirt hole down 0.3'  
Stamped 1/4 S26-35 T4S R6E RLS 40622 2011



0 300 600  
Scale

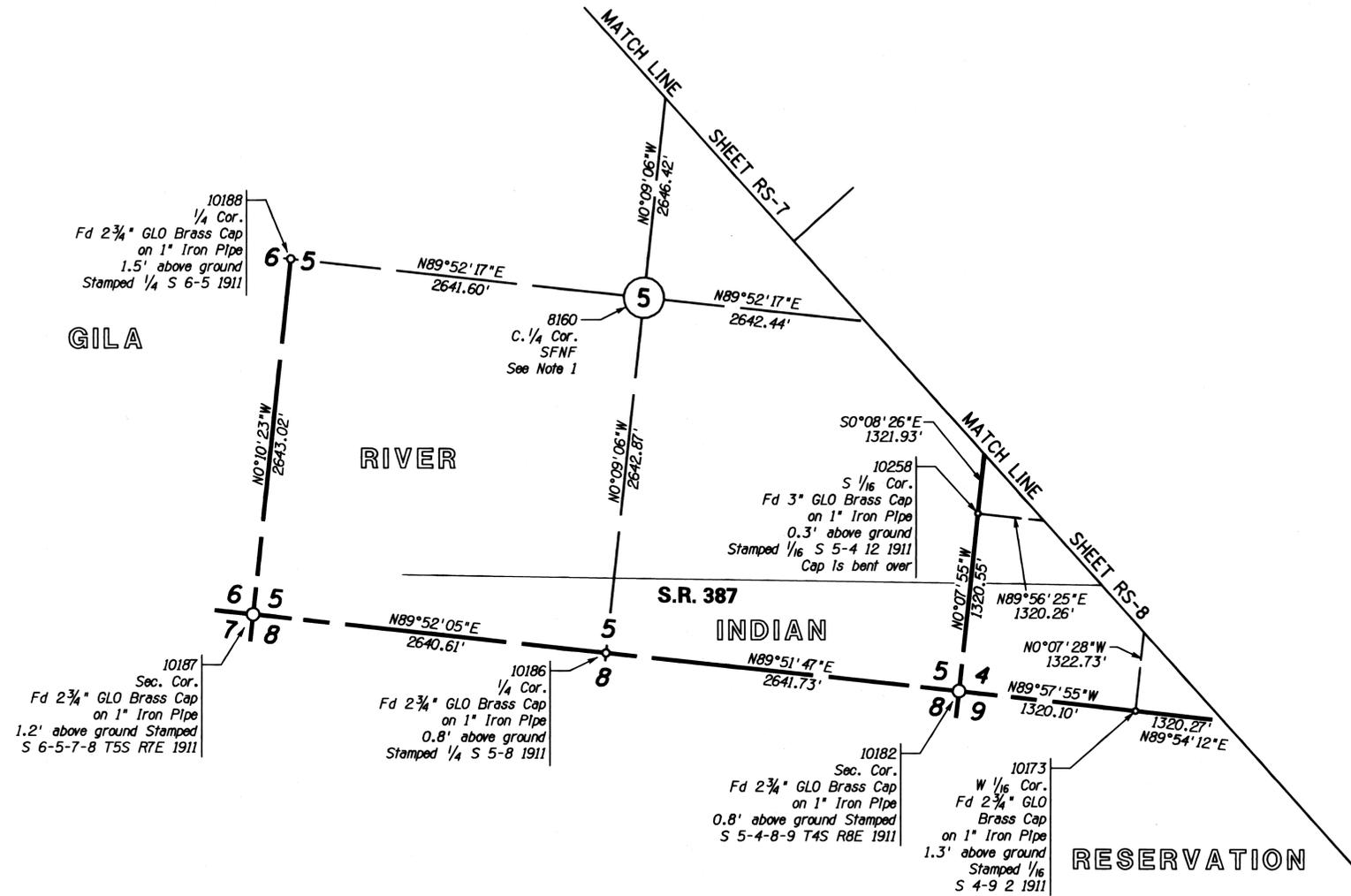
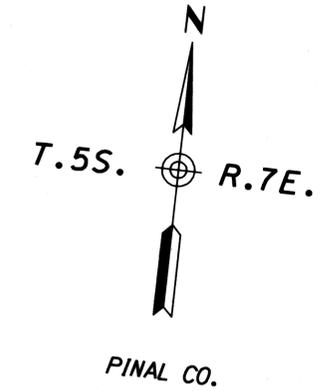
... \ROS\087RW135\_RS11.DGN

CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	INTERMODAL TRANSPORTATION DIVISION
				DRAWN/DATE	A.Grass/Dec 10	RIGHT OF WAY PLANS SECTION
				ADOT REVIEW	Steve McLain	HIGHWAY NAME:
						Picacho-Coolidge-Chandler-Mesa
						FEDERAL AID NO.:
				ROUTE NO.:	S.R. 87	PROJECT NO.:
				LOCATION:	Jct. SR 287-Gila River	087 PN 135 H7896 01R



SHEET RS-11

# RESULTS OF SURVEY



0 300 600  
Scale

**LEGEND**

- 302 Set Monument
- 300 Found Monument
- 301 Calculated position
- SFNF Searched for not found

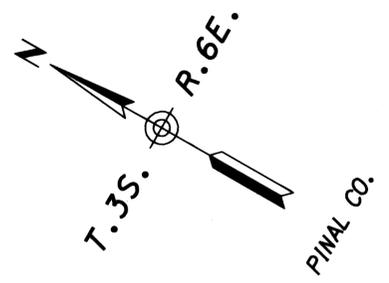
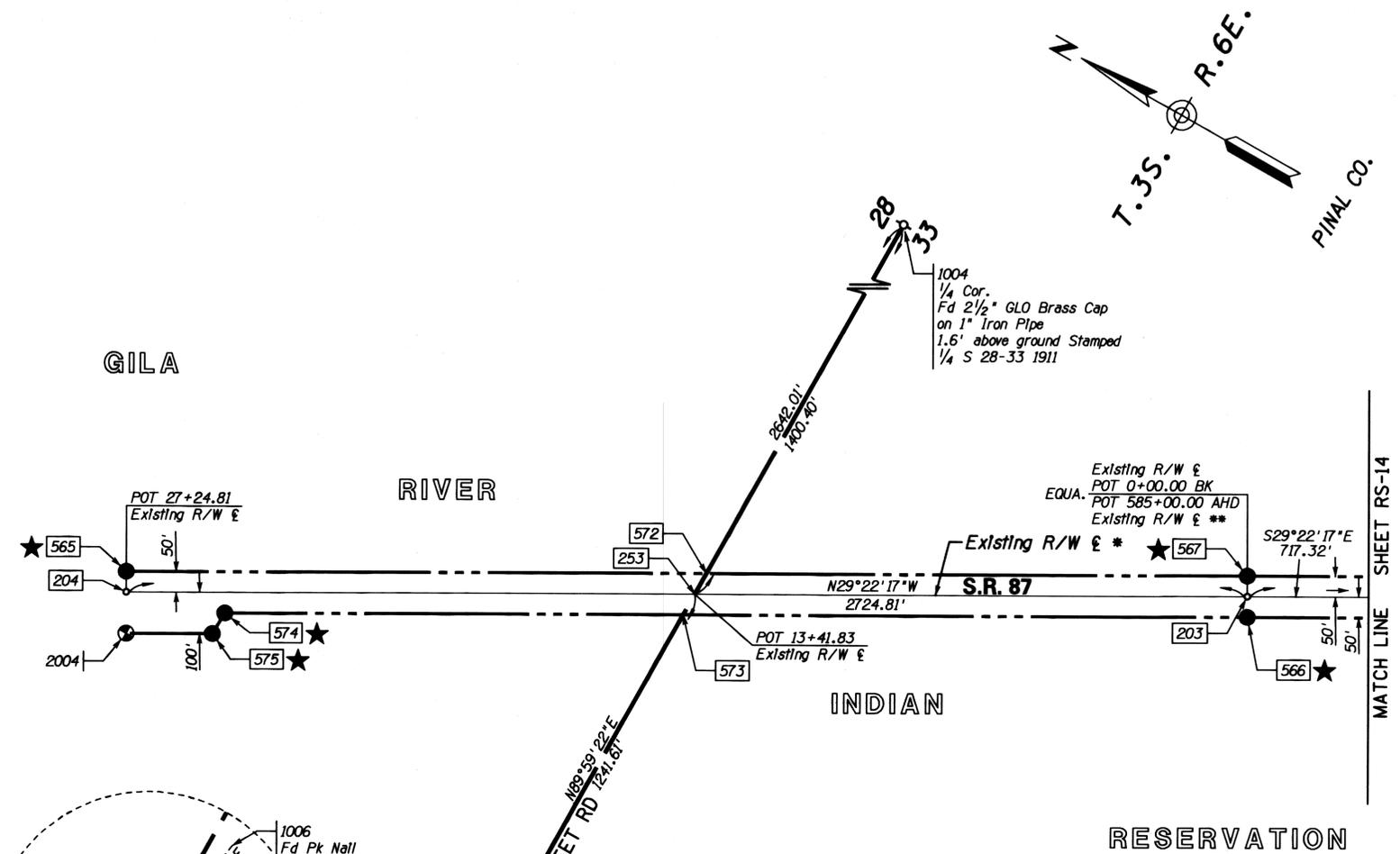
**NOTE**

1. Calculated by Intersection. Set 3 1/4" Alum Cap on 1/2" Rebar In dirt hole down 0.5' Stamped C 1/4 S5 T5S R7E RLS 40622 2011

CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	HIGHWAY NAME: Picocho-Coolidge-Chandler-Mesa	
				DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.:	
				ADOT REVIEW	Steve McLain	087-A (202) A	
				<b>amec</b>		PROJECT NO.:	
						087 PN 135 H7896 01R	
				ROUTE NO.:	S.R. 87	LOCATION:	Jct. SR 287-Gila River

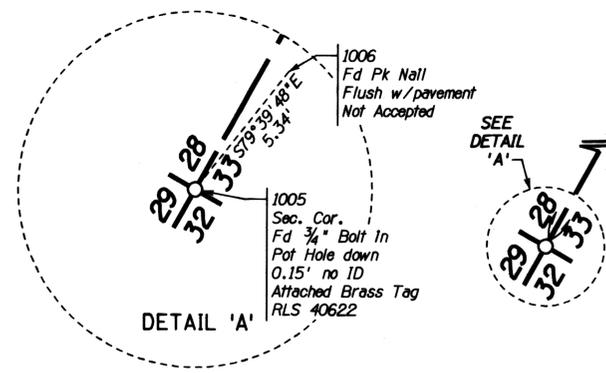


# RESULTS OF SURVEY

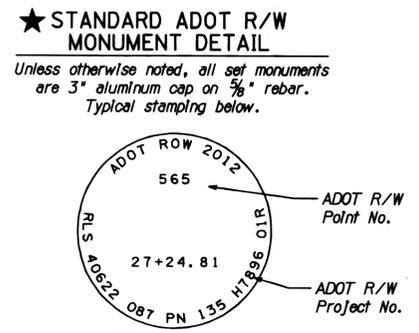


**NOTE**  
 S.R. 87 EXISTING R/W & STATIONING FROM STA. POT 27+24.81 TO STA. POT 0+00.00 BK IS BASED ON HOLDING STA. 27+24.81 AT FOUND RIGHT OF WAY MONUMENT PT. \*2004 BEING 100' RIGHT OF & AS SHOWN ON RIGHT OF WAY STRIP MAP A-11-T-380.

S.R. 87 EXISTING R/W & STATIONING FROM STA. POT 585+00.00 AHD TO STA. PC 627+45.39 BK IS BASED ON STA. 585+00.00 AS SHOWN ON RIGHT OF WAY STRIP MAP A-11-T-348, BEING ACCEPTED AS THE SAME POINT AS STA. 0+00 AS SHOWN ON RIGHT OF WAY STRIP MAP A-11-T-380, THE LOCATION OF WHICH BEING ESTABLISHED BY DISTANCE FROM FOUND R/W MONUMENT PT. \*2004.



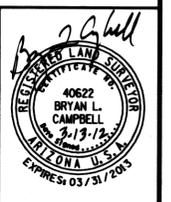
- LEGEND**
- 302 Set Monument
  - 300 Found Monument
  - SFNF Searched for not found
  - New R/W monument
  - 301 Calculated position
  - ⊕ Existing ADOT R/W monument
  - ★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in November/December 2012.



Existing R/W & \* is the same as S.R. 87 Exst. & Constr. & shown on R/W Strip Map A-11-T-380  
 Existing R/W & \*\* is the same as S.R. 87 & shown on R/W Strip Map A-11-T-348

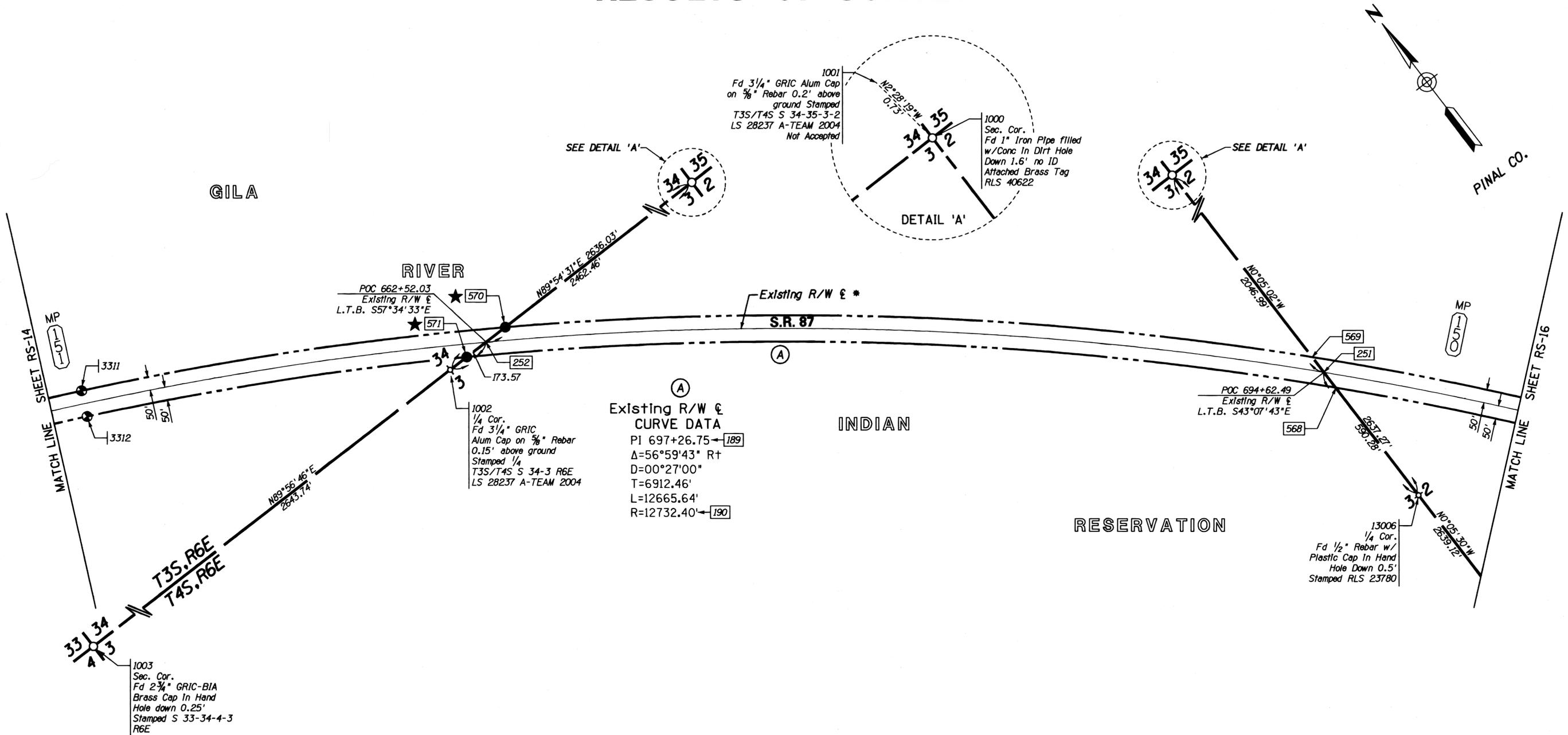
0 100 200  
 Scale

CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	
				DRAWN/DATE	A.Grass/Dec 10	HIGHWAY NAME: Picocho-Coolidge-Chandler-Mesa
				ADOT REVIEW	Steve McLain	FEDERAL AID NO.: 087-A (202) A
				<b>amec</b>		PROJECT NO.: 087 PN 135 H7896 01R
						ROUTE NO.: S.R. 87



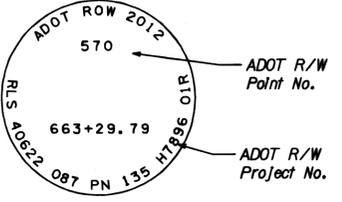


# RESULTS OF SURVEY



**NOTE**  
 S.R. 87 EXISTING R/W & STATIONING FROM STA. PC 628+14.29 AHD TO STA. PT 902+50.77 BK IS BASED ON HOLDING STA. PT 754+79.93 AT FOUND R/W MONUMENT PT. \*3110 BEING 50' RIGHT OF & AS SHOWN ERRONEOUSLY AS STA. PT 755+79.91 ON R/W STRIP MAP A-11-T-327.

★ STANDARD ADOT R/W MONUMENT DETAIL  
 Unless otherwise noted, all set monuments are 3" aluminum cap on 3/8" rebar. Typical stamping below.



- LEGEND**
- 302 Set Monument
  - 300 Found Monument
  - SFNF Searched for not found
  - New R/W monument
  - 301 Calculated position
  - Existing ADOT R/W monument
  - Unless otherwise noted, set standard ADOT R/W monument at calculated position in November/December 2012.

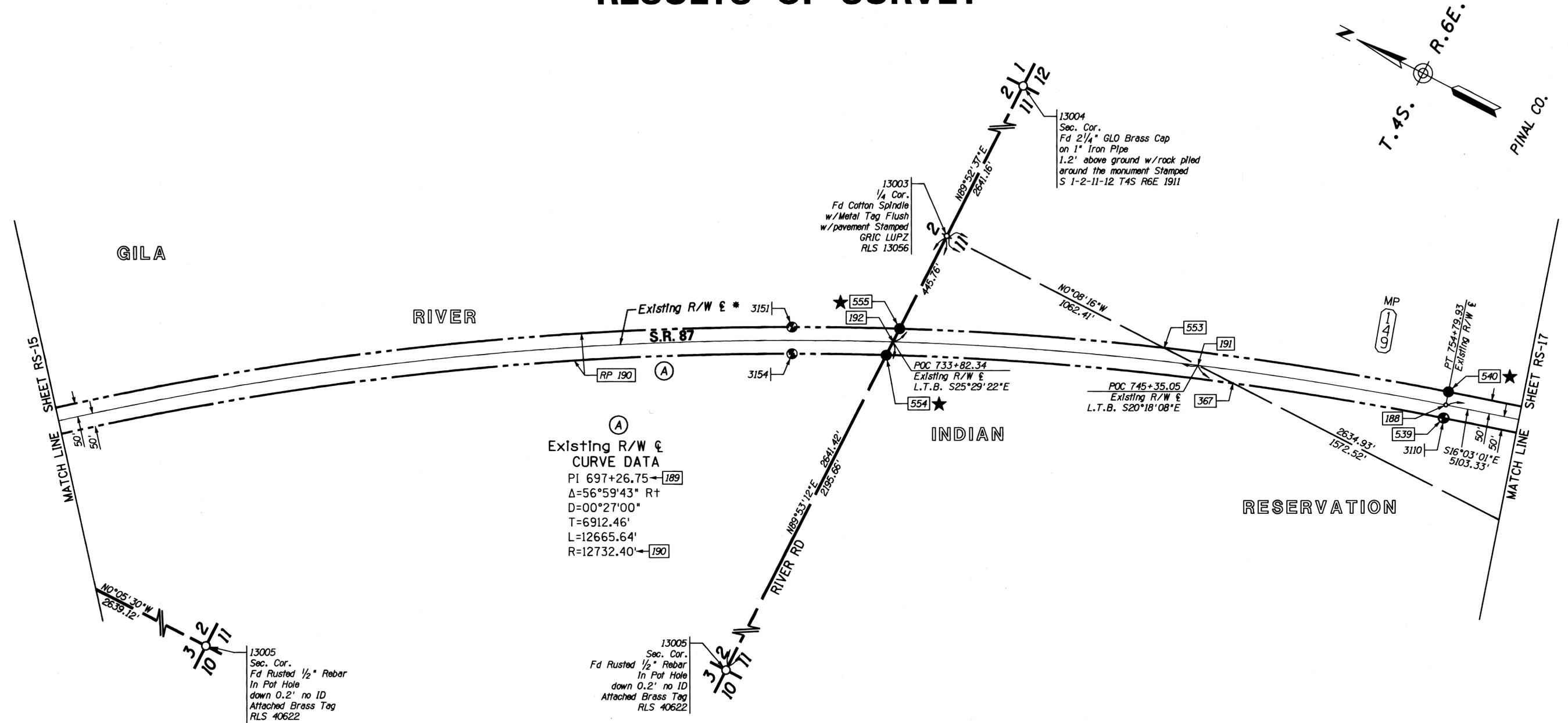
Existing R/W & \* is the same as S.R. 87 & shown on R/W Strip Map A-11-T-327

CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	HIGHWAY NAME: Picacho-Coolidge-Chandler-Mesa	
				DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.:	
				ADOT REVIEW	Steve McLain	087-A (202) A	
						PROJECT NO.:	
						087 PN 135 H7896 01R	
				ROUTE NO.:	S.R. 87	LOCATION:	Jct. SR 287-Gila River

0 100 200  
Scale



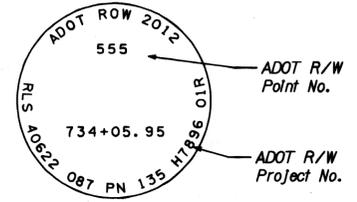
# RESULTS OF SURVEY



**(A) Existing R/W & CURVE DATA**  
 PI 697+26.75 ← 189  
 $\Delta = 56^{\circ}59'43''$  R+  
 $D = 00^{\circ}27'00''$   
 $T = 6912.46'$   
 $L = 12665.64'$   
 $R = 12732.40'$  ← 190

**NOTE**  
 S.R. 87 EXISTING R/W & STATIONING FROM STA. PC 628+14.29 AHD TO STA. PT 902+50.77 BK IS BASED ON HOLDING STA. PT 754+79.93 AT FOUND R/W MONUMENT PT. \*3110 BEING 50' RIGHT OF & AS SHOWN ERRONEOUSLY AS STA. PT 755+79.91 ON R/W STRIP MAP A-11-T-327.

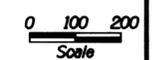
**★ STANDARD ADOT R/W MONUMENT DETAIL**  
 Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8" rebar. Typical stamping below.



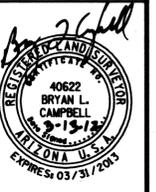
- LEGEND**
- ← 302 Set Monument
  - ← 300 Found Monument
  - SFNF Searched for not found
  - New R/W monument
  - 301 Calculated position
  - ⊕ Existing ADOT R/W monument
  - ★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in November/December 2012.

Existing R/W & \* Is the same as S.R. 87 & shown on R/W Strip Map A-11-T-327

CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	HIGHWAY NAME:	Picacho-Coolidge-Chandler-Mesa
				DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.:	087-A (202) A
				ADOT REVIEW	Steve McLain	PROJECT NO.:	087 PN 135 H7896 01R
				ROUTE NO.: <td>S.R. 87</td> <th>LOCATION:</th> <td>Jct. SR 287-Gila River</td>	S.R. 87	LOCATION:	Jct. SR 287-Gila River

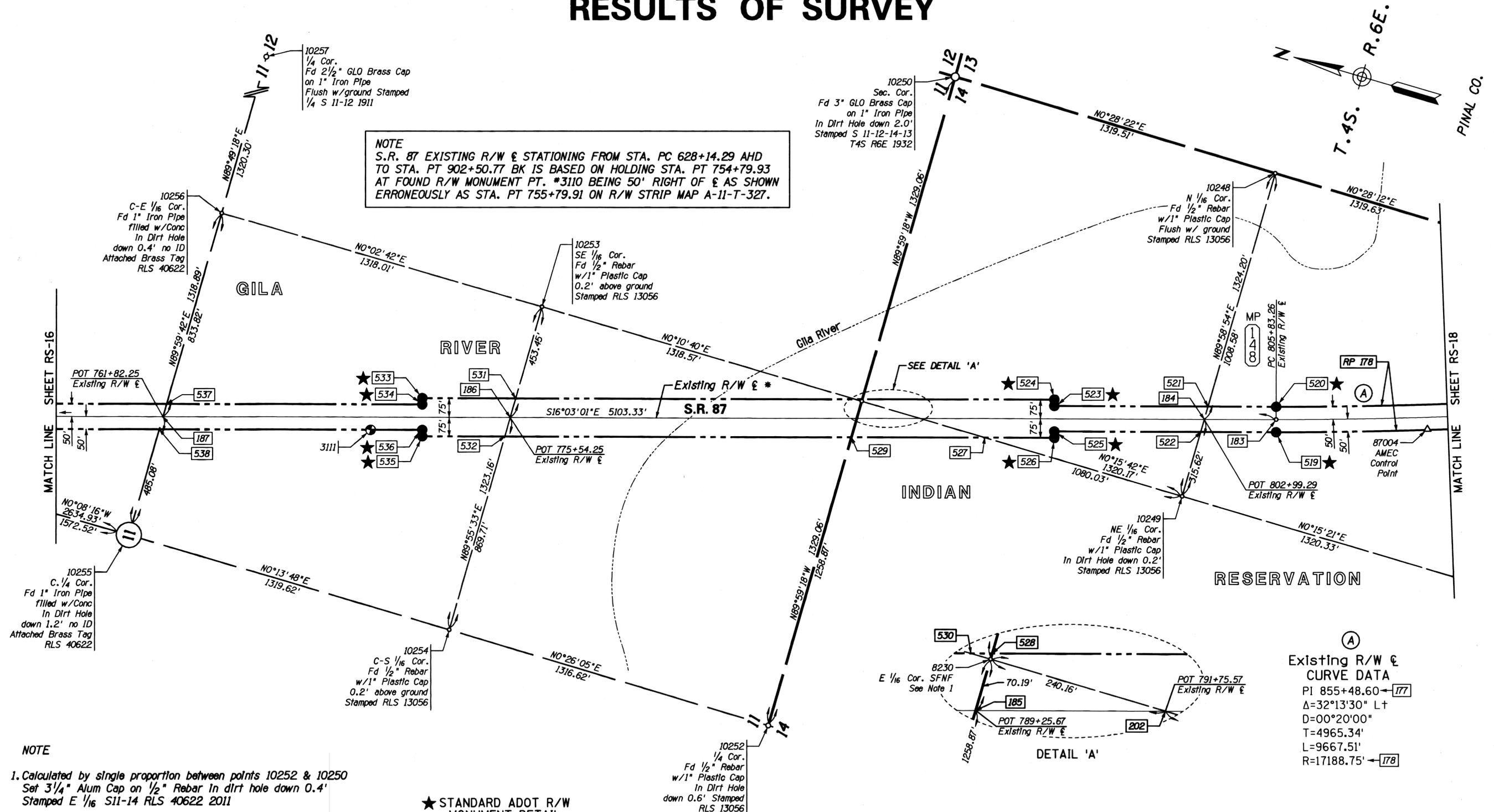


Scale



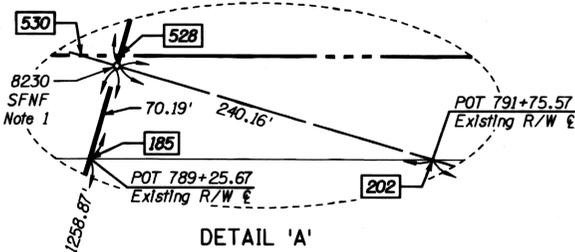
SHEET RS-16

# RESULTS OF SURVEY



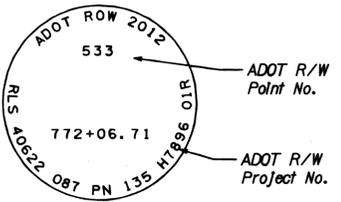
**NOTE**  
 S.R. 87 EXISTING R/W & STATIONING FROM STA. PC 628+14.29 AHD TO STA. PT 902+50.77 BK IS BASED ON HOLDING STA. PT 754+79.93 AT FOUND R/W MONUMENT PT. \*3110 BEING 50' RIGHT OF & AS SHOWN ERRONEOUSLY AS STA. PT 755+79.91 ON R/W STRIP MAP A-11-T-327.

**(A)**  
 Existing R/W & CURVE DATA  
 PI 855+48.60 ← 177  
 Δ=32°13'30" L+  
 D=00°20'00"  
 T=4965.34'  
 L=9667.51'  
 R=17188.75' ← 178



**NOTE**  
 1. Calculated by single proportion between points 10252 & 10250  
 Set 3/4" Alum Cap on 1/2" Rebar In dirt hole down 0.4'  
 Stamped E 1/16 S11-14 RLS 40622 2011

★ **STANDARD ADOT R/W MONUMENT DETAIL**  
 Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8" rebar. Typical stamping below.



- LEGEND**
- ← 302 Set Monument
  - ← 300 Found Monument
  - SFNF Searched for not found
  - New R/W monument
  - 301 Calculated position
  - ⊕ Existing ADOT R/W monument
  - ★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in November/December 2012.

Existing R/W & \* is the same as S.R. 87 & shown on R/W Strip Map A-11-T-327

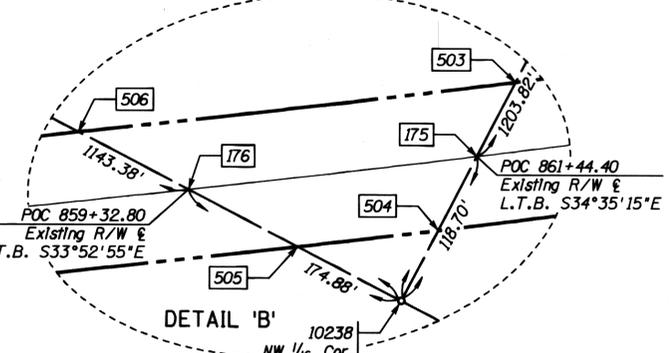
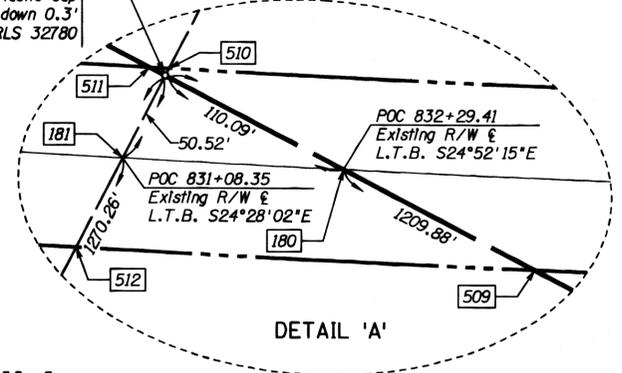
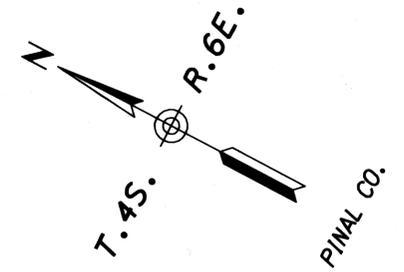
CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	
				DRAWN/DATE	A.Grass/Dec 10	HIGHWAY NAME: Picacho-Coolidge-Chandler-Mesa
				ADOT REVIEW	Steve McLain	FEDERAL AID NO.:
				<b>amec</b>		087-A (202) A
						PROJECT NO.:
				ROUTE NO.:	S.R. 87	LOCATION: Jct. SR 287-Gila River

0 100 200  
Scale

...ROS\087RW135\_RS17.DGN



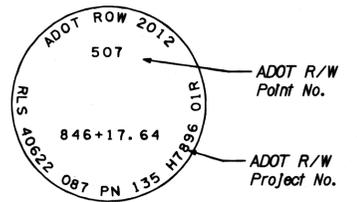
# RESULTS OF SURVEY



**Existing R/W & CURVE DATA**  
 PI 855+48.60  
 $\Delta=32^{\circ}13'30''$  Lt  
 $D=00^{\circ}20'00''$   
 $T=4965.34'$   
 $L=9667.51'$   
 $R=17188.75'$

**NOTE**  
 S.R. 87 EXISTING R/W & STATIONING FROM STA. PC 628+14.29 AHD TO STA. PT 902+50.77 BK IS BASED ON HOLDING STA. PT 754+79.93 AT FOUND R/W MONUMENT PT. \*3110 BEING 50' RIGHT OF & AS SHOWN ERRONEOUSLY AS STA. PT 755+79.91 ON R/W STRIP MAP A-11-T-327.

★ STANDARD ADOT R/W MONUMENT DETAIL  
 Unless otherwise noted, all set monuments are 3" aluminum cap on 3/8" rebar. Typical stamping below.

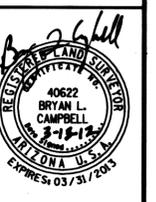
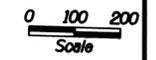


**LEGEND**

- ← 302 Set Monument
- ← 300 Found Monument
- SFNF Searched for not found
- New R/W monument
- 301 Calculated position
- ⊙ Existing ADOT R/W monument
- ★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in November/December 2012.

Existing R/W & \* is the same as S.R. 87 & shown on R/W Strip Map A-11-T-327

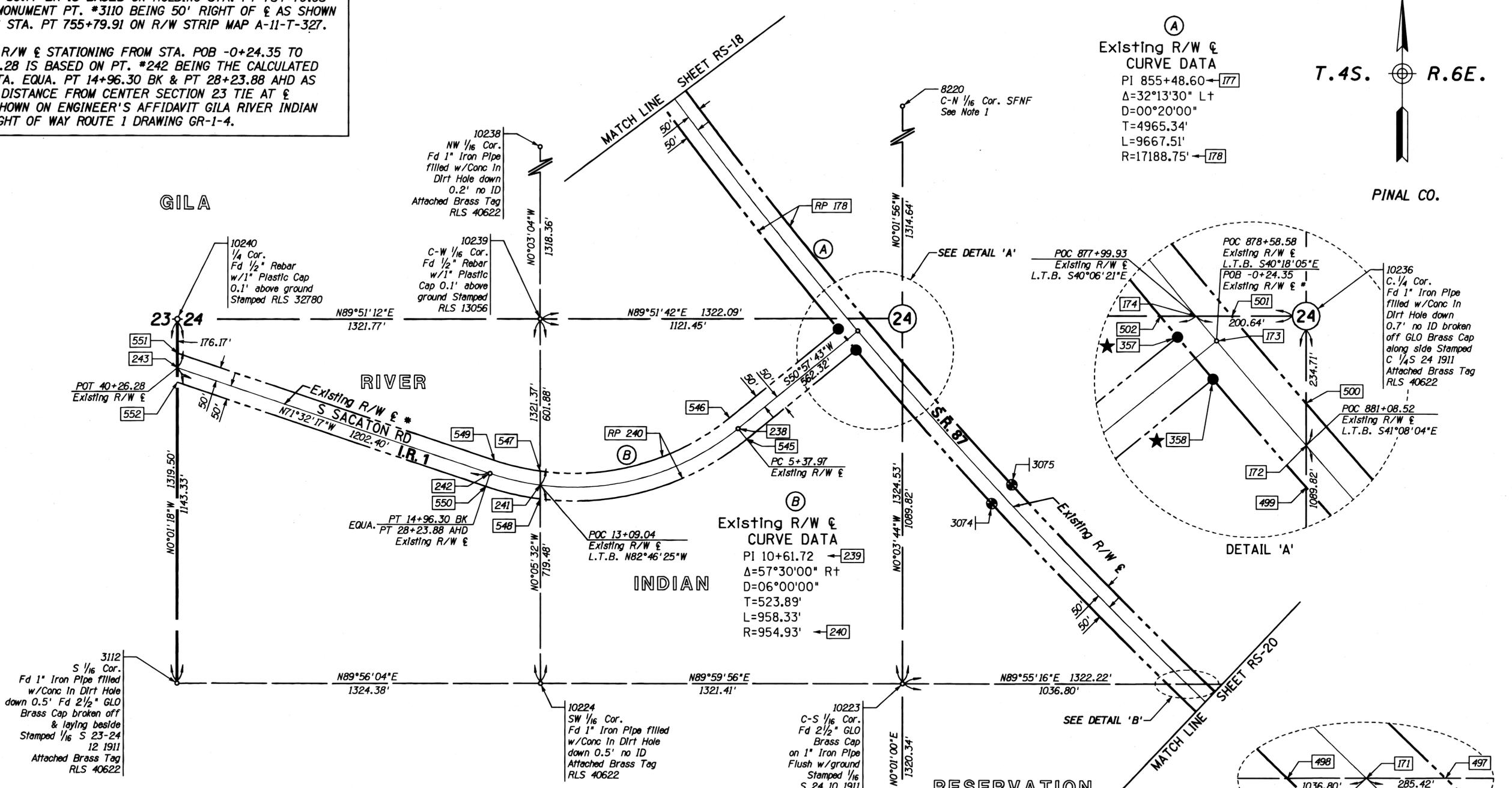
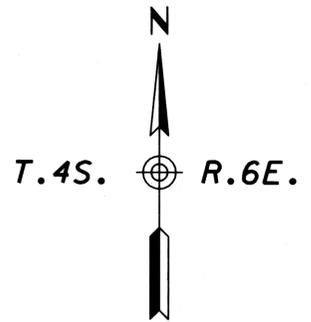
CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	
				DRAWN/DATE	A.Grass/Dec 10	HIGHWAY NAME: Piochoo-Coolidge-Chandler-Mesa
				ADOT REVIEW	Steve McLain	FEDERAL AID NO.:
						PROJECT NO.:
						087-A (202) A
				ROUTE NO.:	S.R. 87	LOCATION:
						Jct. SR 287-Gila River



# RESULTS OF SURVEY

**NOTE**  
 S.R. 87 EXISTING R/W & STATIONING FROM STA. PC 628+14.29 AHD TO STA. PT 902+50.77 BK IS BASED ON HOLDING STA. PT 754+79.93 AT FOUND R/W MONUMENT PT. \*3110 BEING 50' RIGHT OF & AS SHOWN ERRONEOUSLY AS STA. PT 755+79.91 ON R/W STRIP MAP A-11-T-327.

I.R. 1 EXISTING R/W & STATIONING FROM STA. POB -0+24.35 TO STA. POT 40+26.28 IS BASED ON PT. \*242 BEING THE CALCULATED POSITION FOR STA. EQUA. PT 14+96.30 BK & PT 28+23.88 AHD AS DETERMINED BY DISTANCE FROM CENTER SECTION 23 TIE AT & STA. 68+11.05 SHOWN ON ENGINEER'S AFFIDAVIT GILA RIVER INDIAN RESERVATION RIGHT OF WAY ROUTE 1 DRAWING GR-1-4.

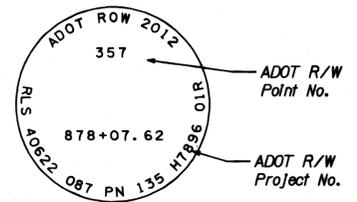


**(A)**  
 Existing R/W &  
 CURVE DATA  
 PI 855+48.60 ← 177  
 $\Delta = 32^\circ 13' 30''$  L+  
 D=00°20'00"  
 T=4965.34'  
 L=9667.51'  
 R=17188.75' ← 178

**(B)**  
 Existing R/W &  
 CURVE DATA  
 PI 10+61.72 ← 239  
 $\Delta = 57^\circ 30' 00''$  R+  
 D=06°00'00"  
 T=523.89'  
 L=958.33'  
 R=954.93' ← 240

Existing R/W & is the same as S.R. 87 & shown on R/W Strip Map A-11-T-327 & As-Built Project No. FA 97-B  
 Existing R/W & \* is the same as I.R. 1 & shown on Engineer's Affidavit Gila River Indian Reservation, Right Of Way Map, Route 1 Drawing GR-1-4

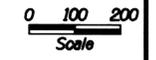
**★ STANDARD ADOT R/W MONUMENT DETAIL**  
 Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8" rebar. Typical stamping below.



- LEGEND**
- ← 302 Set Monument
  - ← 300 Found Monument
  - ← SFNF Searched for not found
  - New R/W monument
  - 301 Calculated position
  - ⊕ Existing ADOT R/W monument
  - ★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in November/December 2012.

**NOTE**  
 1. Calculated by single proportion between points 10238 & 13022 Set 3/4" Alum Cap on 1/2" Rebar in dirt hole down 1.5' Stamped N 1/16 S24 RLS 40622 2011

CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	
				DRAWN/DATE	A.Grass/Dec 10	HIGHWAY NAME: Picocho-Coolidge-Chandler-Mesa
				ADOT REVIEW	Steve McLain	FEDERAL AID NO.:
				<b>amec</b>		087-A (202) A
						PROJECT NO.:
				ROUTE NO.:	S.R. 87	LOCATION: Jct. SR 287-Gila River



**NOTE**  
 S.R. 87 EXISTING R/W & STATIONING FROM STA. PC 628+14.29 AHD TO STA. PT 902+50.77 BK IS BASED ON HOLDING STA. PT 754+79.93 AT FOUND R/W MONUMENT PT. \*3110 BEING 50' RIGHT OF & AS SHOWN ERRONEOUSLY AS STA. PT 755+79.91 ON R/W STRIP MAP A-11-T-327.

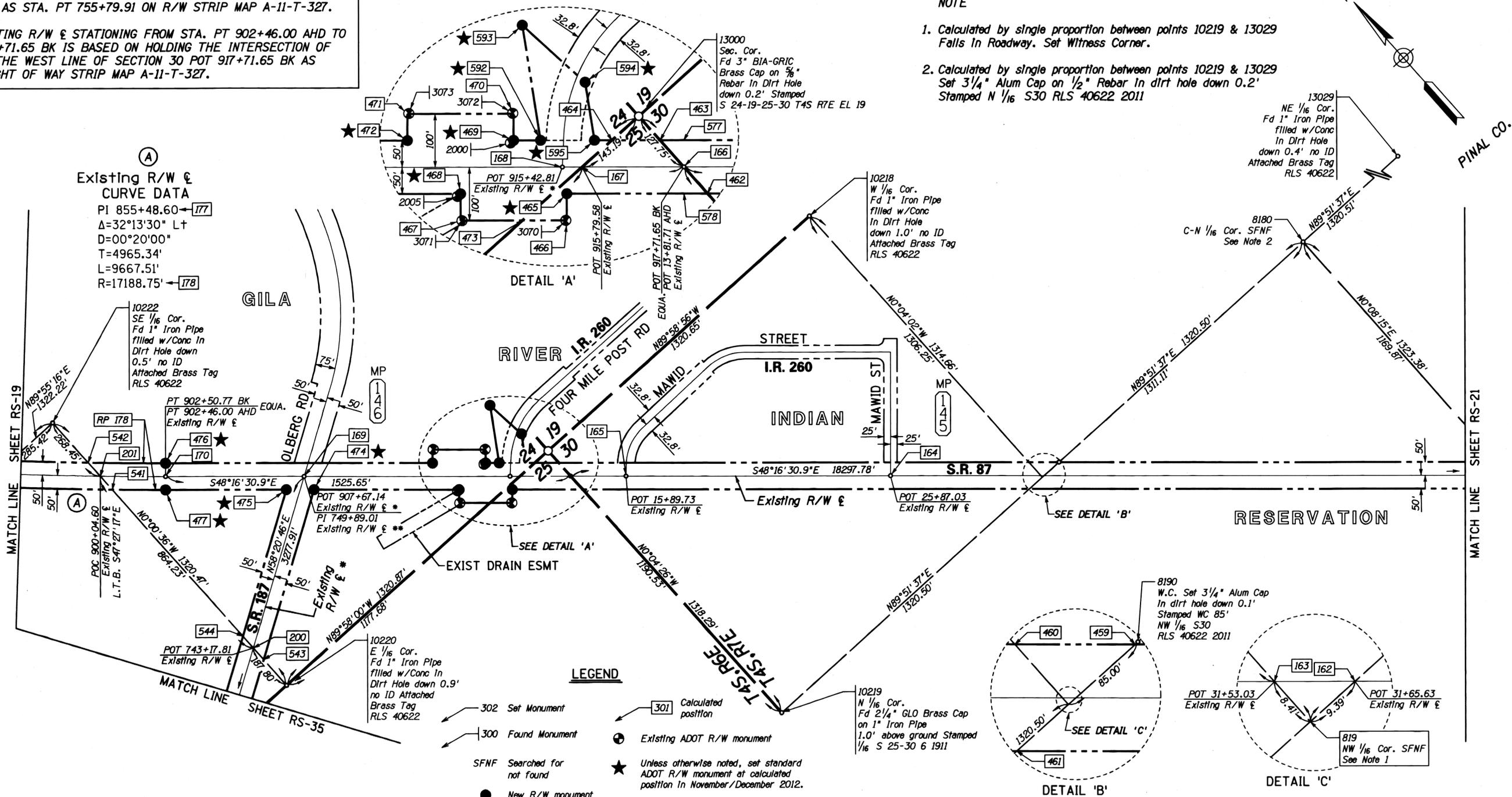
S.R. 87 EXISTING R/W & STATIONING FROM STA. PT 902+46.00 AHD TO STA. POT 917+71.65 BK IS BASED ON HOLDING THE INTERSECTION OF THE & WITH THE WEST LINE OF SECTION 30 POT 917+71.65 BK AS SHOWN ON RIGHT OF WAY STRIP MAP A-11-T-327.

# RESULTS OF SURVEY

NOTE

1. Calculated by single proportion between points 10219 & 13029 Falls In Roadway. Set Witness Corner.

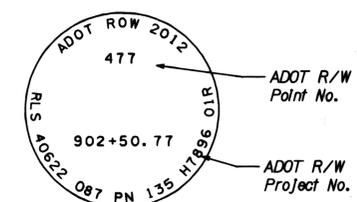
2. Calculated by single proportion between points 10219 & 13029 Set 3/4" Alum Cap on 1/2" Rebar in dirt hole down 0.2' Stamped N 1/16 S30 RLS 40622 2011



**NOTE**  
 S.R. 87 EXISTING R/W & STATIONING FROM STA. POT 13+81.71 AHD TO STA. PI 484+71.83 BK IS BASED ON PT. \*127 BEING THE CALCULATED POSITION FOR PC 315+31.50 AS DETERMINED BY FITTING CURVE TO & TANGENTS RESOLVED BY LINEAR REGRESSION FROM SECTION MONUMENT TIES AS SHOWN ON AS-BUILT PROJECT NO. FA 97-B.

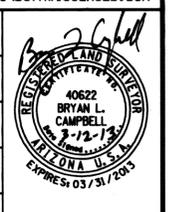
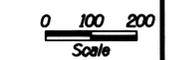
S.R. 187 EXISTING R/W & STATIONING FROM STA. POT 717+11.10 AHD TO STA. PI 749+89.01 IS BASED ON HOLDING POT 717+11.10 AT FOUND R/W MONUMENT PT. \*10279 BEING 50' LT OF & AS SHOWN ON STATE HIGHWAY CASA GRANDE-SACATON U.S. WORKS PROGRAM HIGHWAY AS-BUILT PROJECT NO. W.P.M.S. 122.

★ STANDARD ADOT R/W MONUMENT DETAIL  
 Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8" rebar. Typical stamping below.

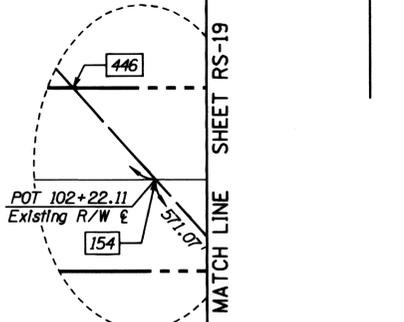
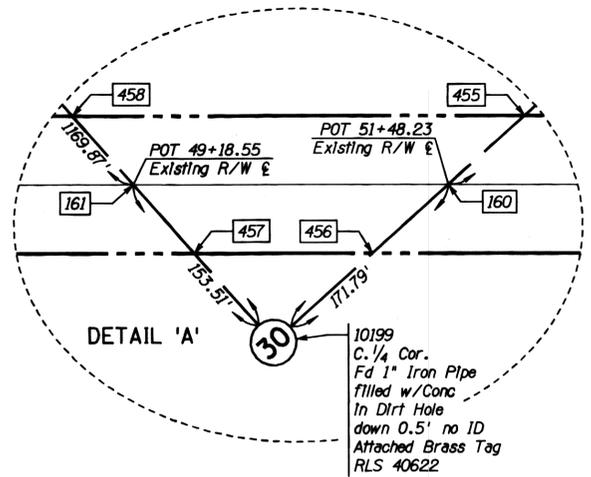
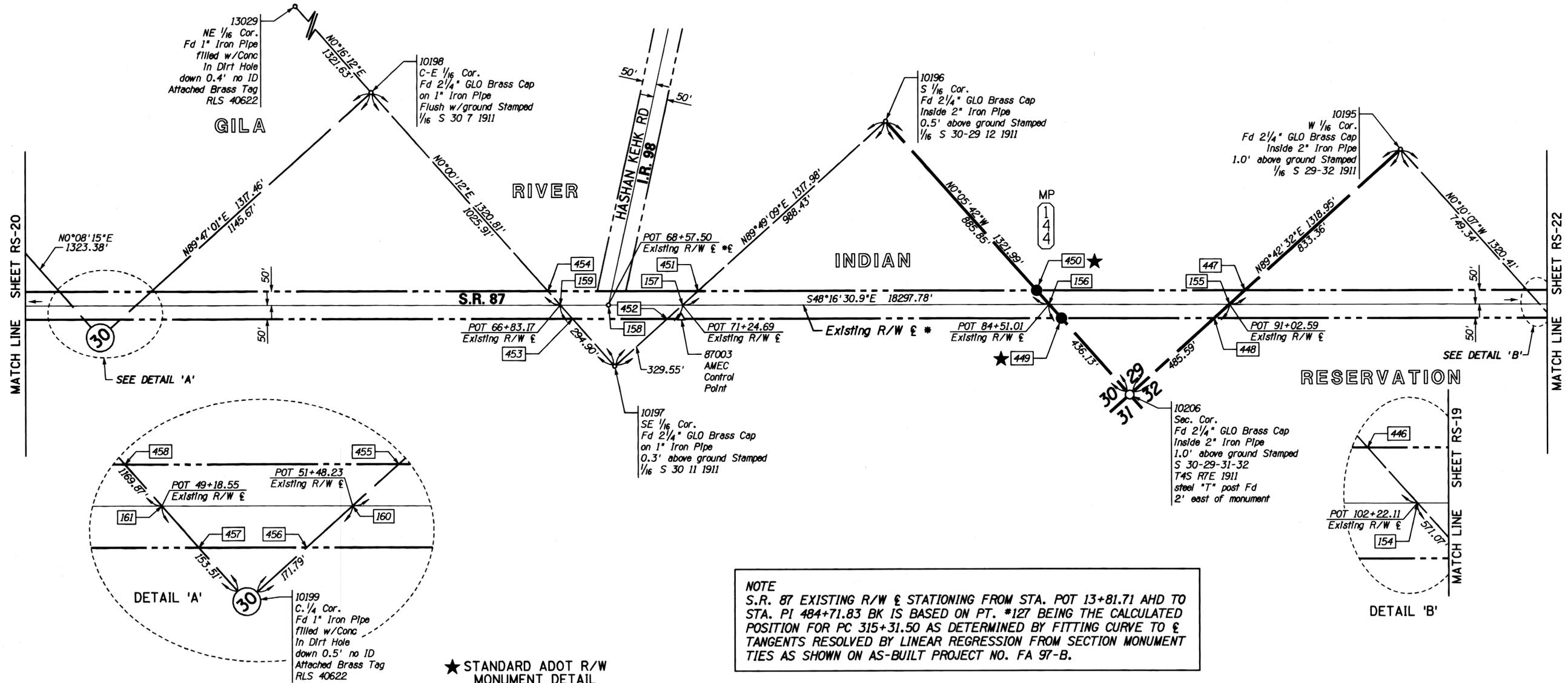
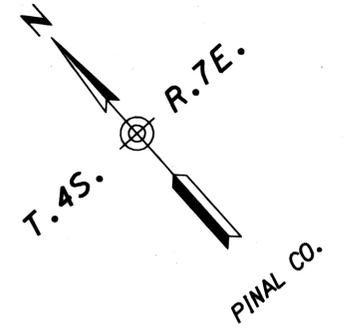


Existing R/W & is the same as S.R. 87 & shown on R/W Strip Map A-11-T-327 & As-Built Project No. FA 97-B  
 Existing R/W & \* is the same as S.R. 187 & shown on State Highway Casa Grande-Sacaton U.S. Works Program Highway As-Built Project No. W.P.M.S. 122

CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	HIGHWAY NAME: Picacho-Coolidge-Chandler-Mesa	
				DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.:	
				ADOT REVIEW	Steve McLain	087-A (202) A	
						PROJECT NO.:	
						087 PN 135 H7896 01R	
				ROUTE NO.:	S.R. 87	LOCATION: Jct. SR 287-Gila River	

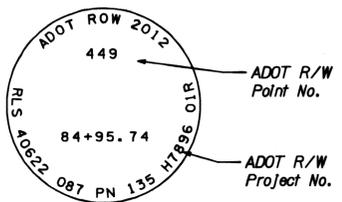


# RESULTS OF SURVEY



**NOTE**  
 S.R. 87 EXISTING R/W & STATIONING FROM STA. POT 13+81.71 AHD TO STA. PI 484+71.83 BK IS BASED ON PT. \*127 BEING THE CALCULATED POSITION FOR PC 315+31.50 AS DETERMINED BY FITTING CURVE TO & TANGENTS RESOLVED BY LINEAR REGRESSION FROM SECTION MONUMENT TIES AS SHOWN ON AS-BUILT PROJECT NO. FA 97-B.

★ STANDARD ADOT R/W MONUMENT DETAIL  
 Unless otherwise noted, all set monuments are 3" aluminum cap on 3/8" rebar. Typical stamping below.

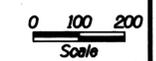


**LEGEND**

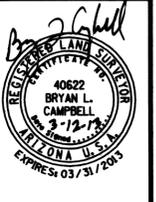
- 302 Set Monument
- 300 Found Monument
- SFNF Searched for not found
- New R/W monument
- 301 Calculated position
- ⊕ Existing ADOT R/W monument
- ★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in November/December 2012.

Existing R/W & \* is the same as S.R. 87 & shown on As-Built Project No. FA 97-B.

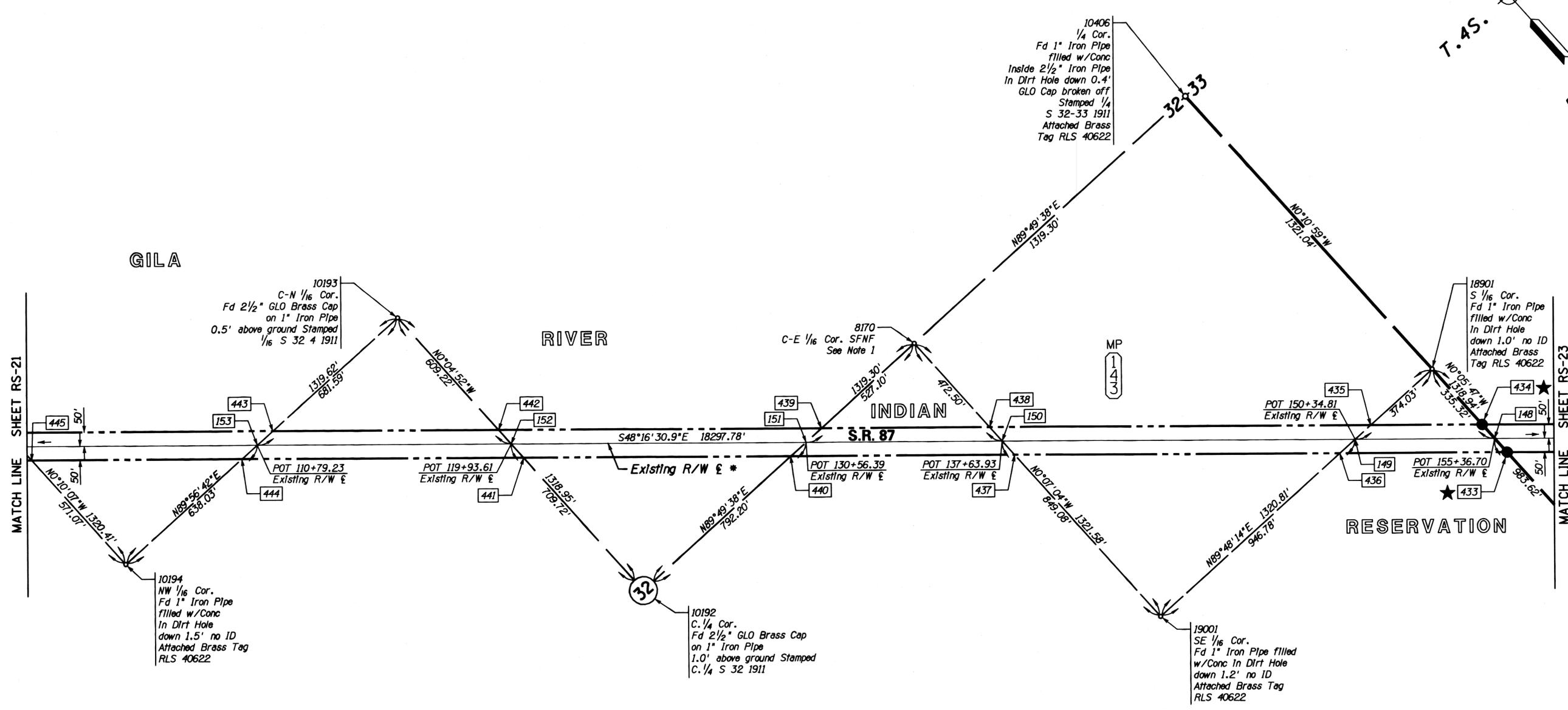
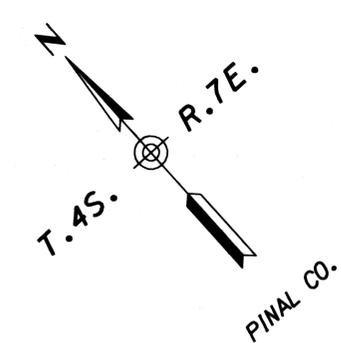
CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	
				DRAWN/DATE	A.Grass/Dec 10	HIGHWAY NAME: Picocho-Coolidge-Chandler-Mesa
				ADOT REVIEW	Steve McLain	FEDERAL AID NO.:
						PROJECT NO.:
						087-A (202) A
				ROUTE NO.:	S.R. 87	LOCATION:
						087 PN 135 H7896 01R
						Jct. SR 287-Gila River



Scale  
 ... \ROS\087RW135\_RS21.DGN



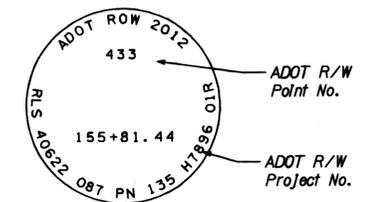
# RESULTS OF SURVEY



**NOTE**  
 1. Calculated by single proportion between points 10192 & 10406  
 Set 3/4" Alum Cap on 1/2" Rebar in dirt hole down 0.7'  
 Stamped E 1/16 S32 RLS 40622 2011

**NOTE**  
 S.R. 87 EXISTING R/W & STATIONING FROM STA. POT 13+81.71 AHD TO STA. PI 484+71.83 BK IS BASED ON PT. \*127 BEING THE CALCULATED POSITION FOR PC 315+31.50 AS DETERMINED BY FITTING CURVE TO & TANGENTS RESOLVED BY LINEAR REGRESSION FROM SECTION MONUMENT TIES AS SHOWN ON AS-BUILT PROJECT NO. FA 97-B.

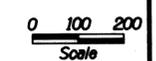
★ STANDARD ADOT R/W MONUMENT DETAIL  
 Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8" rebar.  
 Typical stamping below.



- LEGEND**
- ← 302 Set Monument
  - ← 300 Found Monument
  - SFNF Searched for not found
  - New R/W monument
  - 301 Calculated position
  - ⊕ Existing ADOT R/W monument
  - ★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in November/December 2012.

Existing R/W & \* is the same as S.R. 87 & shown on As-Built Project No. FA 97-B.

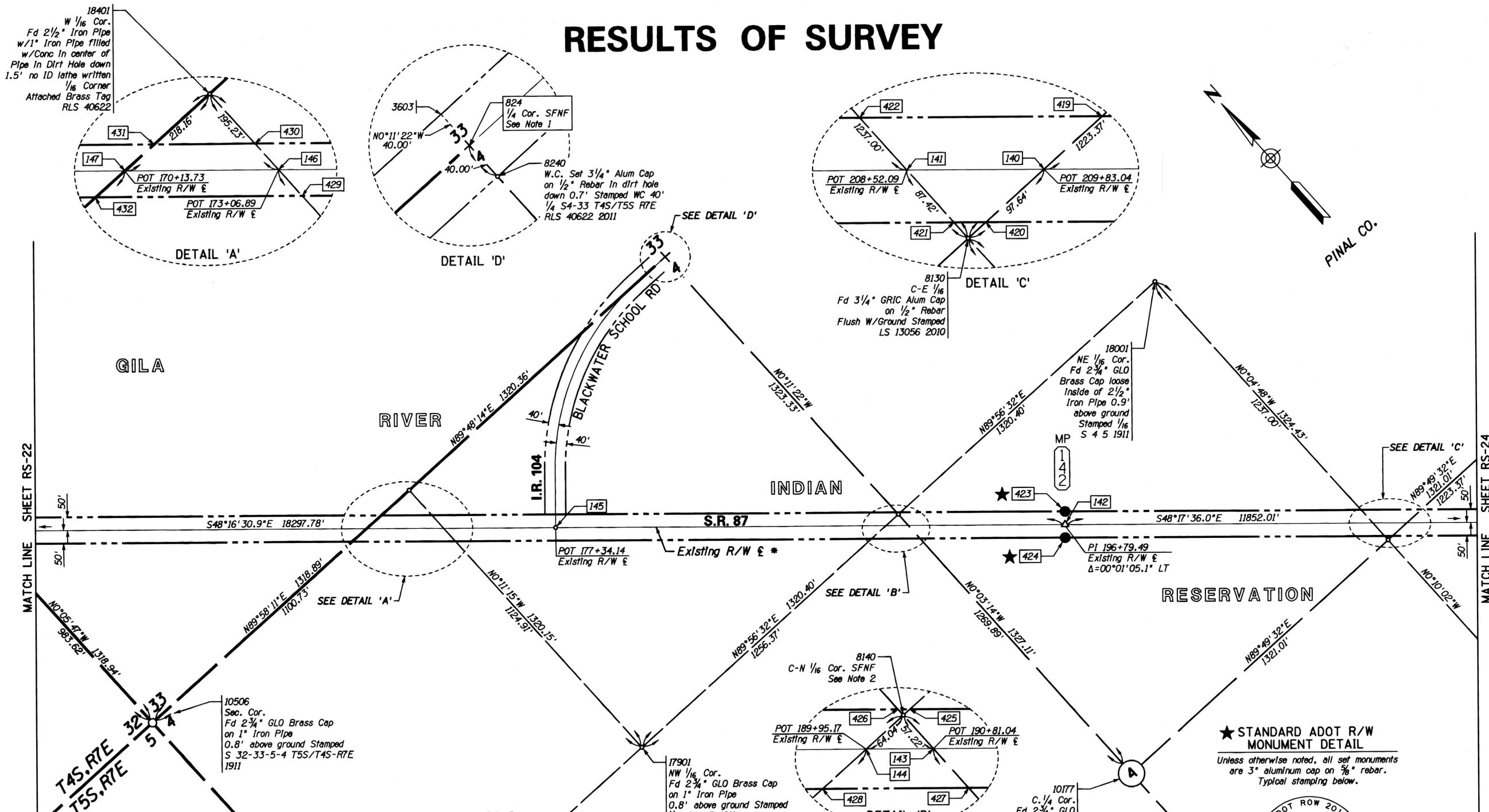
CHANGE ORDER REVISIONS				DRAWING NO.	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	D-11-T-489	HIGHWAY NAME:	
				Sept. 2010	Picacho-Coolidge-Chandler-Mesa	
				A.Grass/Dec 10	FEDERAL AID NO.:	
				Steve McLain	087-A (202) A	
				PROJECT NO.:		
				087 PN 135 H7896 01R		
				ROUTE NO.:	LOCATION:	
				S.R. 87	Jct. SR 287-Gila River	



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SHEET RS-22

# RESULTS OF SURVEY



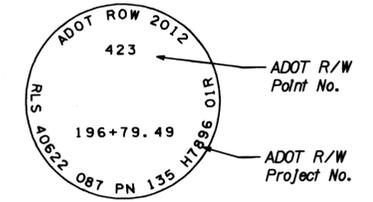
- NOTE**
1. Calculated at 40.00' from found Black Water Road R/W monument, point 3603, on line w/C-N 1/16 Cor. 8140 Falls In Roadway. Set Witness Corner.
  2. Calculated by single proportion between points 17901 & 18001 Set 3 1/4" Alum Cap on 1/2" Rebar In Dirt Hole Down 0.1' Stamped N 1/16 S4 RLS 40622 2011

**LEGEND**

- 302 Set Monument
- 300 Found Monument
- SFNF Searched for not found
- New R/W monument
- 301 Calculated position
- ⊙ Existing ADOT R/W monument
- ★ Unless otherwise noted, set standard ADOT R/W monument at calculated position In November/December 2012.

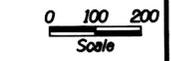
**NOTE**  
 S.R. 87 EXISTING R/W & STATIONING FROM STA. POT 13+81.71 AHD TO STA. PI 484+71.83 BK IS BASED ON PT. \*127 BEING THE CALCULATED POSITION FOR PC 315+31.50 AS DETERMINED BY FITTING CURVE TO & TANGENTS RESOLVED BY LINEAR REGRESSION FROM SECTION MONUMENT TIES AS SHOWN ON AS-BUILT PROJECT NO. FA 97-B.

★ **STANDARD ADOT R/W MONUMENT DETAIL**  
 Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8" rebar. Typical stamping below.



Existing R/W & \* Is the same as S.R. 87 & shown on As-Built Project No. FA 97-B.

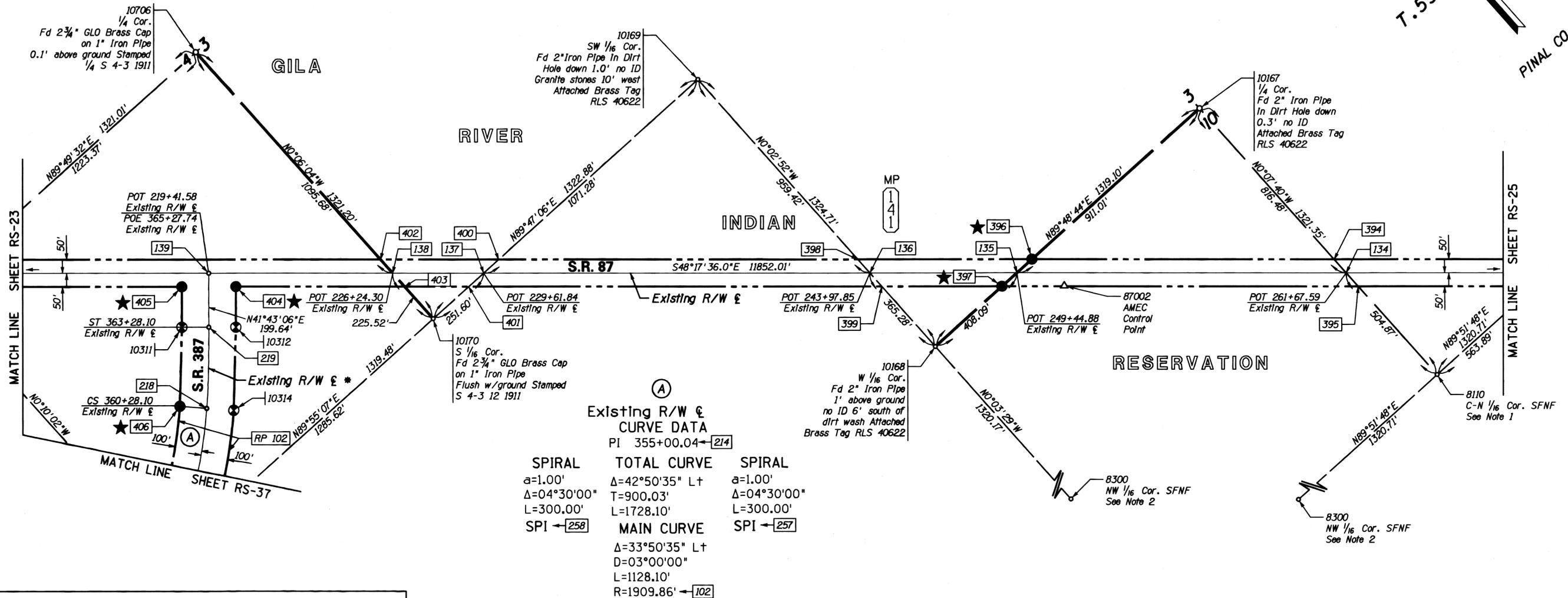
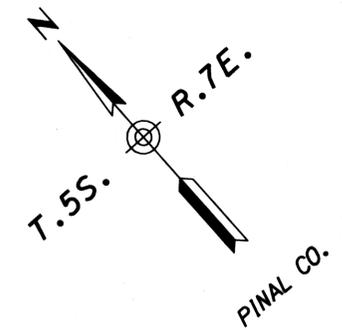
CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	HIGHWAY NAME: Picacho-Coolidge-Chandler-Mesa	
				DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.:	
				ADOT REVIEW	Steve McLain	PROJECT NO.:	
						087-A (202) A	
						087 PN 135 H7896 01R	
				ROUTE NO.:	S.R. 87	LOCATION:	
						Jct. SR 287-Gila River	



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40622  
 BRYAN L. CAMPBELL  
 7-12-10  
 LICENSED SURVEYOR  
 EXP. 03/31/2013

# RESULTS OF SURVEY



**(A)**  
Existing R/W & CURVE DATA  
PI 355+00.04 ← [214]

<b>SPIRAL</b> a=1.00' Δ=04°30'00" L=300.00' SPI ← [258]	<b>TOTAL CURVE</b> Δ=42°50'35" L+ T=900.03' L=1728.10' <b>MAIN CURVE</b> Δ=33°50'35" L+ D=03°00'00" L=1128.10' R=1909.86' ← [102]	<b>SPIRAL</b> a=1.00' Δ=04°30'00" L=300.00' SPI ← [257]
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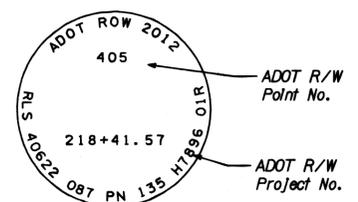
**NOTE**  
S.R. 87 EXISTING R/W & STATIONING FROM STA. POT 13+81.71 AHD TO STA. PI 484+71.83 BK IS BASED ON PT. \*127 BEING THE CALCULATED POSITION FOR PC 315+31.50 AS DETERMINED BY FITTING CURVE TO & TANGENTS RESOLVED BY LINEAR REGRESSION FROM SECTION MONUMENT TIES AS SHOWN ON AS-BUILT PROJECT NO. FA 97-B.

S.R. 387 EXISTING R/W & STATIONING FROM STA. POT 272+17.42 TO STA. POE 365+27.74 IS BASED ON HOLDING MONUMENTS AT POINTS 10321 AND 10322 AT STA. TS 346+00.00 AS SHOWN ON RIGHT OF WAY PLANS PROJECT NO. F-021-1-811

**NOTE**

1. Calculated by single proportion between points 3600 & 10165  
Set 3 1/4" Alum Cap on 1/2" Rebar in dirt hole down 0.5'  
Stamped N 1/16 S10 RLS 40622 2011
2. Calculated by single proportion between points 3600 & 10165  
Set 3 1/4" Alum Cap on 1/2" Rebar in dirt hole down 0.5'  
Stamped NW 1/16 S10 RLS 40622 2011

★ STANDARD ADOT R/W MONUMENT DETAIL  
Unless otherwise noted, all set monuments are 3" aluminum cap on 3/8" rebar. Typical stamping below.



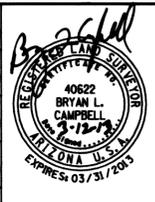
**LEGEND**

- ← 302 Set Monument
- ← 300 Found Monument
- SFNF Searched for not found
- New R/W monument
- 301 Calculated position
- ⊕ Existing ADOT R/W monument
- ★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in November/December 2012.

Existing R/W & \* is the same as S.R. 87 & shown on As-Built Project No. FA 97-B.  
Existing R/W & \* is the same as S.R. 387 & shown on R/W Plans F-021-1-811

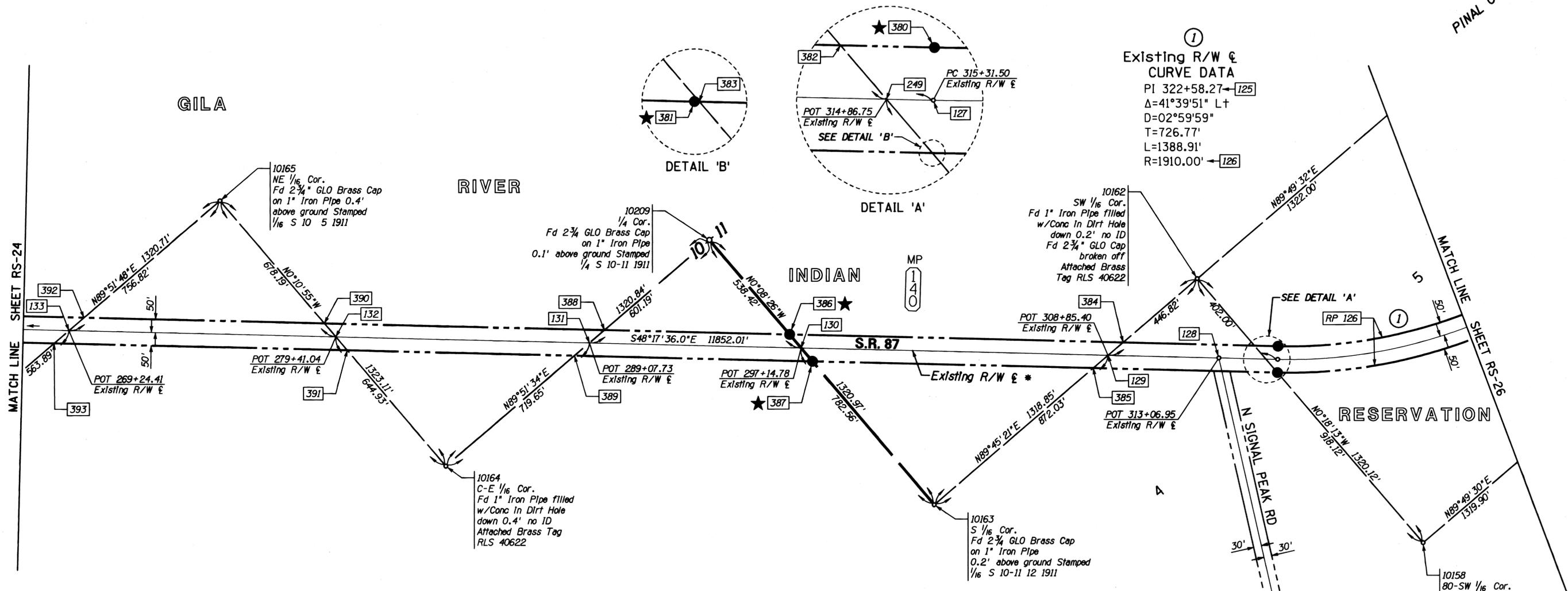
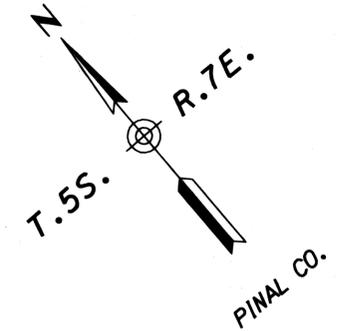
0 100 200  
Scale

CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	HIGHWAY NAME: Picoacho-Coolidge-Chandler-Mesa	
				DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.:	
				ADOT REVIEW	Steve McLain	087-A (202) A	
				<b>amec</b>		PROJECT NO.:	
						087 PN 135 H7896 01R	
				ROUTE NO.:	S.R. 87	LOCATION: Jct. SR 287-Gila River	

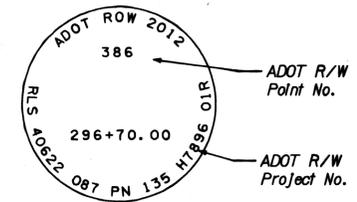


SHEET RS-24

# RESULTS OF SURVEY



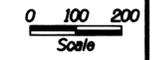
★ STANDARD ADOT R/W MONUMENT DETAIL  
 Unless otherwise noted, all set monuments are 3" aluminum cap on 3/8" rebar. Typical stamping below.



- LEGEND**
- 302 Set Monument
  - 300 Found Monument
  - SFNF Searched for not found
  - New R/W monument
  - 301 Calculated position
  - ⊕ Existing ADOT R/W monument
  - ★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in November/December 2012.

Existing R/W & \* is the same as S.R. 87 & shown on As-Built Project No. FA 97-B.

CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	HIGHWAY NAME: Piocho-Coolidge-Chandler-Mesa	
				DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.:	
				ADOT REVIEW	Steve McLain	087-A (202) A	
				<b>amec</b>		PROJECT NO.:	
						087 PN 135 H7896 01R	
				ROUTE NO.:	S.R. 87	LOCATION:	Jct. SR 287-Gila River

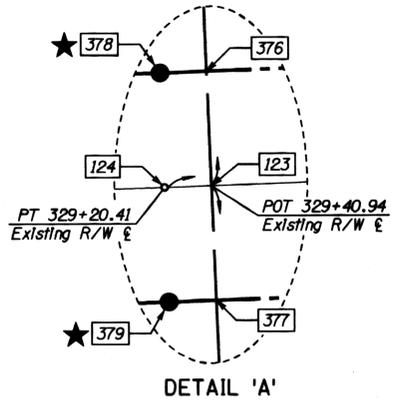
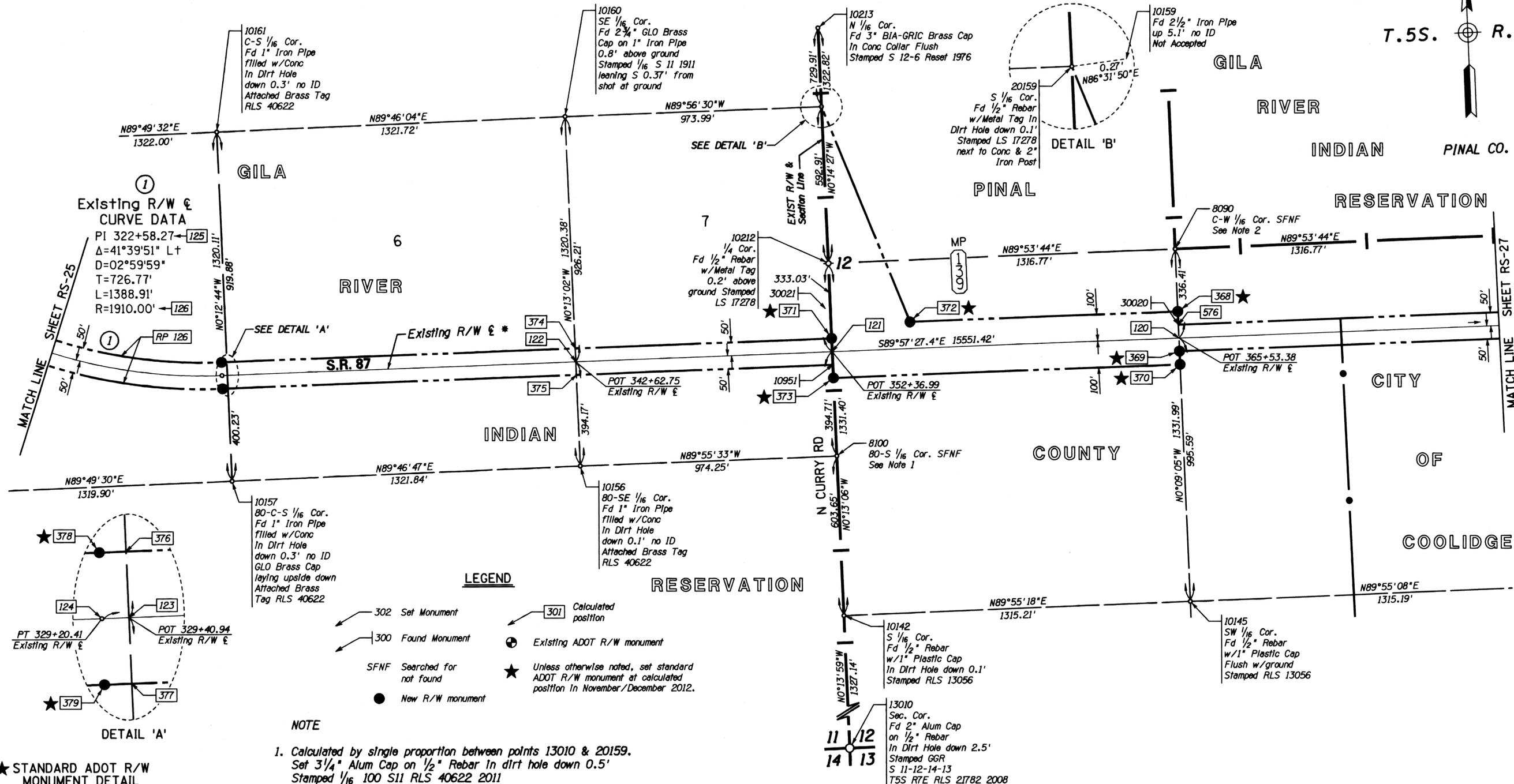
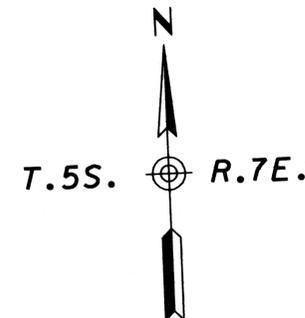


Scale

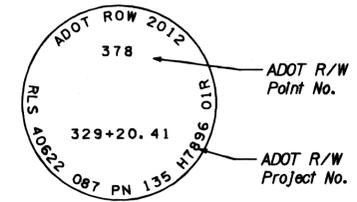
... \ROS\087RW135\_RS25.DGN



# RESULTS OF SURVEY



★ STANDARD ADOT R/W MONUMENT DETAIL  
 Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8" rebar. Typical stamping below.



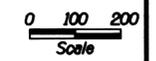
- LEGEND**
- 302 Set Monument
  - 300 Found Monument
  - SFNF Searched for not found
  - New R/W monument
  - 301 Calculated position
  - ⊙ Existing ADOT R/W monument
  - ★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in November/December 2012.

- NOTE**
1. Calculated by single proportion between points 13010 & 20159. Set 3/4" Alum Cap on 1/2" Rebar in dirt hole down 0.5' Stamped 1/16 100 S11 RLS 40622 2011
  2. Calculated by single proportion between points 10212 & 20215. Set 3/4" Alum Cap on 1/2" Rebar in dirt hole down 0.5' Stamped W 1/16 S12 RLS 40622 2011

**NOTE**  
 S.R. 87 EXISTING R/W & STATIONING FROM STA. POT 13+81.71 AHD TO STA. PI 484+71.83 BK IS BASED ON PT. \*127 BEING THE CALCULATED POSITION FOR PC 315+31.50 AS DETERMINED BY FITTING CURVE TO & TANGENTS RESOLVED BY LINEAR REGRESSION FROM SECTION MONUMENT TIES AS SHOWN ON AS-BUILT PROJECT NO. FA 97-B.

Existing R/W & Is the same as S.R. 87 & shown on As-Built Project No. FA 97-B.

CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	HIGHWAY NAME:	
				DRAWN/DATE	A.Grass/Dec 10	Picoacho-Coolidge-Chandler-Mesa	
				ADOT REVIEW	Steve McLain	FEDERAL AID NO.:	
						087-A (202) A	
						PROJECT NO.:	
				ROUTE NO.:	S.R. 87	087 PN 135 H7896 01R	
				LOCATION:	Jct. SR 287-Gila River		



Scale  
 ... \ROS\087RW\135\_RS26.DGN



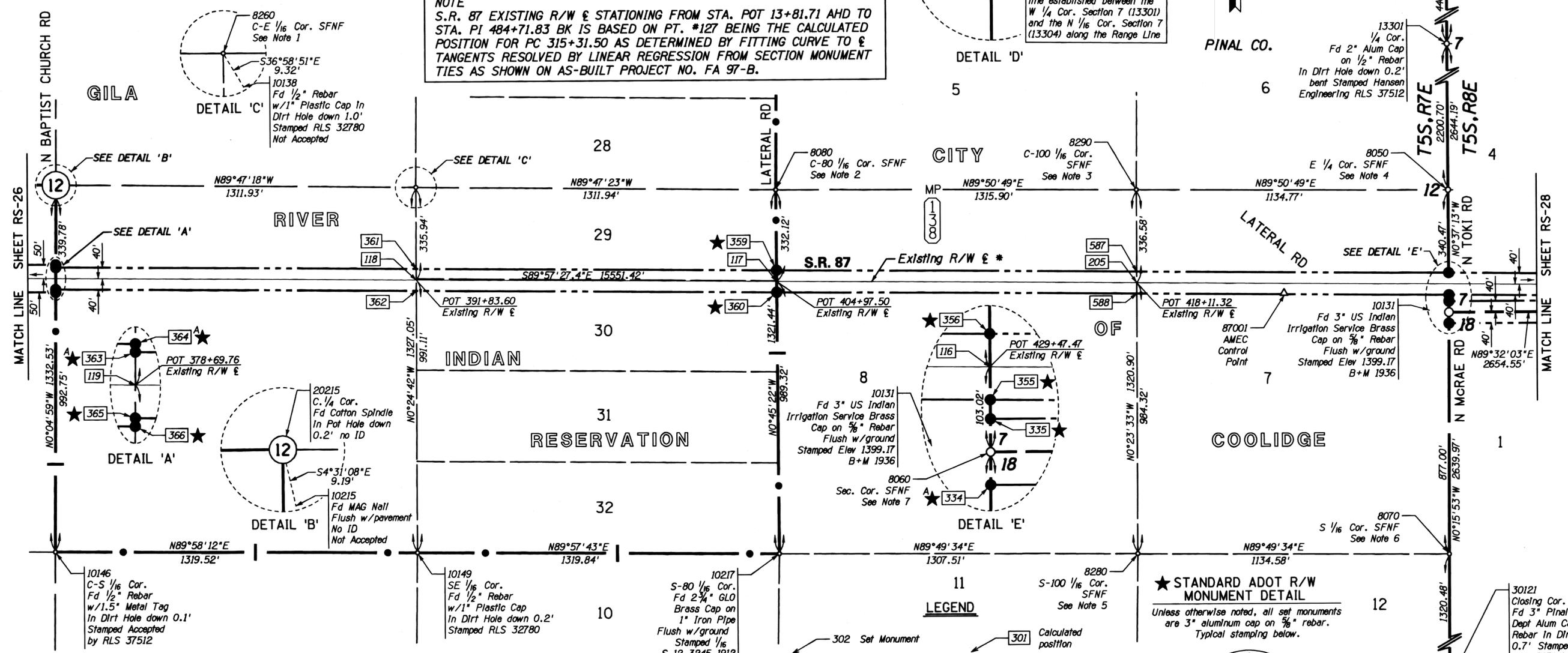
NOTE

1. Calculated by single proportion between points 20215 & 8080 per GLO Plat #1630. Set 3/4" Alum Cap on 1/2" Rebar In dirt hole down 0.5' Stamped C-E 1/16 S12 RLS 40622 2011
2. Calculated by record distance and angular relationship with the center of Section 12 (20215) and W 1/4 Cor. Section 12 (10212) as shown in R.O.S. recorded in Bk. 19, Pg. 101, P.C.R. Set 3/4" Alum Cap on 1/2" Rebar In dirt hole down 0.5' Stamped C-80 1/16 S12 RLS 40622 2011
3. Calculated by single proportion between points 8080 & 8050 per GLO Plat #1630. Set 3/4" Alum Cap on 1/2" Rebar In dirt hole down 1.3' Stamped 1/16 C-100 S12 RLS 40622 2011

# RESULTS OF SURVEY



NOTE  
S.R. 87 EXISTING R/W & STATIONING FROM STA. POT 13+81.71 AHD TO STA. PI 484+71.83 BK IS BASED ON PT. \*127 BEING THE CALCULATED POSITION FOR PC 315+31.50 AS DETERMINED BY FITTING CURVE TO & TANGENTS RESOLVED BY LINEAR REGRESSION FROM SECTION MONUMENT TIES AS SHOWN ON AS-BUILT PROJECT NO. FA 97-B.



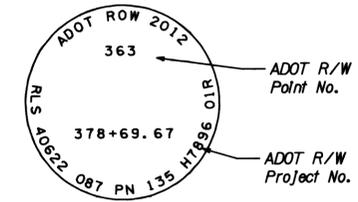
NOTE

4. Calculated by proportion distance between the NE Cor. Section 12 (827) and the SE Cor. Section 12 (30121) along the Range Line per GLO Plat #1630. Set 3/4" Alum Cap on 1/2" Rebar In Dirt hole down 0.5' Stamped 1/4 S12 T5S R8E/R7E RLS 40622 2011
5. Calculated by single proportion between points 10217 & 8070 per GLO Plat #1630. Set 3/4" Alum Cap on 1/2" Rebar In dirt hole down 0.5' Stamped 1/16 S-100 S12 RLS 40622 2011
6. Calculated by proportional distance between the E 1/4 Cor. of Section 12 (8050) and the SE Cor. of Section 12 (30121) per GLO Plat #1630. Set 3/4" Alum Cap on 1/2" Rebar In dirt hole down 0.3' Stamped S 1/16 S12 T5S R7E/R8E RLS 40622 2011
7. The location of the SW Cor. Section 7, NW Cor. Section 18, T5S, R8E was determined from the mean of the positions of the following ties: Record distance and angular relationship with the W 1/4 Cor. of Section 7 (pt #13301) and the NW Cor. of Section 7 (pt #10001) from Bk 17-59 P.C.R. Record distance and angular relationship with the SE Cor. of Section 7 (pt #30141) and the E 1/4 Cor. of Section 7 (pt #11601) from Bk 17-59 P.C.R. Record distance and angular relationship with the W 1/4 Cor. of Section 18 (pt #51801) and the SW Cor. of Section 18 (pt #51701) from Bk 16-89 P.C.R. Record distance and angular relationship with the NE Cor. of Section 18 (pt #30141) and the E 1/4 Cor. of Section 18 (pt #50501) from Bk 16-89 P.C.R. Set 3/4" Alum Cap on 1/2" Rebar In dirt hole down 0.3' Stamped S 1/16 S12 T5S R7E/R8E RLS 40622 2011

**LEGEND**

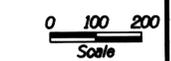
- 302 Set Monument
- 300 Found Monument
- SFNF Searched for not found
- New R/W monument
- P.C.R. Pinal County Recorder
- 301 Calculated position
- Existing ADOT R/W monument
- Unless otherwise noted, set standard ADOT R/W monument at calculated position In November/December 2012.
- Set PK nail with 1 1/2" washer stamped ADOT R/W RLS 40622 In November/December 2012.

★ **STANDARD ADOT R/W MONUMENT DETAIL**  
Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8" rebar. Typical stamping below.



Existing R/W & \* is the same as S.R. 87 & shown on As-Built Project No. FA 97-B.

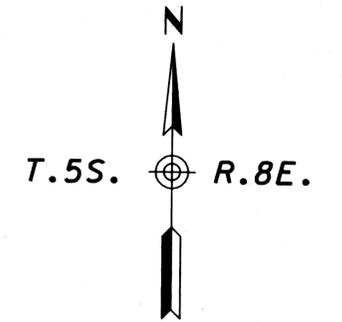
CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	HIGHWAY NAME: Picocho-Coolidge-Chandler-Mesa	
				DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.:	
				ADOT REVIEW	Steve McLain	087-A (202) A	
						PROJECT NO.:	
						087 PN 135 H7896 01R	
				ROUTE NO.:	S.R. 87	LOCATION: Jct. SR 287-Gila River	



...R05\087R\135\_RS27.DGN

3026  
40622  
BRYAN L. CAMPBELL  
2-12-13  
PINAL COUNTY  
ARIZONA U.S.A.  
EXPRES 03/31/2013

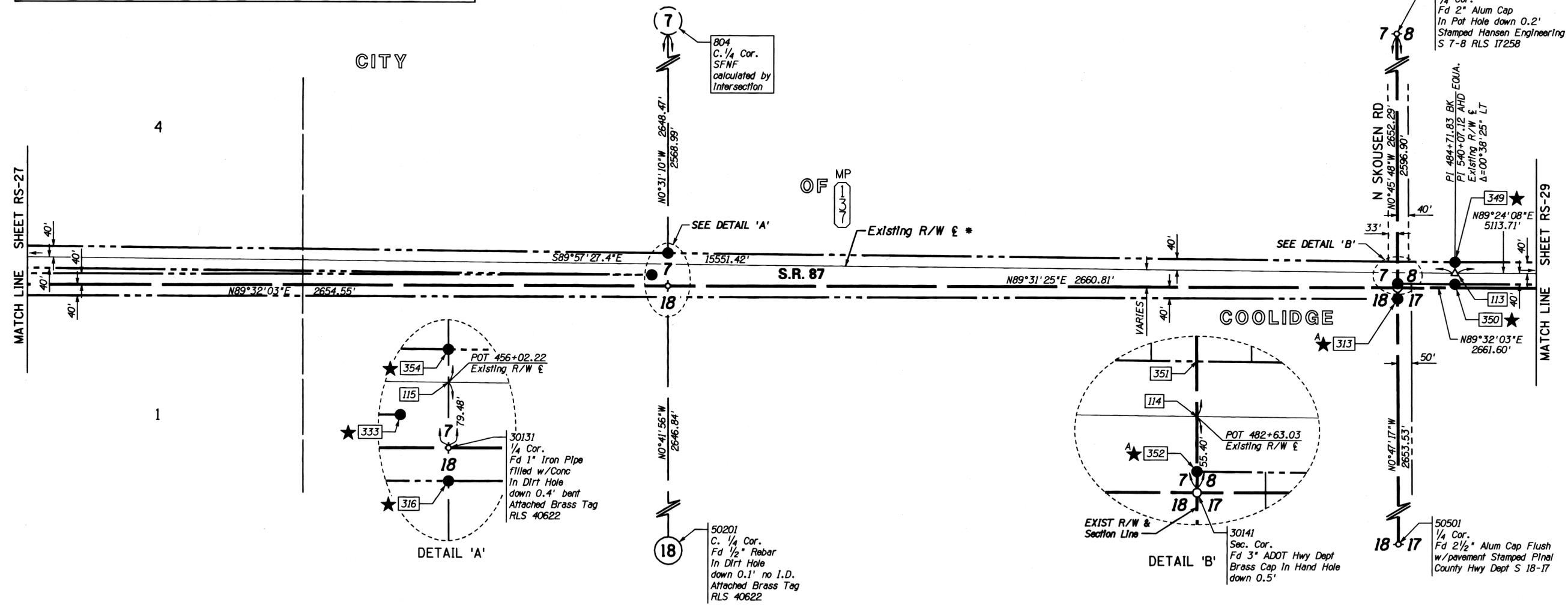
# RESULTS OF SURVEY



PINAL CO.

**NOTE**  
 S.R. 87 EXISTING R/W & STATIONING FROM STA. POT 13+81.71 AHD TO STA. PI 484+71.83 BK IS BASED ON PT. \*127 BEING THE CALCULATED POSITION FOR PC 315+31.50 AS DETERMINED BY FITTING CURVE TO & TANGENTS RESOLVED BY LINEAR REGRESSION FROM SECTION MONUMENT TIES AS SHOWN ON AS-BUILT PROJECT NO. FA 97-B.

S.R. 87 EXISTING R/W & STATIONING FROM STA. PI 540+07.12 AHD TO STA. PI 644+14.00 IS BASED ON HOLDING STA. PI 644+14.00 AT FOUND & MONUMENT PT. \*3100 AS SHOWN ON AS-BUILT PROJECT NO. FA 97-B.

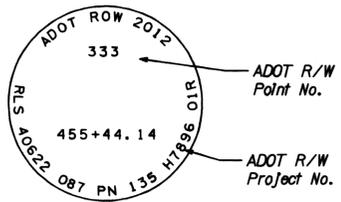


**LEGEND**

- 302 Set Monument
- 300 Found Monument
- SFNF Searched for not found
- New R/W monument
- 301 Calculated position
- Existing ADOT R/W monument
- Unless otherwise noted, set standard ADOT R/W monument at calculated position in November/December 2012.
- Set PK nail with 1/2" washer stamped ADOT R/W RLS 40622 in November/December 2012.

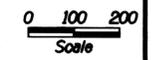
**★ STANDARD ADOT R/W MONUMENT DETAIL**

Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8" rebar. Typical stamping below.

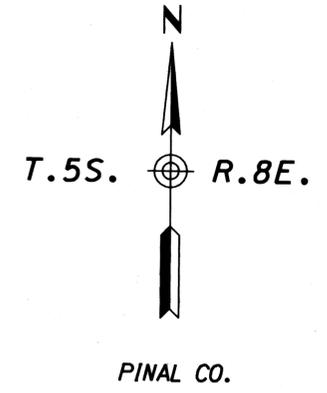


Existing R/W & \* Is the same as S.R. 87 & shown on As-Built Project No. FA 97-B.

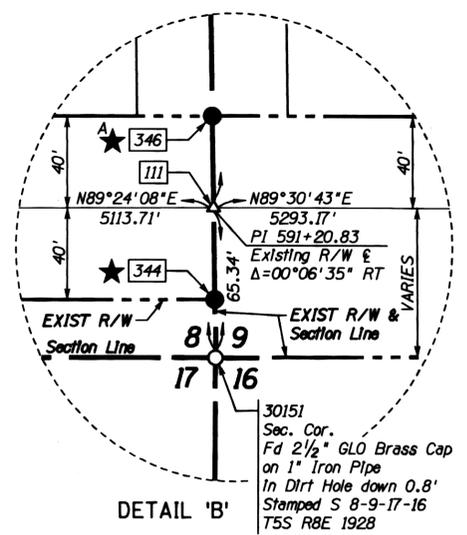
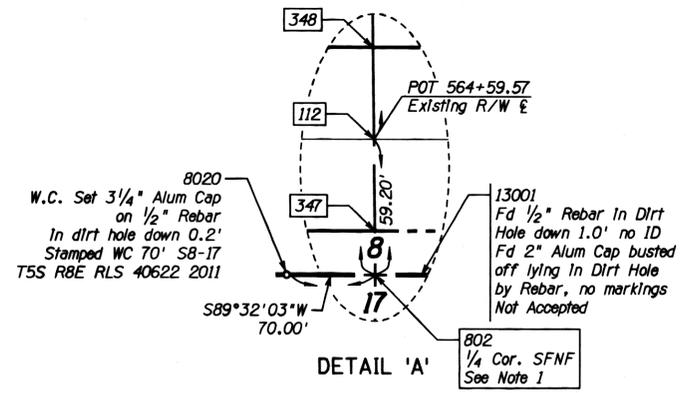
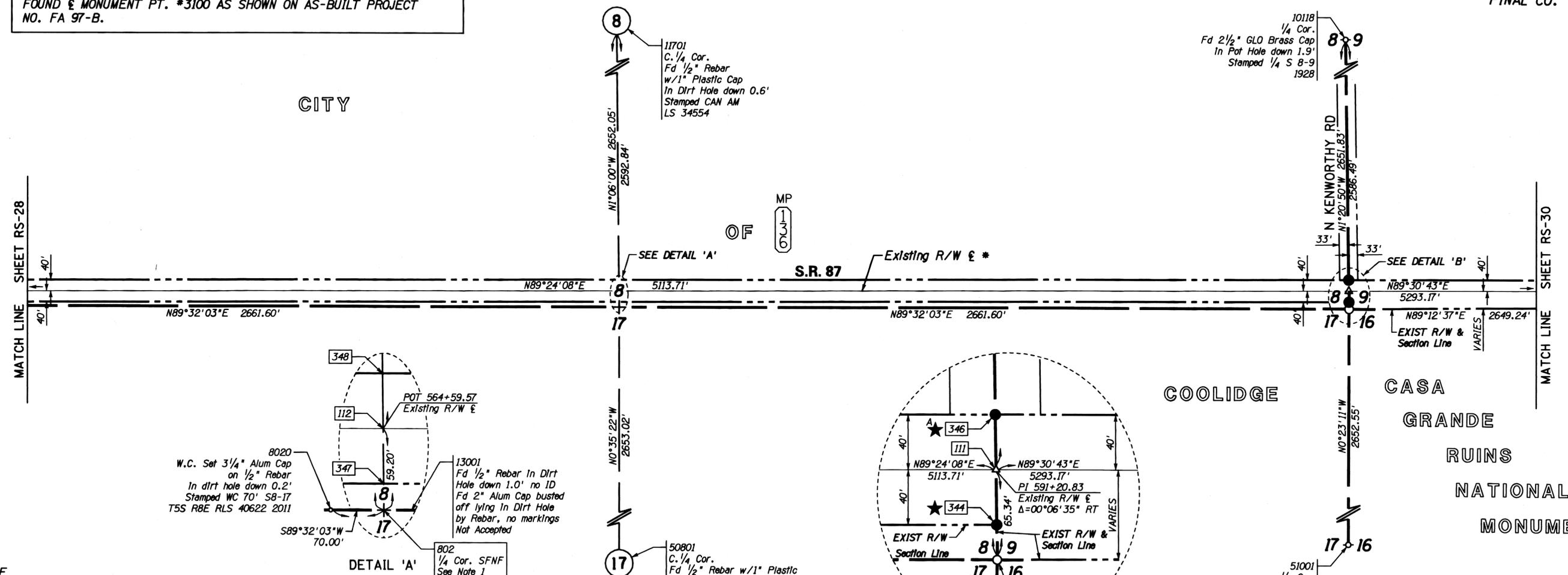
CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	
				DRAWN/DATE	A.Grass/Dec 10	HIGHWAY NAME: Picocho-Coolidge-Chandler-Mesa
				ADOT REVIEW	Steve McLain	FEDERAL AID NO.:
				<b>amec</b>		PROJECT NO.:
						087 PN 135 H7896 OIR
				ROUTE NO.:	S.R. 87	LOCATION:
						Jct. SR 287-Gila River



# RESULTS OF SURVEY



**NOTE**  
 S.R. 87 EXISTING R/W & STATIONING FROM STA. PI 540+07.12 AHD TO STA. PI 644+14.00 IS BASED ON HOLDING STA. PI 644+14.00 AT FOUND & MONUMENT PT. \*3100 AS SHOWN ON AS-BUILT PROJECT NO. FA 97-B.

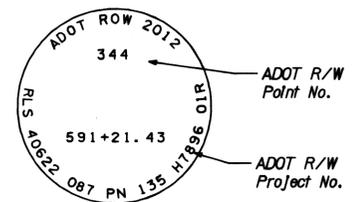


**NOTE**  
 1. Calculated by single proportion between points 30141 & 30151 According to Bk. 9, Pg. 8 and Bk. 19, Pg. 127 Fd W.C. from Bk. 19 Pg. 127 N89°29'34\"/>

**★ STANDARD ADOT R/W MONUMENT DETAIL**  
 Unless otherwise noted, all set monuments are 3\"/>

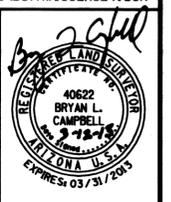
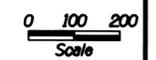
**LEGEND**

- 302 Set Monument
- 300 Found Monument
- SFNF Searched for not found
- New R/W monument
- 301 Calculated position
- ⊕ Existing ADOT R/W monument
- ★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in November/December 2012.
- ★ Set PK nail with 1/2\"/>

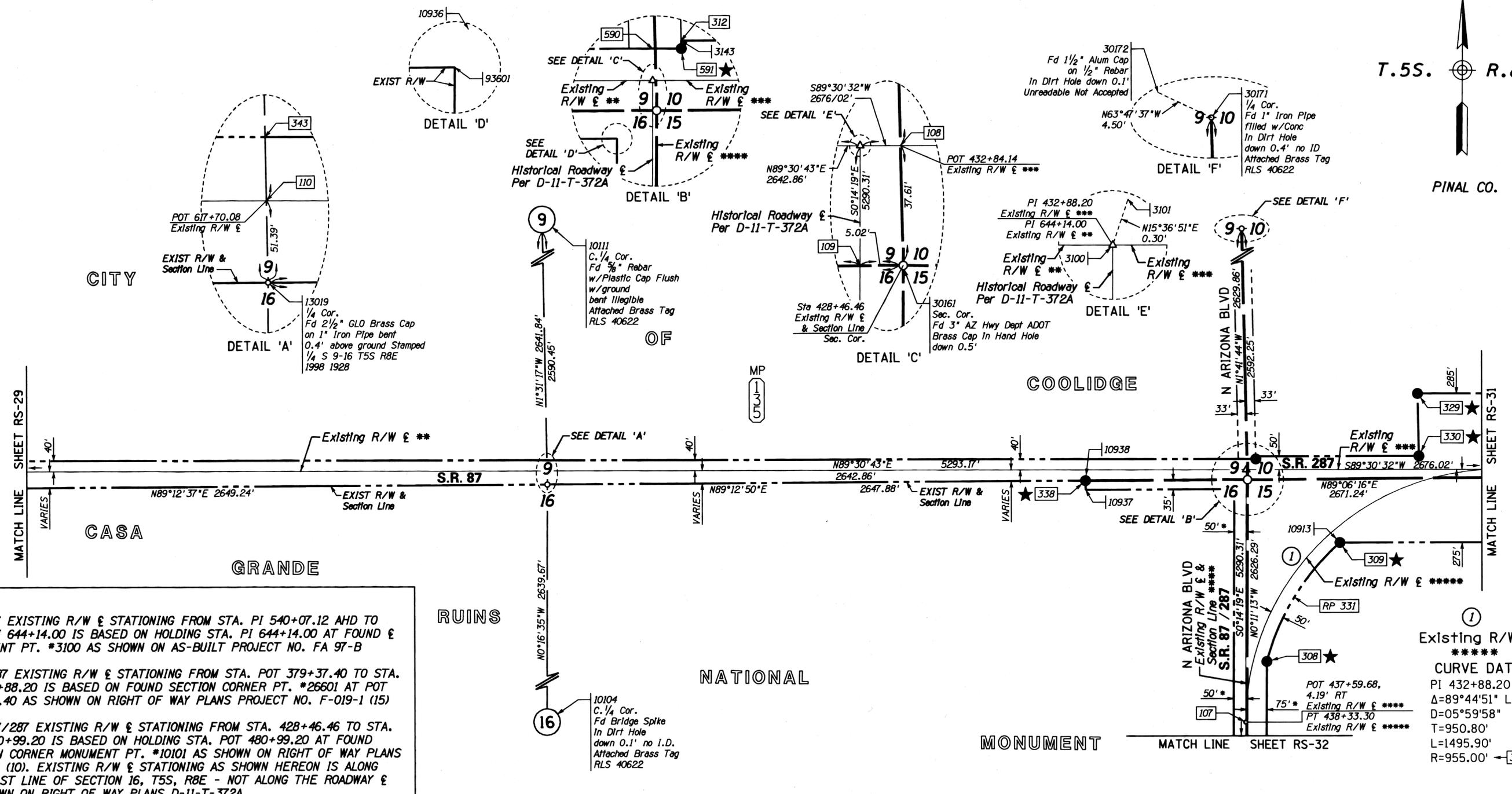
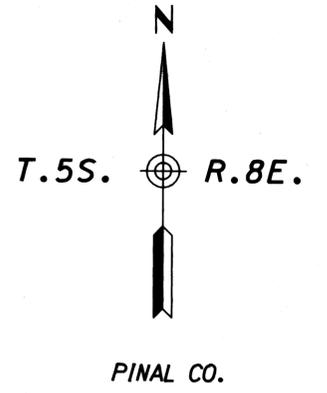


Existing R/W & \* is the same as S.R. 87 & shown on As-Built Project No. FA 97-B.

CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	
				DRAWN/DATE	A.Grass/Dec 10	HIGHWAY NAME: Picocho-Coolidge-Chandler-Mesa
				ADOT REVIEW	Steve McLain	FEDERAL AID NO.:
						087-A (202) A
						PROJECT NO.:
				ROUTE NO.:	S.R. 87	LOCATION: Jct. SR 287-Gila River



# RESULTS OF SURVEY



**NOTE**  
 S.R. 87 EXISTING R/W & STATIONING FROM STA. PI 540+07.12 AHD TO STA. PI 644+14.00 IS BASED ON HOLDING STA. PI 644+14.00 AT FOUND & MONUMENT PT. \*3100 AS SHOWN ON AS-BUILT PROJECT NO. FA 97-B

S.R. 287 EXISTING R/W & STATIONING FROM STA. POT 379+37.40 TO STA. PI 432+88.20 IS BASED ON FOUND SECTION CORNER PT. \*26601 AT POT 379+37.40 AS SHOWN ON RIGHT OF WAY PLANS PROJECT NO. F-019-1 (15)

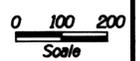
S.R. 87/287 EXISTING R/W & STATIONING FROM STA. 428+46.46 TO STA. POT 480+99.20 IS BASED ON HOLDING STA. POT 480+99.20 AT FOUND SECTION CORNER MONUMENT PT. \*10101 AS SHOWN ON RIGHT OF WAY PLANS F-019-1 (10). EXISTING R/W & STATIONING AS SHOWN HEREON IS ALONG THE EAST LINE OF SECTION 16, T5S, R8E - NOT ALONG THE ROADWAY & AS SHOWN ON RIGHT OF WAY PLANS D-11-T-372A

1930s HWY EXISTING R/W & STATIONING FROM STA. PT 438+33.30 TO STA. PC 423+37.40 IS BASED ON PT 438+33.30 AS SHOWN ON RIGHT OF WAY PLANS PROJECT NO. STP-055-1(18)

★ STANDARD ADOT R/W MONUMENT DETAIL  
 Unless otherwise noted, all set monuments are 3" aluminum cap on 5/8" rebar. Typical stamping below.

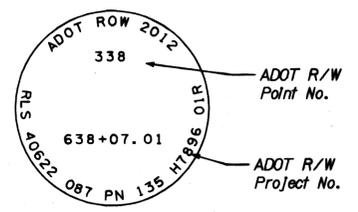
\* Measures to Section Line  
 Existing R/W & \*\* Is the same as S.R. 87 & shown on As-Built Project No. FA 97-B  
 Existing R/W & \*\*\* Is the same as S.R. 287 Constr. & Exlst. & shown on R/W Plans F-019-1 (15)  
 Existing R/W & \*\*\*\* Is the East Line of Section 16, T5S, R8E  
 Existing R/W & \*\*\*\*\* Is the same as 1930s Hwy & shown on R/W Plans STP-055-1(18)

Existing R/W & \*\*\*\*\*  
**CURVE DATA**  
 PI 432+88.20 ← 3100  
 Δ=89°44'51" Lt  
 D=05°59'58"  
 T=950.80'  
 L=1495.90'  
 R=955.00' ← 331

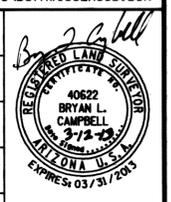


**LEGEND**

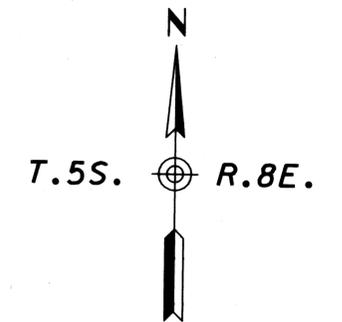
- 302 Set Monument
- 300 Found Monument
- SFNF Searched for not found
- New R/W monument
- 301 Calculated position
- Existing ADOT R/W monument
- ★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in November/December 2012.



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-11-T-489	HIGHWAY NAME: Picoacho-Coolidge-Chandler-Mesa	
				SURVEY	Sept. 2010	FEDERAL AID NO.:
				DRAWN/DATE	A.Grass/Dec 10	087-A (202) A
				ADOT REVIEW	Steve McLain	PROJECT NO.:
				<b>amec</b>		087 PN 135 H7896 01R
				ROUTE NO.:	LOCATION:	
				S.R. 87	Jct. SR 287-Gila River	

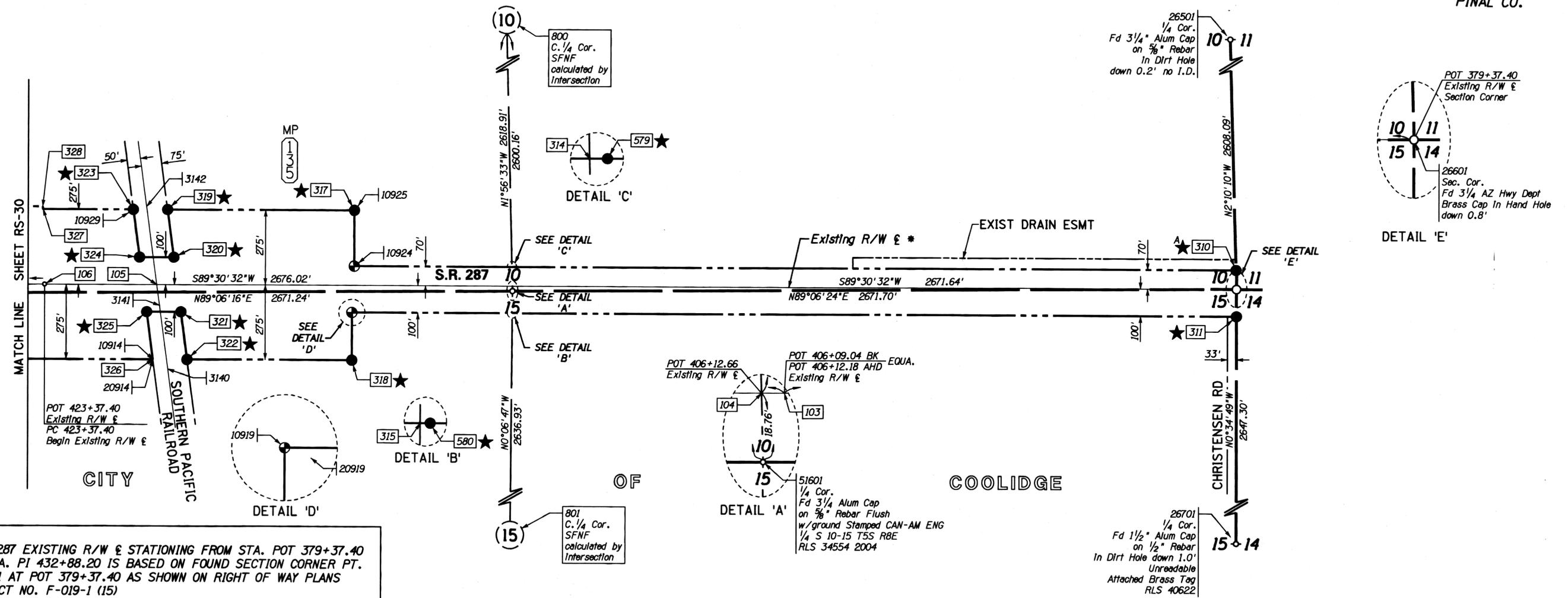


# RESULTS OF SURVEY



PINAL CO.

**NOTE**  
 RAILROAD R/W DETERMINED BY LINEAR REGRESSION THROUGH POINT NO'S. 3140, 3141 AND 3142 WHICH WERE OBSERVED AT THE R/W OF TRACKS. LINEAR REGRESSION R/W WAS OFFSET 50' WEST & 75' EAST AS SHOWN ON R/W PLANS STP-055-1(18).



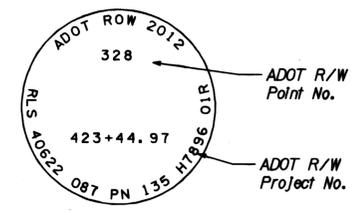
**NOTE**  
 S.R. 287 EXISTING R/W & STATIONING FROM STA. POT 379+37.40 TO STA. PI 432+88.20 IS BASED ON FOUND SECTION CORNER PT. \*26601 AT POT 379+37.40 AS SHOWN ON RIGHT OF WAY PLANS PROJECT NO. F-019-1 (15)

1930s HWY EXISTING R/W & STATIONING FROM STA. PT 438+33.30 TO STA. PC 423+37.40 IS BASED ON PT 438+33.30 AS SHOWN ON RIGHT OF WAY PLANS PROJECT NO. STP-055-1(18)

**LEGEND**

- 302 Set Monument
- 300 Found Monument
- SFNF Searched For not found
- New R/W monument
- 301 Calculated position
- Existing ADOT R/W monument
- Unless otherwise noted, set standard ADOT R/W monument at calculated position in November/December 2012.
- Set PK nail with 1/2" washer stamped ADOT R/W RLS 40622 in November/December 2012.

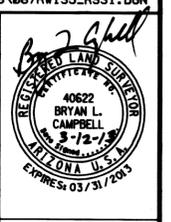
★ STANDARD ADOT R/W MONUMENT DETAIL  
 Unless otherwise noted, all set monuments are 3" aluminum cap on 3/8" rebar. Typical stamping below.



Existing R/W & \* is the same as S.R. 287 Constr. & Exst. & shown on R/W Plans F-019-1 (15)  
 Existing R/W & \*\* is the same as 1930s Hwy & shown on R/W Plans STP-055-1(18)

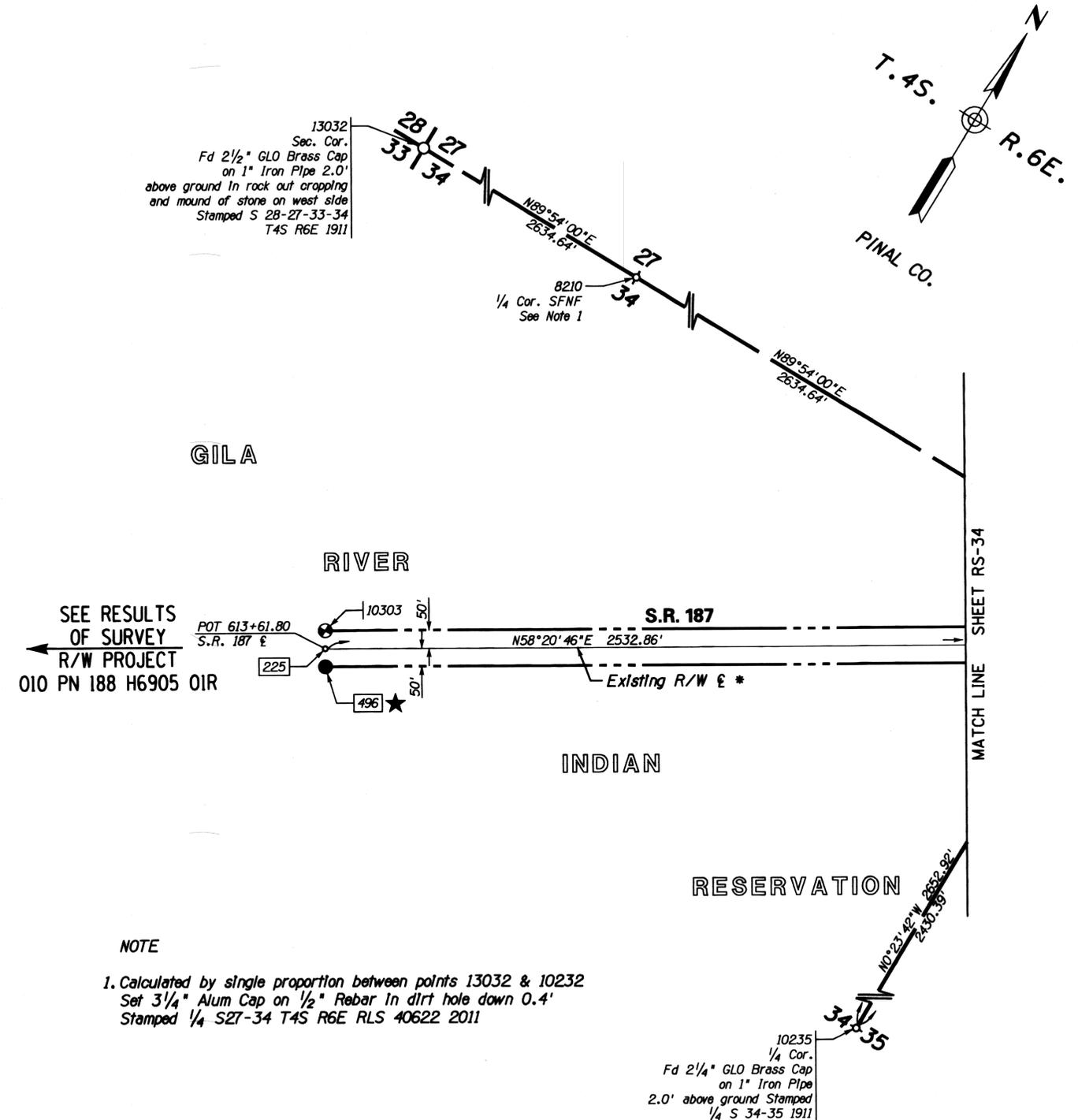
CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	
				DRAWN/DATE	A.Grass/Dec 10	HIGHWAY NAME: Picocho-Coolidge-Chandler-Mesa
				ADOT REVIEW	Steve McLain	FEDERAL AID NO.:
						PROJECT NO.:
						087-A (202) A
				ROUTE NO.:	S.R. 87	LOCATION:
						Jct. SR 287-Gila River

0 100 200  
Scale





# RESULTS OF SURVEY



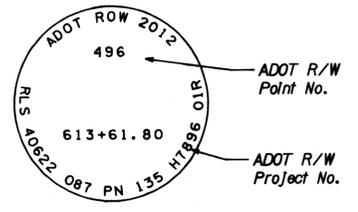
**NOTE**  
 S.R. 187 EXISTING R/W E STATIONING FROM STA. POT 613+61.8 TO STA. POT 638+94.66 BK IS BASED ON HOLDING THE MONUMENT AT PT. \*10303 AT POT 613+61.8 AS SHOWN ON STATE HIGHWAY CASA GRANDE-SACATON U.S. WORKS PROGRAM HIGHWAY AS-BUILT PROJECT NO. W.P.M.S. 122

**NOTE**  
 1. Calculated by single proportion between points 13032 & 10232  
 Set 3/4" Alum Cap on 1/2" Rebar in dirt hole down 0.4'  
 Stamped 1/4 S27-34 T4S R6E RLS 40622 2011

★ **STANDARD ADOT R/W MONUMENT DETAIL**  
 Unless otherwise noted, all set monuments are 3" aluminum cap on 3/4" rebar.  
 Typical stamping below.

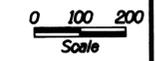
**LEGEND**

- ← 302 Set Monument
- ← 300 Found Monument
- SFNF Searched for not found
- New R/W monument
- 301 Calculated position
- ⊕ Existing ADOT R/W monument
- ★ Unless otherwise noted, set standard ADOT R/W monument at calculated position in November/December 2012.



Existing R/W E \* is the same as S.R. 187 E shown on STATE HIGHWAY CASA GRANDE-SACATON U.S. WORKS PROGRAM HIGHWAY AS-BUILT PROJECT NO. W.P.M.S. 122

CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	HIGHWAY NAME: Picacho-Coolidge-Chandler-Mesa	
				DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.:	
				ADOT REVIEW	Steve McLain	087-A (202) A	
				<b>amec</b>		PROJECT NO.:	
						087 PN 135 H7896 OIR	
				ROUTE NO.:	S.R. 87	LOCATION:	
						Jct. SR 287-Gila River	

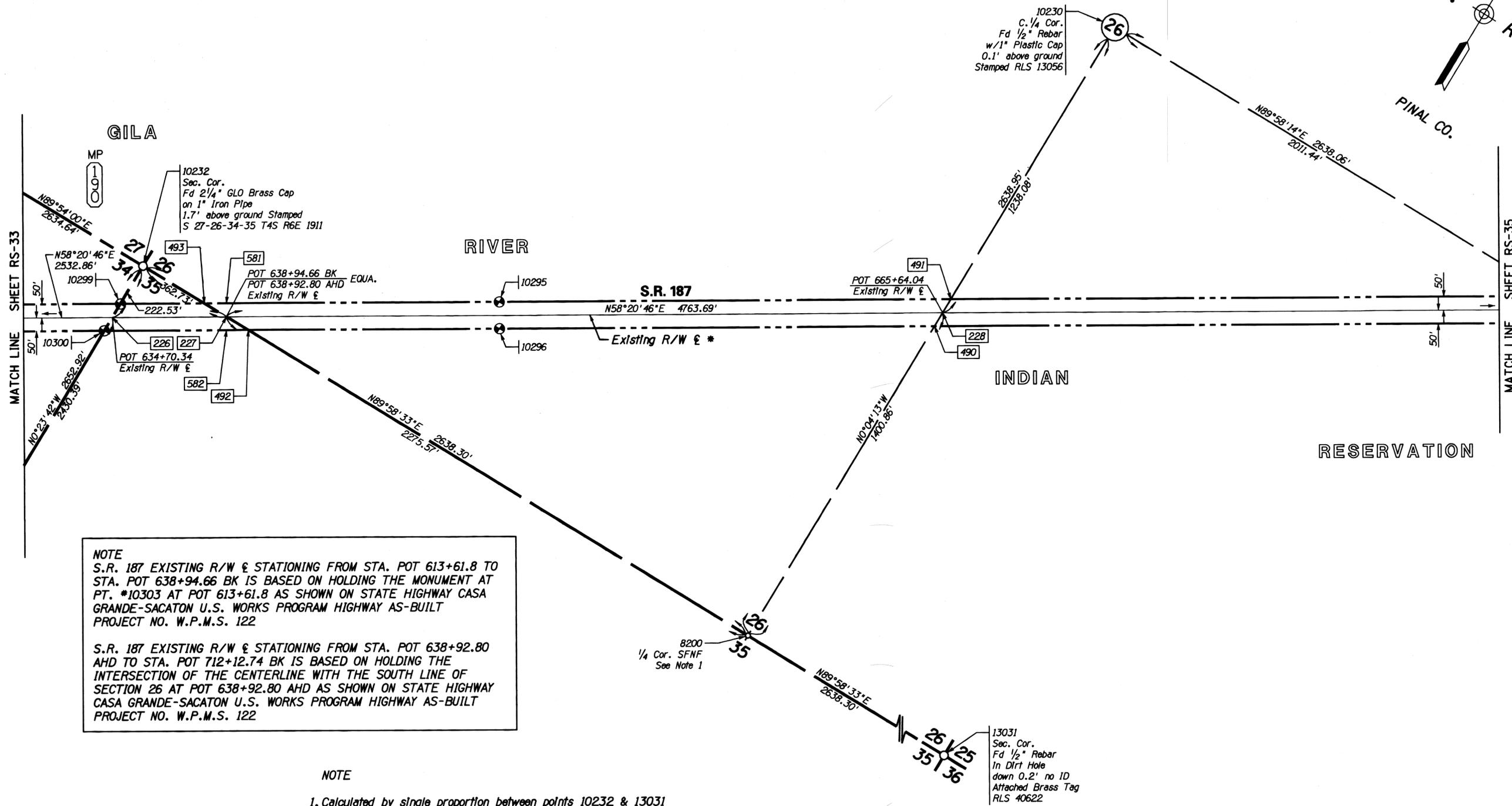
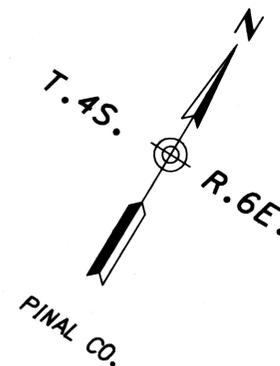


Scale

... \ROS\087RW135\_RS33.DGN

SHEET RS-33

# RESULTS OF SURVEY



**NOTE**  
 S.R. 187 EXISTING R/W & STATIONING FROM STA. POT 613+61.8 TO STA. POT 638+94.66 BK IS BASED ON HOLDING THE MONUMENT AT PT. \*10303 AT POT 613+61.8 AS SHOWN ON STATE HIGHWAY CASA GRANDE-SACATON U.S. WORKS PROGRAM HIGHWAY AS-BUILT PROJECT NO. W.P.M.S. 122

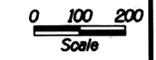
S.R. 187 EXISTING R/W & STATIONING FROM STA. POT 638+92.80 AHD TO STA. POT 712+12.74 BK IS BASED ON HOLDING THE INTERSECTION OF THE CENTERLINE WITH THE SOUTH LINE OF SECTION 26 AT POT 638+92.80 AHD AS SHOWN ON STATE HIGHWAY CASA GRANDE-SACATON U.S. WORKS PROGRAM HIGHWAY AS-BUILT PROJECT NO. W.P.M.S. 122

**NOTE**  
 1. Calculated by single proportion between points 10232 & 13031  
 Set 3/4" Alum Cap on 1/2" Rebar In dirt hole down 0.3'  
 Stamped 1/4 S26-35 T4S R6E RLS 40622 2011

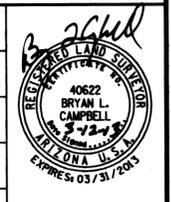
**LEGEND**

- 302 Set Monument
- 300 Found Monument
- SFNF Searched for not found
- 301 Calculated position
- Existing ADOT R/W monument

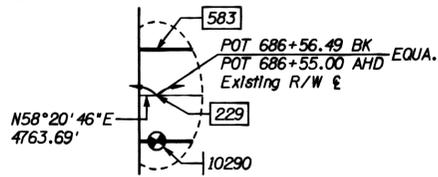
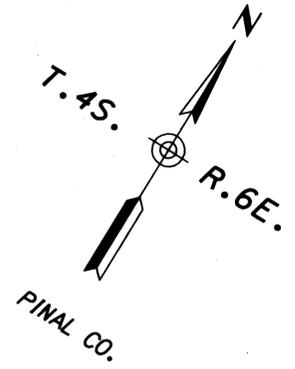
Existing R/W & \* is the same as S.R. 187 & shown on STATE HIGHWAY CASA GRANDE-SACATON U.S. WORKS PROGRAM HIGHWAY AS-BUILT PROJECT NO. W.P.M.S. 122



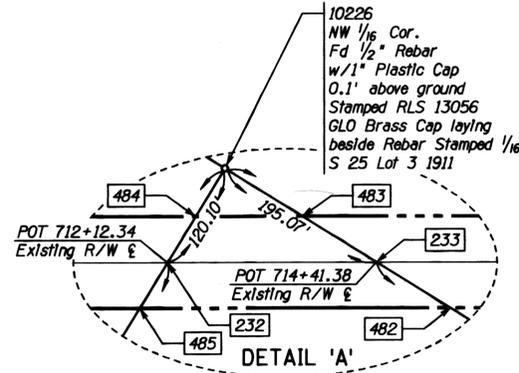
CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	HIGHWAY NAME: Picacho-Coolidge-Chandler-Mesa
				DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.: 087-A (202) A
				ADOT REVIEW	Steve McLain	PROJECT NO.: 087 PN 135 H7896 01R
				<b>amec</b>		
				ROUTE NO.:	S.R. 87	LOCATION: Jct. SR 287-Gila River



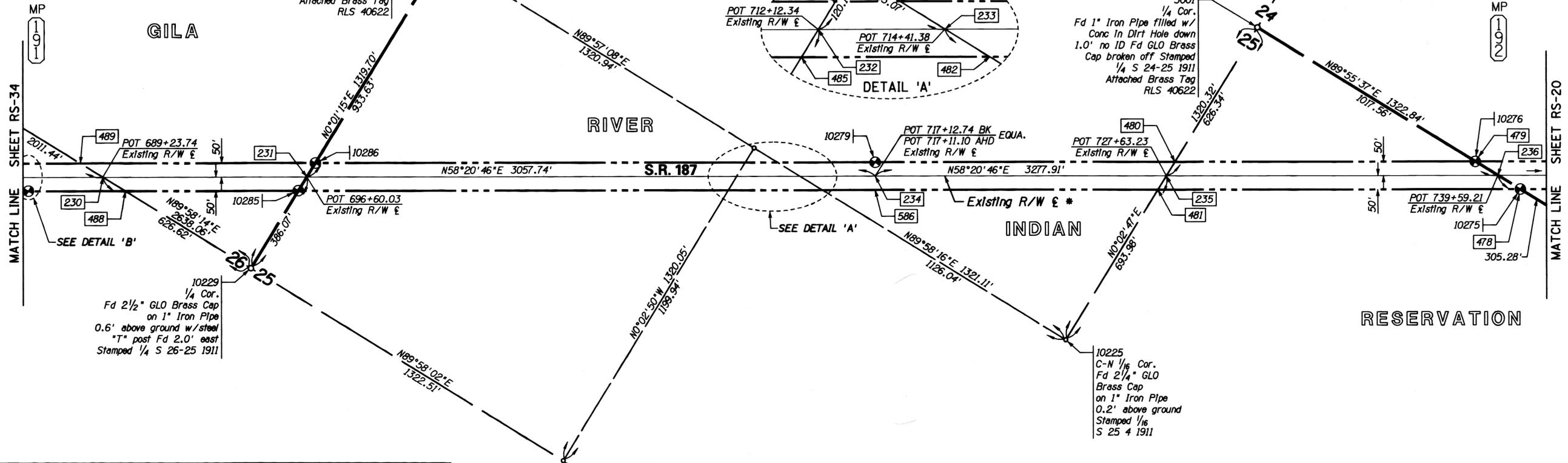
# RESULTS OF SURVEY



DETAIL 'B'

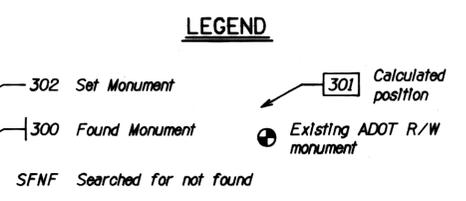


DETAIL 'A'

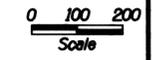


**NOTE**  
 S.R. 187 EXISTING R/W £ STATIONING FROM STA. POT 638+92.80 AHD TO STA. POT 712+12.74 BK IS BASED ON HOLDING THE INTERSECTION OF THE CENTERLINE WITH THE SOUTH LINE OF SECTION 26 AT POT 638+92.80 AHD AS SHOWN ON STATE HIGHWAY CASA GRANDE-SACATON U.S. WORKS PROGRAM HIGHWAY AS-BUILT PROJECT NO. W.P.M.S. 122.

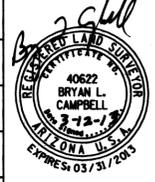
S.R. 187 EXISTING R/W £ STATIONING FROM STA. POT 717+11.10 AHD TO STA. PI 749+89.01 IS BASED ON HOLDING POT 717+11.10 AT FOUND R/W MONUMENT PT. \*10279 BEING 50' LT OF £ AS SHOWN ON STATE HIGHWAY CASA GRANDE-SACATON U.S. WORKS PROGRAM HIGHWAY AS-BUILT PROJECT NO. W.P.M.S. 122.



Existing R/W £ \* is the same as S.R. 187 £ shown on STATE HIGHWAY CASA GRANDE-SACATON U.S. WORKS PROGRAM HIGHWAY AS-BUILT PROJECT NO. W.P.M.S. 122

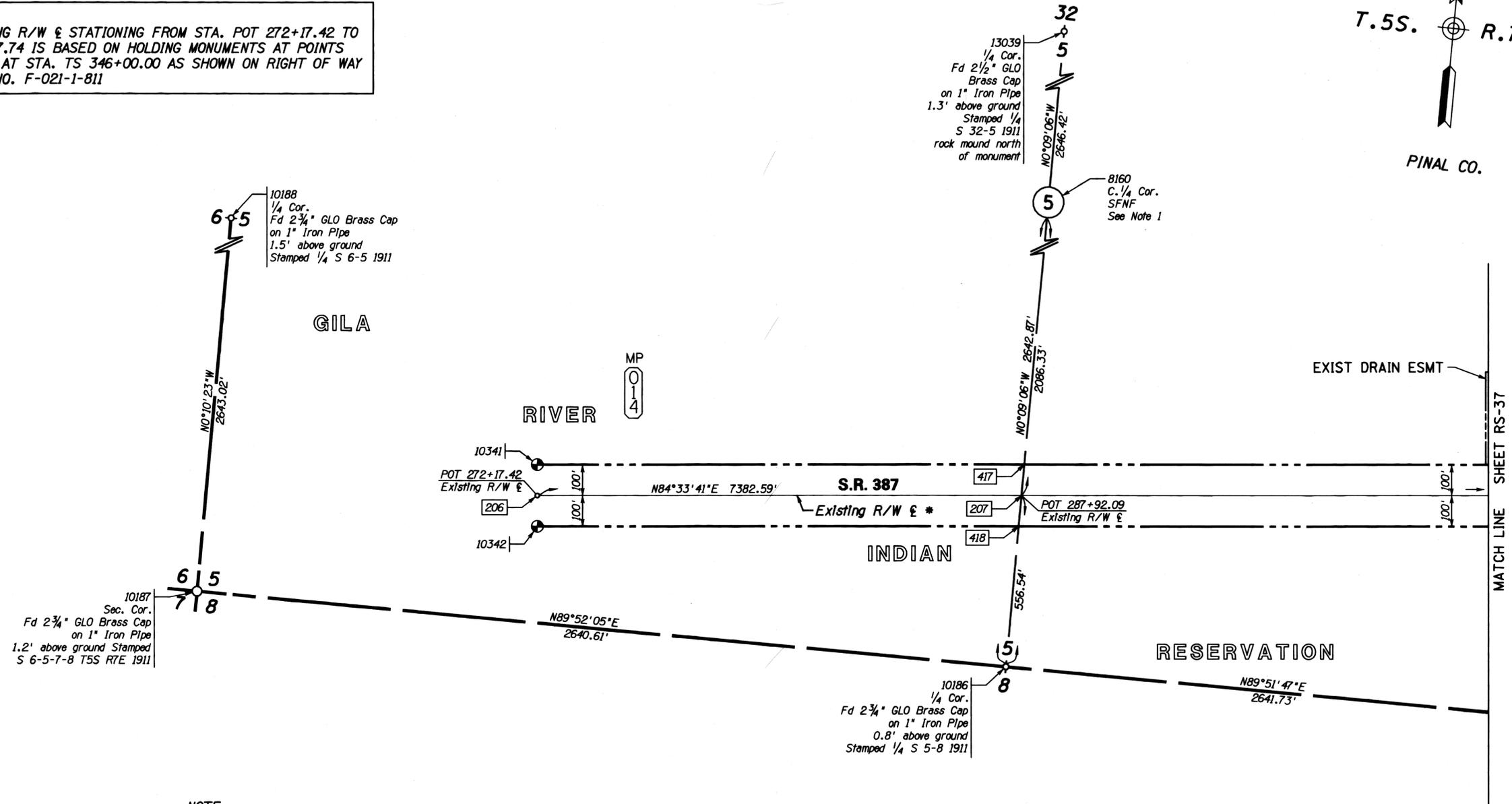
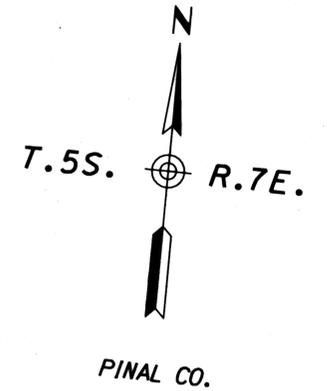


CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	
				DRAWN/DATE	A.Grass/Dec 10	HIGHWAY NAME: Picocho-Coolidge-Chandler-Mesa
				ADOT REVIEW	Steve McLain	FEDERAL AID NO.:
						087-A (202) A
						PROJECT NO.:
						087 PN 135 H7896 OIR
				ROUTE NO.:	S.R. 87	LOCATION:
						Jct. SR 287-Gila River



# RESULTS OF SURVEY

**NOTE**  
 S.R. 387 EXISTING R/W & STATIONING FROM STA. POT 272+17.42 TO STA. POE 365+27.74 IS BASED ON HOLDING MONUMENTS AT POINTS 10321 AND 10322 AT STA. TS 346+00.00 AS SHOWN ON RIGHT OF WAY PLANS PROJECT NO. F-021-1-811

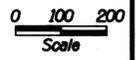


**NOTE**  
 1. Calculated by Intersection. Set 3/4" Alum Cap on 1/2" Rebar in dirt hole down 0.5' Stamped C 1/4 S5 T5S R7E RLS 40622 2011

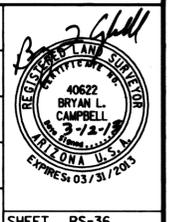
**LEGEND**

- 302 Set Monument
- 300 Found Monument
- 301 Calculated position
- Existing ADOT R/W monument
- SFNF Searched for not found

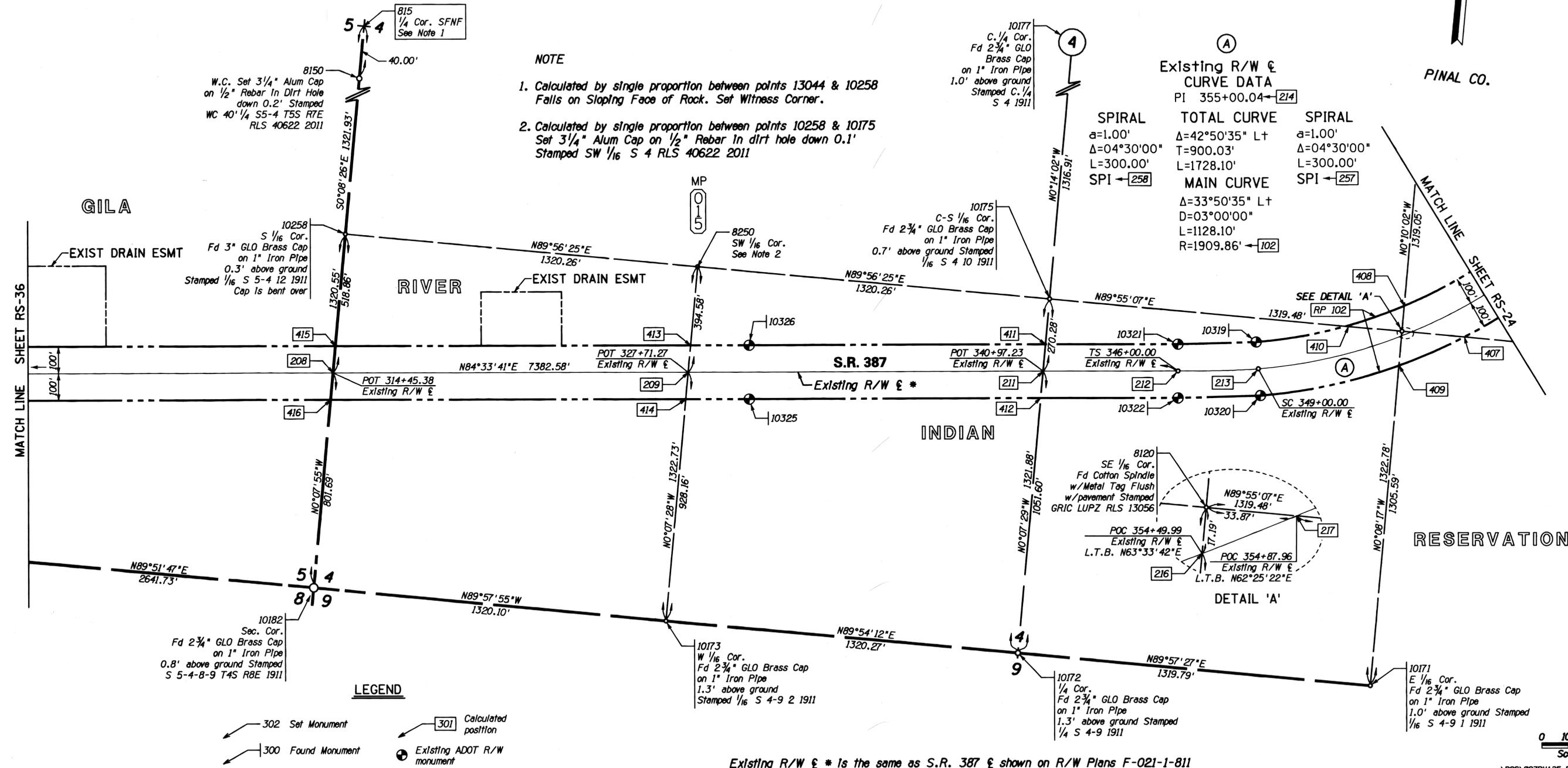
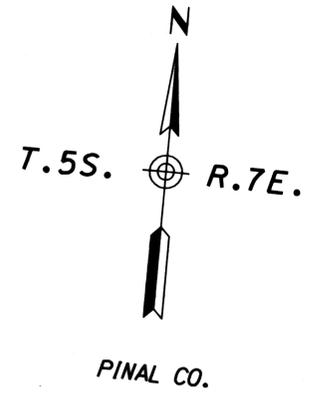
Existing R/W & \* is the same as S.R. 387 & shown on R/W Plans F-021-1-811



CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	HIGHWAY NAME: Picocho-Coolidge-Chandler-Mesa
				DRAWN/DATE	A.Grass/Dec 10	FEDERAL AID NO.:
				ADOT REVIEW	Steve McLain	087-A (202) A
				<b>amec</b>		PROJECT NO.:
				ROUTE NO.:	S.R. 87	087 PN 135 H7896 OIR
				LOCATION:	Jct. SR 287-Gila River	EXPRES: 03/31/2011



# RESULTS OF SURVEY



**NOTE**

1. Calculated by single proportion between points 13044 & 10258 Falls on Sloping Face of Rock. Set Witness Corner.
2. Calculated by single proportion between points 10258 & 10175 Set 3/4" Alum Cap on 1/2" Rebar In dirt hole down 0.1' Stamped SW 1/16 S 4 RLS 40622 2011

**Existing R/W & CURVE DATA**  
 PI 355+00.04 ← 214

<b>SPIRAL</b>	<b>TOTAL CURVE</b>	<b>SPIRAL</b>
a=1.00'	Δ=42°50'35" L+	a=1.00'
Δ=04°30'00"	T=900.03'	Δ=04°30'00"
L=300.00'	L=1728.10'	L=300.00'
SPI ← 258	<b>MAIN CURVE</b>	SPI ← 257
	Δ=33°50'35" L+	
	D=03°00'00"	
	L=1128.10'	
	R=1909.86' ← 102	

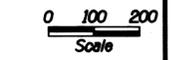
**LEGEND**

- 302 Set Monument
- 300 Found Monument
- 301 Calculated position
- Existing ADOT R/W monument
- SFNF Searched for not found

**NOTE**  
 S.R. 387 EXISTING R/W & STATIONING FROM STA. POT 272+17.42 TO STA. POE 365+27.74 IS BASED ON HOLDING MONUMENTS AT POINTS 10321 AND 10322 AT STA. TS 346+00.00 AS SHOWN ON RIGHT OF WAY PLANS PROJECT NO. F-021-1-811

Existing R/W & \* Is the same as S.R. 387 & shown on R/W Plans F-021-1-811

CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	
				DRAWN/DATE	A.Grass/Dec 10	HIGHWAY NAME: Picoacho-Coolidge-Chandler-Mesa
				ADOT REVIEW	Steve McLain	FEDERAL AID NO.:
						PROJECT NO.:
						087-A (202) A
				ROUTE NO.:	S.R. 87	LOCATION:
						087 PN 135 H7896 01R
						Jct. SR 287-Gila River



... \ROS\087R\135\_R637.DGN

# RESULTS OF SURVEY

SECTION CORNERS			
PT.	NORTHING	EASTING	DESCRIPTION
800	731433.38500	823099.33003	( C )
801	726179.05523	823193.31489	( C )
802	728679.74900	812559.06500	( C )
804	731284.35621	807212.82389	( C )
815	736224.93000	781352.75500	( C )
819	748085.08566	772102.08140	( C )
824	738873.10319	783985.52967	( C )
827	731698.70816	804550.55194	( C )
1000	770499.79046	760204.97817	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
1002	770495.58483	757568.95504	3/4" GRIC AC ON 5/8" RB LS 28237 2004
1003	770493.09315	754925.22018	2 1/2" GRIC-BIA BC IN HH
1004	775769.59351	752283.79198	2 1/2" GLO BC ON 1" IP 1911
1005	775769.10743	749641.78331	3/4" BOLT IN HH ATTACHED BRASS TAG RLS 40622
3001	749399.23430	768136.17530	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
3112	750718.03700	765490.77300	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
3600	732266.44700	786640.09500	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
8020	728679.17995	812489.06731	SET 3/4" AC ON 1/2" RB IN DIRT HOLE DN 0.2' STAMPED WC 70' S8-17 T5S R8E RLS 40622 2011
8030	723374.17200	812613.59350	SET 3/4" AC ON 1/2" RB RLS 40622 2011
8050	729057.87878	804577.56834	SET 3/4" AC ON 1/2" RB RLS 40622 2011
8060	728614.41477	804582.36948	SET 3/4" AC ON 1/2" RB RLS 40622 2011
8070	727737.42304	804586.42350	SET 3/4" AC ON 1/2" RB RLS 40622 2011
8080	729051.33245	802126.90222	SET 3/4" AC ON 1/2" RB RLS 40622 2011
8090	729058.56670	798186.28165	SET 3/4" AC ON 1/2" RB RLS 40622 2011
8100	728328.42764	796872.28555	SET 3/4" AC ON 1/2" RB RLS 40622 2011
8110	732272.74520	789281.50081	SET 3/4" AC ON 1/2" RB RLS 40622 2011
8120	734907.63950	785316.00634	COTTON SPINDLE W/METAL TAG FLUSH RLS 13056
8130	736226.68800	785312.15350	3/4" GRIC AC ON 1/2" RB LS 13056 2010
8140	737549.77850	783989.90450	SET 3/4" AC ON 1/2" RB RLS 40622 2011
8150	736184.93012	781352.85322	SET 3/4" AC ON 1/2" RB DN 0.2' STAMPED WC 40' 1/4 S5-4 T5S R7E RLS 40622 2011
8160	736218.99705	778710.32120	SET 3/4" AC ON 1/2" RB RLS 40622 2011
8170	741503.87550	780020.55600	SET 3/4" AC ON 1/2" RB RLS 40622 2011
8180	748088.30533	773422.58081	SET 3/4" AC ON 1/2" RB RLS 40622 2011
8190	748085.29291	772187.08115	SET 3/4" AC ON 1/2" RB IN DIRT HOLE DN 0.1' STAMPED WC 85' NW 1/4 S30 RLS 40622 2011
8200	744117.14806	762857.75538	SET 3/4" AC ON 1/2" RB RLS 40622 2011
8210	744111.42918	757584.82514	SET 3/4" AC ON 1/2" RB RLS 40622 2011
8220	753358.75000	768134.37950	SET 3/4" AC ON 1/2" RB RLS 40622 2011
8230	759957.24500	764174.57250	SET 3/4" AC ON 1/2" RB RLS 40622 2011
8240	738833.10341	783985.66190	SET 3/4" AC ON 1/2" RB IN DIRT HOLE DN 0.4' STAMPED WC 40' 1/4 S4-34 T4S/T5S R7E RLS 40622 2011
8250	734904.38650	782676.26350	SET 3/4" AC ON 1/2" RB RLS 40622 2011
8260	729056.14894	800814.97322	SET 3/4" AC ON 1/2" RB RLS 40622 2011
8280	727733.97788	803451.84874	SET 3/4" AC ON 1/2" RB RLS 40622 2011
8290	729054.84753	803442.79824	SET 3/4" AC ON 1/2" RB RLS 40622 2011
8300	732269.59610	787960.79791	SET 3/4" AC ON 1/2" RB RLS 40622 2011
10001	733897.20100	804537.10800	COTTON SPINDLE FLUSH NO ID
10101	723521.52100	820534.05700	1 1/2" IP IN HH ATTACHED BT RLS 40622
10104	726098.26100	817882.30500	BRIDGE SPIKE ATTACHED BT RLS 40622
10111	731378.80600	817799.42600	3/8" REBAR W/PC FLUSH ILLEGIBLE ATTACHED BRASS TAG RLS 40622
10118	731352.48000	815158.23100	2 1/2" GLO BC IN PH DN 1.9' 1928
10142	727724.77990	796874.58500	1/2" REBAR W/1" PC RLS 13056
10145	727726.57900	798189.79840	1/2" REBAR W/1" PC FLUSH RLS 13056
10146	727728.44240	799504.98290	1/2" REBAR W/1.5" METAL TAG RLS 37512
10149	727729.13030	800824.50520	1/2" REBAR W/1" PC RLS 32780
10156	728329.68980	795898.03370	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
10157	728324.60880	794576.20750	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
10158	728320.57960	793256.31840	2 3/4" GLO BC ON 1" IP 1911
10160	729650.06260	795893.02750	2 3/4" GLO BC ON 1" IP 1911
10161	729644.70490	794571.31640	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
10162	729640.68040	793249.32100	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
10163	729635.05930	791930.48100	2 3/4" GLO BC ON 1" IP 1911
10164	730952.78700	790606.40840	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
10165	732275.89430	790602.20670	2 3/4" GLO BC ON 1" IP 1911

SECTION CORNERS			
PT.	NORTHING	EASTING	DESCRIPTION
10167	733594.09340	789278.55100	2" IP ATTACHED BRASS TAG RLS 40622
10168	733589.76900	787959.46100	2" IP ATTACHED BRASS TAG RLS 40622
10169	734914.47600	787958.35900	2" IP ATTACHED BRASS TAG RLS 40622
10170	734909.51400	786635.48800	2 3/4" GLO BC ON 1" IP FLUSH 1911
10171	733584.86400	785319.19200	2 3/4" GLO BC ON 1" IP 1911
10172	733583.88500	783999.40600	2 3/4" GLO BC ON 1" IP 1911
10173	733581.65700	782679.13900	2 3/4" GLO BC ON 1" IP 1911
10175	734905.76500	783996.52600	2 3/4" GLO BC ON 1" IP 1911
10177	736222.66900	783991.15300	2 3/4" GLO BC ON 1" IP 1911
10182	733582.45700	781359.04100	2 3/4" GLO BC ON 1" IP 1911
10186	733576.13800	778717.31900	2 3/4" GLO BC ON 1" IP 1911
10187	733570.05500	776076.71300	2 3/4" GLO BC ON 1" IP 1911
10188	736213.06600	776068.73000	2 3/4" GLO BC ON 1" IP 1911
10192	741499.89700	778701.25700	2 1/2" GLO BC ON 1" IP 1911
10193	742818.84200	778699.38900	2 1/2" GLO BC ON 1" IP 1911
10194	742817.57500	777379.76800	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
10195	744137.97900	777375.88400	2 3/4" GLO BC ON 1" IP INSIDE 2" IP 1911
10196	745453.26300	776054.75500	2 3/4" GLO BC ON 1" IP INSIDE 2" IP 1911
10197	745449.10100	774736.77800	2 3/4" GLO BC ON 1" IP 1911
10198	746769.90800	774736.85400	2 3/4" GLO BC ON 1" IP FLUSH 1911
10199	746764.93100	773419.40600	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
10206	744131.27800	776056.94700	2 3/4" GLO BC ON 1" IP INSIDE 2" IP 1911
10209	730956.02790	791927.24100	2 3/4" GLO BC ON 1" IP 1911
10212	729056.16800	796869.51340	3" REBAR W/METAL TAG LS 17278
10213	730378.97290	796863.95220	3" BIA-GRIC BC IN CONC RESET 1976
10217	727730.00760	802144.34080	2 3/4" GLO BC ON 1" IP FLUSH 1912
10218	749399.74500	772100.53700	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
10219	748081.86600	770781.58200	2 3/4" GLO BC ON 1" IP 1911
10220	749400.92300	769459.01400	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
10222	750721.39400	769458.78400	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
10223	750719.57600	768136.56100	2 1/2" GLO BC ON 1" IP FLUSH 1911
10224	750719.55300	766815.15600	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
10225	748078.91700	768135.10800	2 3/4" GLO BC ON 1" IP 1911
10226	748078.25300	766813.99700	1/2" REBAR W/1" PC RLS 13056
10227	748077.14900	765493.05600	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
10228	746758.20700	766815.08800	1/2" REBAR W/1" PC FLUSH RLS 13056
10229	746757.45100	765492.57900	2 1/2" GLO BC ON 1" IP 1911
10230	746756.09300	762854.52000	1/2" REBAR W/1" PC RLS 13056
10232	744116.03112	760219.45676	2 3/4" GLO BC ON 1" IP 1911
10233	741470.55186	757589.37105	2 3/4" GLO BC ON 1" IP 1911
10235	741463.17718	760237.73972	2 3/4" GLO BC ON 1" IP 1911
10236	752044.10900	768135.12000	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
10238	753359.28000	766811.85800	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
10239	752040.91800	766813.03200	1/2" REBAR W/1" PC RLS 13056
10240	752037.53500	765491.26900	1/2" REBAR W/1" PC RLS 32780
10241	754677.54700	766809.32500	1/2" REBAR W/1" PC RLS 13056
10242	754677.63600	765486.79300	3" BIA GRIC BC FLUSH IN CONC
10243	755997.60700	765486.74800	1/2" REBAR W/1" PC RLS 32780
10244	755996.41700	766807.83100	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
10245	755995.50300	764165.96500	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
10246	757316.77200	764162.64500	1/2" REBAR DN 0.6' ATTACHED BRASS TAG RLS 40622
10247	757317.91800	765481.92000	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622

SECTION CORNERS			
PT.	NORTHING	EASTING	DESCRIPTION
10248	758637.50800	765492.74200	1/2" REBAR W/1" PC FLUSH RLS 13056
10249	758637.08500	764168.54100	1/2" REBAR W/1" PC DN 0.2' RLS 13056
10250	759956.97600	765503.63000	3" GLO BC ON 1" IP 1932
10252	759957.51400	762845.51500	1/2" REBAR W/1" PC DN 0.6' RLS 13056
10253	761275.80400	764178.66100	1/2" REBAR W/1" PC RLS 13056
10254	761274.09400	762855.50200	1/2" REBAR W/1" PC RLS 13056
10255	762593.69900	762860.80200	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
10256	762593.81300	764179.69600	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
10257	762597.92200	765499.98500	2 1/2" GLO BC ON 1" IP FLUSH 1911
10258	763903.00800	781356.00100	3" GLO BC ON 1" IP 1911
10264	734048.61400	823010.62700	3/4" AC ON 3/8" RB RLS 34554 2005
10406	741507.85400	781339.85500	1" IP FILLED W/CONC INSIDE 2 1/2" IP ATTACHED BRASS TAG RLS 40622
10501	723459.60400	817895.01700	2 3/4" BC FLUSH W/PAVEMENT NO ID STAMPED RLS 40622
10506	738867.88400	781346.29100	2 3/4" GLO BC ON 1" IP 1911
10706	736230.70700	786633.15400	2 3/4" GLO BC ON 1" IP 1911
11601	731310.16900	809862.21300	2" AC DN 0.2' RLS 17258
11701	731331.30800	812508.15687	1/2" REBAR W/1" PC LS 34554
13000	749400.15300	770779.88300	3" BIA-GRIC BC ON 3/8" RB EL 19
13003	765228.62200	762854.47000	COTTON SPINDLE W/METAL TAG FLUSH RLS 13056
13004	765234.28900	765495.62600	2 3/4" GLO BC ON 1" IP 1911
13005	765223.40200	760213.05600	RUSTED 1/2" RB ATTACHED BRASS TAG RLS 40622
13006	767862.51900	760208.83600	1/2" REBAR W/PC IN HH DN 0.5' RLS 23780
13010	726397.64750	796879.98290	2" AC ON 1/2" RB RLS 21782 2008
13018	726147.94800	820525.76100	PK NAIL FLUSH W/PAVEMENT NO ID
13019	728737.90000	817869.56600	2 1/2" GLO BC ON 1" IP BENT 1998 1928
13022	753358.22000	769456.90100	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
13029	748091.52500	774743.08500	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
13031	744118.26500	765496.05400	1/2" REBAR ATTACHED BRASS TAG RLS 40622
13032	744106.82724	754950.19352	2 1/2" GLO BC ON 1" IP 1911
13039	738865.40300	778703.31400	2 1/2" GLO BC ON 1" IP 1911
13044	737546.85200	781349.50900	2 1/2" GLO BC ON 1" IP 1911
13047	731711.39200	799499.89800	COTTON SPINDLE IN PH DN 0.2' NO ID
13049	731698.71200	804549.02400	3" GRIC BC ON 3/8" RB RESET 1976
13301	731258.44900	804553.74400	2" AC ON 1/2" RB DN 0.2' RLS 37512
13303	732601.71664	807200.88267	1/2" REBAR W/1" PC HARVEY 42017
13304	732577.77730	804544.17833	2" AC ON 1/2" RB HANSEN ENGINEERING 520-723-3261
17901	737548.44500	782669.50400	2 3/4" GLO BC ON 1" IP 1911
18001	737551.11200	785310.30500	2 3/4" GLO BC LOOSE INSIDE OF 2 1/2" IP 1911
18401	738868.58400	782665.18200	2 1/2" IP W/1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
18901	740186.82400	781344.07300	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
19001	740182.30100	780023.27000	1" IP FILLED W/CONC ATTACHED BRASS TAG RLS 40622
20159	729649.07291	796867.02077	1/2" REBAR W/METAL TAG LS 17278
20215	729060.96540	799503.04990	COTTON SPINDLE IN POT HOLE DN 0.2' NO ID
26001	723342.56200	807301.17200	2 1/2" GLO BC IN POT HOLE DN 1.0'
26101	733976.44700	812457.37200	1/2" REBAR DN 0.5' ATTACHED BRASS TAG RLS 40622
26201	734018.55200	817729.12500	3/4" AC ON 3/8" RB RLS 34554 2004
26301	723544.04600	823198.51900	1" IP DN 0.3'

# RESULTS OF SURVEY

## CALCULATED POINTS

PT.	NORTHING	EASTING	PT.	NORTHING	EASTING	PT.	NORTHING	EASTING	PT.	NORTHING	EASTING	PT.	NORTHING	EASTING	PT.	NORTHING	EASTING	PT.	NORTHING	EASTING
101	726147.89831	820523.11750	166	749272.39944	770780.04765	238	751644.66131	767535.56844	★355	728677.43340	804581.68721	420	736226.75720	785334.89803	485	747899.44169	766814.14479	★554	765227.63167	762353.34318
102	736600.56348	784465.71551	167	749400.23647	770636.69119	239	751314.69479	767128.64648	★356	728757.43406	804580.82109	421	736247.05192	785312.12508	488	746757.17752	764961.32057	★555	765227.85039	762464.02222
103	728834.72720	823187.94627	168	749424.70783	770609.24901	240	752386.38211	766934.11888	★357	752005.51959	767901.20108	422	736381.16630	785311.93789	489	746757.07935	764770.60719	★556	772430.18837	753003.25477
104	728834.72312	823187.47114	169	749940.95459	770030.32984	241	751439.03706	766813.99948	★358	751929.23168	767965.89256	★423	737131.58502	784469.88378	490	745459.31735	762856.10986	557	772067.55260	754340.38558
105	728823.48654	821876.58803	170	750287.79765	769641.37999	242	751480.59840	766631.71653	★359	728759.24610	802130.75711	★424	737056.93944	784403.34028	491	745576.70504	762855.96594	★558	772238.93577	753435.29297
106	728819.93954	821462.78800	171	750721.00155	769173.36045	243	751861.36706	765491.20278	★360	728679.24529	802131.81295	425	737549.78961	784000.90910	492	744116.22505	762855.96594	★559	772158.16882	754056.48012
107	727860.99685	820515.98202	172	751809.39850	768135.37535	244	729238.68547	793251.45184	361	728760.21766	800817.09877	426	737559.63193	783989.87193	493	744116.14432	760486.84473	★560	773152.33283	752298.90821
108	728811.82463	820516.08513	173	751998.82976	767972.33674	251	768452.80133	760207.97253	362	728680.21722	800817.67343	427	737425.51339	783990.02140	★496	742744.41568	758452.36886	★561	773741.62207	752086.45828
109	728774.16013	820512.17847	174	752043.62473	767934.47649	252	770495.86175	757742.52335	★363	728761.18920	799503.48476	428	737549.63804	783850.82801	497	750721.10080	769245.54386	★562	773097.90882	752448.80696
110	728789.27161	817868.20162	175	753359.23243	766930.56043	253	775769.33586	750883.39093	★364	728771.18921	799503.47026	429	738606.16270	782666.04114	498	750720.90262	769101.40297	★563	773999.40144	751936.91431
111	728766.70794	815219.04179	176	753534.16416	766811.52197	255	773800.57229	751991.44350	★365	728681.18909	799503.60082	430	738740.54026	782665.60120	499	751733.44075	768135.45799	★564	772430.22031	753176.87854
112	728738.93853	812557.92860	177	753592.49336	765935.49387	256	772078.05253	754134.48216	★366	728671.18907	799503.61532	431	738868.50806	782522.09809	500	751885.64774	768135.29239	★565	776999.06961	750248.65165
113	728713.34798	810105.61386	178	763116.63605	781081.39887	257	735290.90844	785859.40868	367	764018.98138	762857.37689	432	738868.42836	782371.93640	501	752043.78235	767999.78263	★566	774575.46597	751497.94543
114	728713.50241	809896.81392	179	754677.59427	766106.89628	258	734702.09434	784696.78236	★368	728822.16294	798186.90581	★433	739784.41426	781344.74971	502	752043.46742	767869.30366	★567	774624.51305	751585.09120
115	728715.47023	807236.10956	180	755887.51921	765486.75175	★300	723520.34798	820484.06046	★369	728672.16260	798187.30184	★434	739918.60073	781344.52406	503	753359.20807	766991.35351	568	768379.38271	760208.07993
116	728717.43373	804581.25415	181	755997.52652	765436.22620	★301	723521.85915	820574.05613	★370	728622.16249	798187.43386	435	740185.79946	781044.88738	504	753359.25676	766869.85150	569	768525.89015	760207.86561
117	728719.24570	802131.28503	182	757317.41293	764900.47958	★302	724833.67821	820479.91209	★371	728773.13645	796870.59154	436	740185.28690	780895.21109	505	753444.50810	766811.69424	★570	770496.00945	757835.09787
118	728720.21744	800817.38610	183	758364.28253	764562.67426	★303	724835.16842	820579.90788	★372	728822.91473	797170.40099	437	740964.26573	780021.66415	★506	753624.40534	766811.34857	★571	770495.71262	757649.04970
119	728721.18914	799503.54279	184	758637.18582	764484.16137	★304	724836.04207	820659.90552	★373	728623.13599	796871.16293	438	741098.49679	780021.38849	★507	754677.59041	766164.31848	572	775677.50544	750940.76012
120	728722.16271	798187.16983	185	759957.25921	764104.38293	305	726146.53836	820450.76508	374	728773.85699	795896.34964	439	741502.51175	779568.32607	508	754677.59813	766049.52713	573	775769.32531	750826.02173
121	728723.13630	796870.78200	186	761275.21798	763725.21286	★308	728090.12829	820594.42891	375	728673.85668	795896.72879	440	741502.06018	779418.58141	509	755769.41675	765486.75578	★574	776740.87270	750279.21886
122	728723.85684	795896.53921	187	762593.74093	763345.88047	★309	728539.83094	820867.98621	376	728774.83458	794574.53936	441	742142.54038	778700.34683	510	755997.60304	765491.14094	★575	776742.49289	750220.93185
123	728724.83443	794574.72462	188	763268.68667	763151.70200	★310	728927.60685	825856.83412	377	728674.83428	794574.90988	442	742276.69505	778700.15683	511	756007.30901	765486.71252	576	776742.49289	750220.93185
124	728724.84961	794554.19756	189	769911.69602	761240.54181	★311	728757.63201	825860.49784	★378	728774.84960	794554.23454	443	742818.25964	778092.84624	512	755997.43910	765381.34925	577	7749309.71699	770813.32528
125	728725.38712	793827.43026	190	759748.42685	750915.61682	312	728862.09670	820547.61147	★379	728674.84963	794554.16058	444	742818.11554	777942.75678	513	757317.45906	764953.58720	578	749235.08190	770746.77001
126	730634.84909	794555.61017	191	764166.21205	762857.02308	★313	728618.11519	809898.10220	★380	729246.24613	793318.12005	445	743321.47827	777378.28576	514	757317.36681	764847.39169	★579	728904.72463	823188.80341
127	729208.91809	793284.85418	192	765227.74108	762408.70715	314	728904.70535	823185.09749	★381	729171.59005	793251.58832	446	743455.81589	777377.89060	★515	772373.62545	753349.90971	★580	728734.73087	823188.80341
128	729358.32990	793117.19734	193	771927.44100	754628.51650	315	728734.72628	823188.26747	382	729305.97713	793251.09515	447	744134.12460	776617.23514	★516	772494.52229	752902.46242	581	744158.75296	760555.95862
129	729638.77600	792802.50530	194	772019.72575	754325.80506	★316	728595.99367	807237.31788	383	729171.39384	793251.80853	448	744133.36556	776467.83526	★517	772515.14085	752902.46469	582	744073.62950	760608.43715
130	730417.61397	791928.56159	195	772110.95126	754040.03317	★317	729104.71730	822602.30319	384	729639.09479	792877.29971	★449	744500.31770	776056.33509	★518	772430.19455	753036.86235	583	746658.65948	764610.96399
131	730954.55278	791326.05591	196	772509.93148	752717.83740	★318	728554.66611	822598.68833	385	729638.45722	792727.71090	★450	744634.50135	776056.11260	★519	758350.45850	764514.62329	584	748178.19533	767266.30069
132	731597.71079	790604.36036	197	775718.10832	755296.48803	★319	729098.81041	821993.19243	★386	730484.73447	791928.39696	451	745450.37808	775141.18835	★520	758378.10655	764610.72524	587	728758.27423	803444.83034
133	732274.08973	798845.38718	198	773715.40678	752043.88178	★320	728924.01703	821938.04741	★387	730350.49347	791928.72622	452	745449.90528	774991.46749	521	758637.20244	764536.18466	588	728678.27380	803445.37849
134	732777.61636	789280.37372	199	773974.87791	751893.34142	★321	728724.25317	821966.45310	388	730954.73668	791401.00168	453	745677.01099	774736.79111	522	758637.16920	764432.13807	★589	772430.22752	753216.05921
135	733591.10683	788367.54601	200	749588.71881	769458.98129	★322	728549.45979	821991.30807	389	730954.36889	791251.11014	454	745810.98936	774736.79882	★523	759220.49229	764368.37513	590	728851.78834	820511.67997
136	733955.05335	787959.15713	201	750452.94623	769458.83076	★323	729097.72948	821787.08872	390	731664.87465	790604.14707	455	746765.86259	773666.00388	★524	759227.40430	764392.40061	★591	728852.09887	820547.90741
137	734910.45773	786887.08606	202	759717.10063	764173.47534	★324	728922.93610	821811.94370	391	731530.54692	790604.57365	456	746765.29737	773516.38665	★525	759192.84424	764272.27317	★592	749489.31555	770611.92343
138	735135.03101	786635.08960	203	774599.98951	751541.51832	★325	728723.17224	821840.34939	392	732274.26845	789920.33876	457	746851.59373	773419.61391	★526	759185.93223	764248.24768	★593	749673.21816	770730.09898
139	735589.25550	786125.39868	204	776974.54607	750205.07877	326	728548.37886	821865.20436	393	732273.91102	789770.43561	458	746985.29294	773419.93465	527	759450.07426	764172.25536	★594	749514.66614	770747.08054
140	736226.98506	785409.79446	205	728718.27401	803445.10442	327	729094.87604	821454.20095	394	732844.72366	789280.22391	459	748085.29124	772186.39645	528	759957.24341	764182.42959	★595	749421.93066	770687.48886
141	736314.10																			

# RESULTS OF SURVEY

## GENERAL NOTES

FOUR NGS CONTROL STATIONS WERE USED TO ESTABLISH THE CONTROL BASELINE FOR THIS SURVEY AND THEY ARE AS FOLLOWS:

DU1022 ( INDIAN) NAD 83(1992) 33°07' 34.03800" (N) 111°50'26.75937" (W)  
Grid Coordinates N 773,426.19 E 723,235.89  
Ground Coordinates (Pt. 5004) N 773,549.94127 E 723,351.60659

DU0546 (POSTEN) NAD 83(1992) 33°03' 18.71576" (N) 111°24' 32.11406" (W)  
Grid Coordinates N 747,990.00 E 855,565.77  
Ground Coordinates (Pt. 5005) N 748,109.67842 E 855,702.66213

DU0672 (O 282) NAD 83(1992) 33°11' 12.19321" (N) 111°33' 07.36766" (W)  
Grid Coordinates N 795,659.83 E 811,547.43  
Ground Coordinates (Pt. 5006) N 795,787.13634 E 811,677.27983

AH3759 (SCOTTSDALE CORS ARP) NAD 83(1992)  
33°34' 07.37896" (N) 111°52' 55.73445" (W)  
Grid Coordinates N 934,454.84 E 710,513.99  
Ground Coordinates (Pt. 5003) N 934,604.35326 E 710,627.66742

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

SYSTEM: UNITED STATES STATE PLANE 1983  
ZONE: ARIZONA CENTRAL Q202  
DATUM: NORTH AMERICAN 1983 (CONUS) EQUIVALENT TO WGS-84  
GEOID MODEL: GEOID03 (CONTINENTAL US)

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

DIRECT SATELLITE OBSERVATIONS 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. A GRID ADJUSTMENT FACTOR OF 1.00016 AND SCALE ORIGIN VALUES OF N=0.00, E=0.00, AS OBTAINED FROM ADOT REGIONAL MAP WERE USED FOR THE TRANSLATION TO THE SURFACE.

MONUMENT VERIFICATION AND ACCEPTANCE:

THE MONUMENTATION 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 DRAWING, PLATS, AND NOTES READILY AVAILABLE AT THE TIME THE SURVEY WAS PREPARED.

THIS RESULTS OF SURVEY IS ON FILE IN THE FILE ROOM OF THE RIGHT OF WAY PLANS SECTION OF THE ARIZONA DEPARTMENT OF TRANSPORTATION, 205 SOUTH 17TH AVENUE, MD 612E, PHOENIX, AZ 85007. (602) 712-7270. SEE ADOT R/W FILE COPY FOR MOST CURRENT ADDITIONS OR REVISIONS.

FOR ADDITIONAL INFORMATION ON SECTION CORNER DESCRIPTIONS, SEE CORNER RECOVERY SHEETS IN THE ADOT R/W PLANS SECTION RECORDS.

Sacaton Road EXISTING R/W LINE					
LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
358	0+24.49	50.00 LT	357	0+26.69	50.00 RT
545	5+37.97	50.00 LT	546	5+37.97	50.00 RT
240	Radius Pt.	- - -	240	Radius Pt.	- - -
548	13+02.94	50.00 LT	547	13+15.82	50.00 RT
240	Radius Pt.	- - -	240	Radius Pt.	- - -
550	14+96.30 BK	50.00 LT	549	14+96.30 BK	50.00 RT
550	28+23.88 AHD	50.00 LT	549	28+23.88 AHD	50.00 RT
552	40+09.60	50.00 LT	551	40+42.95	50.00 RT

SR 87 & 287 EXISTING R/W LINE					
LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
308	435+30.81	75.00 LT	93601	428+81.98	50.00 RT
10910	441+58.83	75.00 LT	10909	441+60.26	50.00 RT
10911	441+58.26	130.00 LT	10908	441+60.58	75.00 RT
10907	454+71.66	130.00 LT	305	454+73.93	75.00 RT
304	467+85.08	130.00 LT	10902	467+87.32	75.00 RT
303	467+85.70	50.00 LT	302	467+86.87	50.00 RT
341	473+58.92	50.00 LT	300	480+98.18	50.00 RT
340	473+58.95	45.00 LT			
339	475+58.95	45.00 LT			
336	475+58.98	40.00 LT			
301	480+98.98	40.00 LT			

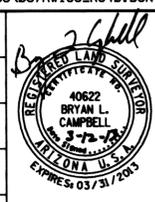
SR 187 EXISTING R/W LINE					
LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
10303	613+61.80	50.00 LT	496	613+61.80	50.00 RT
10299	635+00.69	50.00 LT	10300	634+39.99	50.00 RT
493	638+13.48	50.00 LT	582	638+94.66 BK	50.00 RT
581	638+94.66 BK	50.00 LT	582	638+92.80 AHD	50.00 RT
581	638+92.80 AHD	50.00 LT	492	639+73.98	50.00 RT
491	665+94.78	50.00 LT	490	665+33.30	50.00 RT
583	686+56.49 BK	50.00 LT	10290	686+56.49 BK	50.00 RT
583	686+55.00 AHD	50.00 LT	10290	686+55.00 AHD	50.00 RT
489	688+42.54	50.00 LT	488	690+04.94	50.00 RT
10286	696+90.88	50.00 LT	10285	696+29.18	50.00 RT
484	712+43.10	50.00 LT	485	711+81.57	50.00 RT
483	713+60.19	50.00 LT	482	715+22.58	50.00 RT
10279	717+12.74 BK	50.00 LT	586	717+12.74 BK	50.00 RT
10279	717+11.10 AHD	50.00 LT	586	171+11.10 AHD	50.00 RT
480	727+94.11	50.00 LT	481	727+32.35	50.00 RT
479	738+77.88	50.00 LT	478	740+40.55	50.00 RT
544	743+48.62	50.00 LT	543	742+86.99	50.00 RT
475	749+21.90	50.00 LT	474	749+51.75	50.00 RT

SR 287 EXISTING R/W LINE					
LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
311	379+37.24	100.00 LT	310	379+39.45	70.00 RT
580	406+09.04 BK	100.00 LT	579	406+09.04 BK	70.00 RT
580	406+12.18 AHD	100.00 LT	579	406+12.18 AHD	70.00 RT
315	406+12.72	100.00 LT	314	406+14.43	70.00 RT
10919	412+03.82	100.00 LT	10924	411+95.49	70.00 RT
318	412+03.82	275.00 LT	317	411+95.49	275.00 RT
322	418+11.22	275.00 LT	319	418+84.62	275.00 RT
321	418+34.58	100.00 LT	320	418+61.27	100.00 RT
325	419+60.68	100.00 LT	324	419+87.38	100.00 RT
326	419+37.33	275.00 LT	323	420+10.73	275.00 RT
309	429+34.58	275.00 LT	327	423+43.63	275.00 RT
			328	423+44.97	285.00 RT
			329	426+40.69	285.00 RT
			330	426+35.75	50.00 RT
			312	432+52.18	50.00 RT
			591	432+51.97	40.00 RT
			590	432+88.20	40.00 RT

SR 387 EXISTING R/W LINE					
LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
10341	272+17.42	100.00 LT	10342	272+17.42	100.00 RT
417	288+01.35	100.00 LT	418	287+82.84	100.00 RT
415	314+54.67	100.00 LT	416	314+36.09	100.00 RT
413	327+80.58	100.00 LT	414	327+61.97	100.00 RT
411	341+06.54	100.00 LT	412	340+87.94	100.00 RT
10321	346+00.00	100.00 LT	10322	346+00.00	100.00 RT
10319	349+00.00	100.00 LT	10320	349+00.00	100.00 RT
102	Radius Pt.	- - -	102	Radius Pt.	- - -
410	352+58.12	100.00 LT	409	354+03.30	100.00 RT
102	Radius Pt.	- - -	102	Radius Pt.	- - -
408	355+02.45	100.00 LT	407	356+56.47	100.00 RT
102	Radius Pt.	- - -	102	Radius Pt.	- - -
406	360+28.10	100.00 LT	10314	360+28.10	100.00 RT
10311	363+28.10	100.00 LT	10312	363+28.10	100.00 RT
405	364+77.72	100.00 LT	404	364+77.76	100.00 RT

1930's Hwy EXISTING R/W LINE		
LEFT SIDE		
PT.	STATION	OFFSET
309	430+25.61	50.00 LT
331	Radius Pt.	- - -
308	435+89.21	50.00 LT

CHANGE ORDER REVISIONS					DRAWING NO.	ARIZONA DEPARTMENT OF TRANSPORTATION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS		D-11-T-489	INTERMODAL TRANSPORTATION DIVISION	
					Sept. 2010	RIGHT OF WAY PLANS SECTION	
					A.Grass/Dec 10	HIGHWAY NAME:	
					Steve McLain	Picacho-Coolidge-Chandler-Mesa	
						FEDERAL AID No.:	
						087-A (202) A	
						PROJECT No.:	
						087 PN 135 H7896 01R	
						ROUTE No.:	
					S.R. 87	LOCATION:	
						Jct. SR 287-Gila River	



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SHEET RS-40

# RESULTS OF SURVEY

SR 87 EXISTING R/W LINE					
LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
565	27+24.81	50.00 LT	2004	27+24.81	100.00 RT
572	13+13.70	50.00 LT	575	25+14.81	100.00 RT
567	0+00.00 BK	50.00 LT	574	24+84.81	50.00 RT
			573	13+69.96	50.00 RT
			566	0+00.00 BK	50.00 RT
567	585+00.00 AHD	50.00 LT	566	585+00.00 AHD	50.00 RT
563	592+17.32	50.00 LT	600	592+17.32	50.00 RT
561	595+17.32	50.00 LT	601	595+17.32	53.97 RT
197	Radius Pt.	- - -	560	601+13.34	126.00 RT
559	621+28.92	50.00 LT	210	Radius Pt.	- - -
557	624+28.92	50.00 LT	516	609+69.23	195.61 RT
3313	627+45.39 BK	50.00 LT	517	609+57.49	179.07 RT
			210	Radius Pt.	- - -
3313	628+14.29 AHD	50.00 LT	518	611+09.29	169.80 RT
190	Radius Pt.	- - -	556	610+82.90	188.94 RT
570	663+29.79	50.00 LT	210	Radius Pt.	- - -
190	Radius Pt.	- - -	558	615+32.90	126.00 RT
569	694+09.28	50.00 LT	602	621+28.92	53.97 RT
190	Radius Pt.	- - -	603	624+28.92	50.00 RT
555	734+05.95	50.00 LT	3314	627+45.39 BK	50.00 RT
190	Radius Pt.	- - -			
540	754+79.93	50.00 LT	3314	628+14.29 AHD	50.00 RT
537	761+96.63	50.00 LT	190	Radius Pt.	- - -
534	772+06.71	50.00 LT	571	661+72.90	50.00 RT
533	772+06.71	75.00 LT	190	Radius Pt.	- - -
531	775+75.73	75.00 LT	568	695+16.36	50.00 RT
530	789+19.15	75.00 LT	190	Radius Pt.	- - -
528	789+47.27	75.00 LT	554	733+58.52	50.00 RT
524	797+06.71	75.00 LT	190	Radius Pt.	- - -
523	797+06.71	50.00 LT	367	746+73.80	50.00 RT
521	803+13.66	50.00 LT	190	Radius Pt.	- - -
520	805+83.26	50.00 LT	539	754+79.93	50.00 RT
178	Radius Pt.	- - -	538	761+67.87	50.00 RT
513	817+01.40	50.00 LT	536	772+06.71	50.00 RT
178	Radius Pt.	- - -	535	772+06.71	75.00 RT
511	831+20.39	50.00 LT	532	775+32.78	75.00 RT
178	Radius Pt.	- - -	529	789+04.08	75.00 RT
510	831+31.09	50.00 LT	527	794+31.85	75.00 RT
178	Radius Pt.	- - -	526	797+06.71	75.00 RT
507	846+17.64	50.00 LT	525	797+06.71	50.00 RT
178	Radius Pt.	- - -	522	802+84.92	50.00 RT
506	858+57.57	50.00 LT	519	805+83.26	50.00 RT
178	Radius Pt.	- - -	178	Radius Pt.	- - -
503	861+79.03	50.00 LT	514	816+65.66	50.00 RT
178	Radius Pt.	- - -	178	Radius Pt.	- - -
501	878+42.00	50.00 LT	512	830+85.77	50.00 RT
178	Radius Pt.	- - -	178	Radius Pt.	- - -
500	880+50.87	50.00 LT	509	833+36.25	50.00 RT
178	Radius Pt.	- - -	178	Radius Pt.	- - -
497	896+65.14	50.00 LT	508	845+61.27	50.00 RT
178	Radius Pt.	- - -	178	Radius Pt.	- - -
542	899+58.51	50.00 LT	505	860+07.12	50.00 RT
178	Radius Pt.	- - -	178	Radius Pt.	- - -
476	902+50.77 BK	50.00 LT	504	861+10.02	50.00 RT
			178	Radius Pt.	- - -
476	902+46.00 AHD	50.00 LT	502	877+58.19	50.00 RT
472	912+50.90	50.00 LT	178	Radius Pt.	- - -
471	912+50.90	100.00 LT	357	878+07.62	50.00 RT
470	914+50.90	100.00 LT	178	Radius Pt.	- - -
469	914+50.90	50.00 LT	358	879+07.35	50.00 RT
592	915+01.80	50.00 LT	178	Radius Pt.	- - -
593	914+67.60	265.91 LT	499	881+65.61	50.00 RT
594	915+85.80	158.87 LT	178	Radius Pt.	- - -
595	916+03.04	50.00 LT	498	895+61.33	50.00 RT
464	916+35.71	50.00 LT	178	Radius Pt.	- - -
463	917+26.94	50.00 LT	541	900+50.32	50.00 RT
577	917+71.65 BK	50.00 LT	178	Radius Pt.	- - -
			477	902+50.77 BK	50.00 RT
577	13+81.71 AHD	50.00 LT			
460	31+08.33	50.00 LT	477	902+46.00 AHD	50.00 RT
459	32+21.42	50.00 LT	475	907+00.03	50.00 RT
458	48+74.18	50.00 LT			
455	52+03.88	50.00 LT	474	908+04.39	50.00 RT
454	66+38.59	50.00 LT	468	913+50.90	50.00 RT
451	71+80.41	50.00 LT	467	913+50.90	100.00 RT
450	84+06.27	50.00 LT	473	914+67.30	100.00 RT
447	91+58.09	50.00 LT	466	915+50.90	100.00 RT

SR 87 EXISTING R/W LINE					
LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
446	101+77.26	50.00 LT	465	915+50.90	50.00 RT
443	111+35.19	50.00 LT	578	917+71.65 BK	50.00 RT
442	119+48.90	50.00 LT			
439	131+12.12	50.00 LT	578	13+81.71 AHD	50.00 RT
438	137+19.16	50.00 LT	462	14+26.41	50.00 RT
435	150+90.49	50.00 LT	461	31+09.83	50.00 RT
434	154+91.96	50.00 LT	457	49+62.93	50.00 RT
431	170+69.74	50.00 LT	456	50+92.59	50.00 RT
430	172+62.01	50.00 LT	453	67+27.75	50.00 RT
426	190+36.34	50.00 LT	452	70+68.98	50.00 RT
425	190+51.13	50.00 LT	449	84+95.74	50.00 RT
423	196+79.49	50.00 LT	448	90+47.09	50.00 RT
422	208+07.41	50.00 LT	445	102+66.96	50.00 RT
419	210+38.81	50.00 LT	444	110+23.27	50.00 RT
402	225+79.58	50.00 LT	441	120+38.33	50.00 RT
400	230+17.52	50.00 LT	440	130+00.66	50.00 RT
398	243+53.22	50.00 LT	437	138+08.70	50.00 RT
396	250+00.62	50.00 LT	436	149+79.12	50.00 RT
394	261+22.83	50.00 LT	433	155+81.44	50.00 RT
392	269+80.25	50.00 LT	432	169+57.72	50.00 RT
390	278+96.20	50.00 LT	429	173+51.77	50.00 RT
388	289+63.56	50.00 LT	428	189+39.21	50.00 RT
386	296+70.00	50.00 LT	427	191+25.71	50.00 RT
384	309+41.03	50.00 LT	424	196+79.49	50.00 RT
382	314+41.72	50.00 LT	421	208+96.78	50.00 RT
380	315+31.50	50.00 LT	420	209+27.28	50.00 RT
126	Radius Pt.	- - -	405	218+41.57	50.00 RT
378	329+20.41	50.00 LT			
376	329+40.71	50.00 LT	404	220+41.57	50.00 RT
374	342+62.52	50.00 LT	403	226+69.02	50.00 RT
371	352+36.77	50.00 LT	401	229+06.16	50.00 RT
10212	352+35.48	333.03 LT	399	244+42.49	50.00 RT
20159	352+32.55	925.93 LT	397	248+89.14	50.00 RT
372	355+36.54	100.00 LT	395	262+12.35	50.00 RT
368	365+53.04	100.00 LT	393	268+68.58	50.00 RT
576	365+53.21	50.00 LT	391	279+85.88	50.00 RT
364	378+69.65	50.00 LT	389	288+51.90	50.00 RT
363	378+69.67	40.00 LT	387	297+59.55	50.00 RT
361	391+83.28	40.00 LT	385	308+29.78	50.00 RT
359	404+96.94	40.00 LT	381	315+31.50	50.00 RT
587	418+11.01	40.00 LT	383	315+31.78	50.00 RT
356	429+47.01	40.00 LT	126	Radius Pt.	- - -
354	456+01.93	40.00 LT	379	329+20.41	50.00 RT
351	482+62.47	40.00 LT	377	329+41.16	50.00 RT
349	484+71.83 BK	40.00 LT	375	342+62.98	50.00 RT
			10951	352+37.22	50.00 RT
349	540+07.12 AHD	40.00 LT	373	352+37.45	100.00 RT
348	564+59.22	40.00 LT	370	365+53.72	100.00 RT
346	591+20.30	40.00 LT	369	365+53.55	50.00 RT
343	617+69.36	40.00 LT	366	378+69.86	50.00 RT
590	644+14.00	40.00 LT	365	378+69.84	40.00 RT
			362	391+83.92	40.00 RT
			360	404+98.06	40.00 RT
			588	418+11.62	40.00 RT
			355	429+47.93	40.00 RT
			335	429+48.20	63.02 RT
			334	429+48.87	143.02 RT
			333	455+44.14	40.00 RT
			316	456+03.62	119.48 RT
			30141	482+63.81	55.39 RT
			352	482+63.59	40.00 RT
			313	482+64.39	95.39 RT

SR 87 EXISTING R/W LINE		
RIGHT SIDE		
PT.	STATION	OFFSET
350	484+71.83 BK	40.00 RT
350	540+07.12 AHD	40.00 RT
347	564+59.92	40.00 RT
344	591+21.43	40.00 RT
30151	591+21.81	65.33 RT
13019	617+71.01	51.38 RT
338	638+07.01	40.79 RT
10937	638+07.20	75.79 RT
93601	643+68.67	72.87 RT

SR 87 EXISTING R/W LINE		
RIGHT SIDE		
PT.	STATION	OFFSET
562	602+50.39	50.00 RT
197	Radius Pt.	- - -
515	613+95.85	50.00 RT

SR 87 EXISTING R/W LINE		
RIGHT SIDE		
PT.	STATION	OFFSET
562	602+50.39	50.00 RT
210	Radius Pt.	- - -
353	608+97.97	97.86 RT
342	609+10.47	114.57 RT
210	Radius Pt.	- - -
564	612+21.97	92.18 RT
589	612+54.29	71.08 RT
210	Radius Pt.	- - -
515	613+95.85	50.00 RT

CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	INTERMODAL TRANSPORTATION DIVISION
				DRAWN/DATE	A.Grass/Dec 10	RIGHT OF WAY PLANS SECTION
				ADOT REVIEW	Steve McLain	HIGHWAY NAME:
						Picacho-Coolidge-Chandler-Mesa
						FEDERAL AID NO.:
						087-A (202) A
						PROJECT NO.:
						087 PN 135 H7896 01R
				ROUTE NO.:	S.R. 87	LOCATION:
						Jct. SR 287-Gila River



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# RESULTS OF SURVEY

EXISTING R/W MONUMENTATION S.R. 87 ALIGNMENT					
PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
2000	749523.69900	770566.28100	FD 3" ADOT HWY DEPT BRASS CAP FLUSH STAMPED 19	914+44.85	45.28 LT
2004	776925.49900	750117.93300	FD 3" BC RAISED 0.5' STAMPED ADOT HIGHWAY DEPT 1963 PC 27+24.81 100' LT	27+24.81	100.00 RT
2005	749515.54800	770425.06300	FD 3" ADOT HWY DEPT ALUM CAP FLUSH STAMPED 19	913+44.88	54.79 RT
3070	749345.94474	770547.32288	FD ANGLE IRON R/W MARKER	915+49.00	100.00 RT
3071	749475.91150	770401.11100	FD ANGLE IRON R/W MARKER	913+53.38	100.31 RT
3072	749562.28700	770606.51900	FD ANGLE IRON R/W MARKER	914+49.20	100.87 LT
3073	749692.27950	770460.43800	FD ANGLE IRON R/W MARKER	912+53.65	100.66 LT
3074	751373.49983	768461.04750	FD ANGLE IRON R/W MARKER	886+49.57	50.00 RT
3075	751442.07300	768534.53150	FD ANGLE IRON R/W MARKER	886+49.43	50.51 LT
3076	753038.86750	767095.86000	FD ANGLE IRON R/W MARKER	865+00.98	49.48 RT
3110	763252.45071	763104.34492	FD ANGLE IRON R/W MARKER	754+82.44	50.00 RT
3111	761791.31800	763524.22100	FD ANGLE IRON R/W MARKER	770+02.70	50.47 RT
3151	765591.90011	762284.15103	FD ANGLE IRON R/W MARKER	730+01.46	50.00 LT
3154	765546.06549	762195.27355	FD ANGLE IRON R/W MARKER	730+01.60	50.00 RT
3311	771291.28400	756405.95500	FD ANGLE IRON R/W MARKER	646+99.54	49.67 LT
3312	771200.98600	756362.92800	FD ANGLE IRON R/W MARKER	646+99.47	50.35 RT
3313	771975.26786	754643.09702	FD ANGLE IRON R/W MARKER	627+45.39	50.00 LT
3314	771879.61414	754613.93598	FD ANGLE IRON R/W MARKER	628+14.29	50.00 RT
3315	772068.45500	754338.67100	FD ANGLE IRON R/W MARKER	624+27.02	50.36 LT
3316	771972.47370	754309.33903	FD ANGLE IRON R/W MARKER	624+26.95	50.00 RT
3317	772159.64778	754052.24229	FD ANGLE IRON R/W MARKER	621+24.38	50.00 LT
3318	772063.13800	754024.27300	FD ANGLE IRON R/W MARKER	621+29.76	50.34 RT
3319	772782.65325	752931.34694	FD ANGLE IRON R/W MARKER	608+18.62	50.00 LT
3320	772704.25800	752868.37900	FD ANGLE IRON R/W MARKER	608+18.77	50.55 RT
3321	774005.23901	751933.62883	FD ANGLE IRON R/W MARKER	592+10.62	50.00 LT
3322	773958.11599	751845.40017	FD ANGLE IRON R/W MARKER	592+08.41	50.00 RT
3323	773695.03700	751997.37700	FD ANGLE IRON R/W MARKER	595+10.37	50.29 RT
3324	773747.74228	752082.69791	FD ANGLE IRON R/W MARKER	595+10.04	50.00 LT
10159	729649.08941	796867.29283	FD 2 1/2" IRON PIPE UP 5.05' NO ID	352+32.82	925.95 LT
10936	728738.82003	820467.42057	FD 3/4" BLM BRASS CAP ON 2 1/2" IRON PIPE UP 0.1' STAMPED T5S R8S	643+68.78	72.59 RT
10937	728730.83771	819905.88694	FD 3/4" BRASS CAP ON 2 1/2" IRON PIPE UP 0.8' STAMPED PRECISION LAND SURVEY	638+07.20	75.79 RT
10938	728766.04820	819905.68250	FD 3/4" BLM BRASS CAP ON 2 1/2" IRON PIPE IN DIRT HOLE DN 0.1' STAMPED T5S R8S	638+07.29	40.58 RT
10951	728673.13614	796870.97247	FD 1/2" REBAR W/CAP UNREADABLE IN DIRT HOLE DN 0.3'	352+37.22	50.00 RT
30020	728771.71263	798186.32994	FD 1/2" REBAR W/1" PLASTIC CAP UP 0.1' STAMPED RLS 13056	365+52.51	49.55 LT
30021	728886.43580	796851.72716	FD 3/4" REBAR UP 0.6' NO ID	352+17.82	163.29 LT
93601	728738.54123	820467.31409	FD 2" ALUM CAP UP 0.15' STAMPED HANSEN ENGINEERING 520-723-3261 RLS 37512	643+68.67	72.87 RT

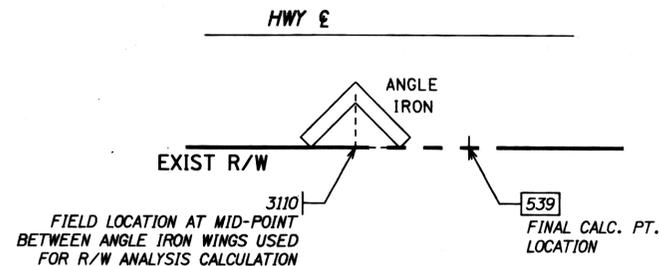
ALL STATIONS & OFFSETS LISTED ABOVE ARE FROM THE EXISTING R/W  $\epsilon$ . STATION & OFFSETS OF ANGLE IRONS ARE TO THE FIELD LOCATION POINT SHOWN IN THE "ANGLE IRON DETAIL".

AMEC SURVEY CONTROL POINT			
The point shown below was used to establish local secondary project control, based on the control stations shown in the general notes.			
PT.	NORTHING	EASTING	DESCRIPTION
87001	728682.31952	803981.09540	SET 3" BRASS CAP RAISED 0.3' IN CONCRETE STAMPED SR87-001 RLS 40622 AT M.P. 137.8
87002	733438.46938	788466.55147	SET 3" BRASS CAP RAISED 0.3' IN CONCRETE STAMPED SR87-002 RLS 40622 AT M.P. 140.9
87003	745419.53205	775032.38134	SET 3" BRASS CAP RAISED 0.3' IN CONCRETE STAMPED SR87-003 RLS 40622 AT M.P. 144.2
87004	757779.97840	764692.41921	SET 3" BRASS CAP RAISED 0.3' IN CONCRETE STAMPED SR87-004 RLS 40622 AT M.P. 147.8
87005	771588.35739	755472.12920	SET 3" BRASS CAP RAISED 0.3' IN CONCRETE STAMPED SR87-005 RLS 40622 AT M.P. 151.1

MISCELLANEOUS MONUMENTATION			
PT.	NORTHING	EASTING	DESCRIPTION
1001	770500.52035	760204.94666	FD 3/4" GRIC ALUM CAP ON 5/8" REBAR UP 0.2' STAMPED T3S/T4S S 34/35/3/2 LS 28237 A-TEAM 2004 NOT ACCEPTED
1006	775768.14926	749647.03667	FD PK NAIL FLUSH IN PAVEMENT NOT ACCEPTED
3100	728811.78980	820512.02174	FD PK NAIL FLUSH NO ID
3101	728812.07673	820512.10219	FD PK NAIL FLUSH NO ID
3140	728513.33333	821920.69524	SHOT AT CENTER OF RAILROAD TRACK
3141	728746.85280	821887.47804	SHOT AT CENTER OF RAILROAD TRACK
3142	729109.05463	821835.98396	SHOT AT CENTER OF RAILROAD TRACK
3603	738913.10279	783985.40575	FD 1/2" REBAR W/1" PLASTIC CAP DN 0.1' DIRT HOLE RLS 13056
10131	728621.66943	804510.45726	FD 3" US INDIAN IRRIGATION SERVICE BRASS CAP ON 5/8" REBAR FLUSH W/GROUND STAMPED ELEV 1399.17 1936
10138	729048.70765	800820.57672	FD 1/2" REBAR W/1" PLASTIC CAP IN DIRT HOLE DN 1.0' STAMPED RLS 32780 NOT ACCEPTED
10215	729051.80100	799503.77423	FD MAG NAIL FLUSH W/PAVEMENT NO ID
13001	728679.92837	812579.28078	FD 1/2" REBAR IN DIRT HOLE DN 1.0' NO ID NOTE FD 2" ALUM CAP BUSTED OFF LYING IN DIRT HOLE BY REBAR NO MARKINGS NOT ACCEPTED
30172	731404.93024	820435.34601	FD 1 1/2" ALUM CAP ON 1/2" REBAR IN DIRT HOLE DN 0.1' UNREADABLE

### ANGLE IRON DETAIL

NTS



NOTE: DETAIL IS CONCEPTUAL ONLY. ACTUAL LOCALATIONAL RELATIONSHIP BETWEEN THE ANGLE IRON, FINAL CALC. PT. AND R/W LINE VARIES FOR EACH POINT

THE METHODOLOGY AND ANALYSIS REGARDING ITEMS SHOWN HEREON IN THE EXISTING R/W MONUMENTATION TABLE AND THE ANGLE IRON DETAIL ARE BASED ON HISTORICAL ADOT R/W MONUMENTATION STANDARDS AND PRACTICES. REFERENCE IS MADE TO HISTORICAL ADOT MONUMENT DETAIL A-1 (1939) AND C-1 (1955)

CHANGE ORDER REVISIONS				DRAWING NO.	D-11-T-489	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
C.O. NO.	DATE	BY	DESCRIPTION OF REVISIONS	SURVEY	Sept. 2010	HIGHWAY NAME:	
				DRAWN/DATE	A.Grass/Dec 10	Piochoo-Coolidge-Chandler-Mesa	
				ADOT REVIEW	Steve McLain	FEDERAL AID NO.:	
				<b>amec</b>		087-A (202) A	
						PROJECT NO.:	
						087 PN 135 H7896 OIR	
				ROUTE NO.:	S.R. 87	LOCATION:	Jct. SR 287-Gila River



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SHEET RS-42

# RESULTS OF SURVEY

GILA RIVER INDIAN COMMUNITY RIGHT OF WAY PLANS			
ROUTE NO./ROAD NAME	DWG NO.	DESCRIPTION	DATE
ROUTE 1 / SACATON ROAD	GR-1-4	R/W MAP	MAR 1993
ROUTE 7 / S. SACATON ROAD	GR-7-1	R/W MAP	DEC 1966
ROUTE 98 / HASHAN KEHK ROAD	GR-98-2	R/W MAP	MAY 1985
ROUTE 104 / BLACKWATER SCHOOL ROAD	UNREADABLE	R/W MAP	DEC 1965
ROUTE 260 / FOUR MILE POST ROAD	GR-260-1	R/W MAP	NOV 1998
ROUTE 260 / MAWID STREET	GR-260-2	R/W MAP	NOV 1998

GLO & BLM FIELD NOTES	
VOLUME	PAGES
R622	36-45
R629	10-33
R637	61-63
R1473	1-33
R1504	6-19
R1607	1-19, 35-37
R2009	7-18, 71-75
R2873	40-55, 74-75, 143-170, 177-185
R3389	9-11
R3474	2, 4, 7-9, 23, 26-28, 48, 59-63
R3475	2-33, 40-42, 132-137
R3476	1-62
R3477	1-3, 9, 14-17, 20-24, 27-31
R3834	17-18
R3835	21-23, 35-38, 41-45, 49-51, 56-58
R3957	1-17, 24, 57-60

GLO & BLM PLATS		
PLAT NO.	DESCRIPTION	DATE
1480	T3S, R6E Gila River Indian Reservation	1920
1536	T4S, R6E Township	1920
1532	T4S, R6E Gila River Omitted Lands	1938
1531	T4S, R6E Section 14 Supplemental Plat	1938
1541	T4S, R7E Resurvey Township	1921
1632	T5S, R7E Township	1892
1630	T5S, R7E Gila River Indian Reservation	1920
1628	T5S, R7E Dependant Resurvey	1930
1638	T5S, R8E Township	1870
1637	T5S, R8E Gila River Indian Reservation	1921
1635	T5S, R8E Dependant Resurvey	1930
1634-B	T5S, R8E Section 16 Highway Easement	1998
1634-A	T5S, R8E Section 16 Dependant Resurvey	1998

ADOT RIGHT OF WAY PLANS AND AS-BUILTS				
PROJECT NO.	DWG NO.	ADOT TRACS NO.	DESCRIPTION	DATE
FA-97-B			As-Built	1932
F-087-A-800	D-11-T-471	0870PN 145 H4895 01R	R/W PLANS	2000
STP-055-1 (18)	D-11-T-470	287 PN 134 H3156 02R	R/W PLANS	1996
F-019-1 (15)	D-11-T-374		R/W PLANS	1961
F-019-1 (10)	D-11-T-372		R/W PLANS	1961
F-055-1-702	D-11-T-435		R/W PLANS	1980
F-021-1 (7)	A-11-T-380		R/W STRIP	1962
	11-T-74		R/W STRIP	1927
F-021-1 (1) (EXTENDED)	A-11-T-348		R/W STRIP	1958
F-019-1 (10)	D-11-T-372A		R/W STRIP	1962
F-021-1 (1)	A-11-T-327A		R/W STRIP	1956
F-019-1 (15)	C-11-T-374A		R/W STRIP	1961
F-021-1 (1)	A-11-T-352		R/W STRIP	1958
F-021-1-811	D-11-T-411		R/W PLANS	1967
W. P. M. S. 122			As-Built	1937

**PUBLIC INFORMATION USED IN PREPARATION OF SURVEY**  
**PINAL COUNTY RECORDER'S OFFICE**

SEC.	TWP.	RNG.	BOOK	PAGE	DESCRIPTION
7	5S	8E	17	59	Boundary Survey
8	5S	8E	3	114	Minor Land Division
8	5S	8E	19	127	ALTA Survey
8	5S	8E	16	89	Pima Lateral
17 & 18	5S	8E	19	221	ALTA Survey
17	5S	8E	21	108	ALTA Survey
12	5S	7E	19	101	Result of Survey
10 & 11	5S	7E	2007	68460	(Fee No.) Deed and Assignment of Right of Way
16	5S	8E	1001	616	(Docket) Resolution of Establishment

EXISTING R/W MONUMENTATION S.R. 87/287 ALIGNMENT					
PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3107	724864.90400	820453.45300	FD 3" AZ HWY DEPT BRASS CAP FLUSH	467+55.50	75.01 RT
3108	724865.48800	820603.30900	FD 3" AZ HWY DEPT BRASS CAP FLUSH	467+55.54	74.85 LT
10902	724833.15006	820454.91363	FD 3/4" BLM BRASS CAP ON 2 1/2" IRON PIPE IN DIRT HOLE DN 0.5' STAMPED S16 AP6 1998 T5S R8E	467+87.26	73.68 RT
10907	726149.46392	820655.75675	FD 1/2" REBAR W/1" PLASTIC CAP IN DIRT HOLE DN 0.3' STAMPED RLS 31587	454+71.79	132.64 LT
10908	727459.86930	820446.48308	FD 3/4" BLM BRASS CAP ON 2 1/2" IRON PIPE UP 0.25' STAMPED S16 AP4 1998 T5S R8E	441+60.53	71.17 RT
10909	727460.27570	820471.48188	FD 3/4" BLM BRASS CAP ON 2 1/2" IRON PIPE IN DIRT HOLE DN 0.4' STAMPED S16 T5S R8E AP4 1998	441+60.22	46.17 RT
10910	727462.11199	820596.47656	FD 1/2" REBAR IN DIRT HOLE DN 0.3' NO ID	441+58.91	78.83 LT
10911	727462.86255	820651.47441	FD 1/2" REBAR FLUSH NO ID	441+58.39	133.83 LT
20911	727464.27367	820653.52587	FD 1/2" REBAR FLUSH NO ID	441+56.98	135.89 LT

EXISTING R/W MONUMENTATION S.R. 187 ALIGNMENT					
PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
10275	749400.52597	769248.99775	FD TRIANGULAR WOOD POST UP 2.0' NO ID	740+40.30	50.00 RT
10276	749400.21469	769057.93870	FD TRIANGULAR WOOD POST UP 2.6' NO ID	738+77.50	50.00 LT
10279	748263.31879	767213.82216	FD TRIANGULAR WOOD POST UP 1.5' NO ID	717+12.74	50.00 LT
10285	747084.77072	765492.69731	FD TRIANGULAR WOOD POST UP 2.4' NO ID	696+29.18	50.00 RT
10286	747202.27332	765492.73978	FD TRIANGULAR WOOD POST UP 1.8' NO ID	696+90.88	50.00 LT
10290	746573.53602	764663.44252	FD TRIANGULAR WOOD POST UP 2.0' NO ID	686+56.49	50.00 RT
10295	744692.64092	761421.95842	FD TRIANGULAR WOOD POST UP 2.5' NO ID	649+10.16	50.00 LT
10296	744607.64316	761474.64084	FD TRIANGULAR WOOD POST UP 2.1' NO ID	649+10.40	50.00 RT
10299	743951.99687	760220.58725	FD TRIANGULAR WOOD POST UP 1.7' NO ID	635+00.69	50.00 LT
10300	743835.01747	760221.39345	FD TRIANGULAR WOOD POST UP 2.0' NO ID	634+39.99	50.00 RT
10303	742829.53914	758399.89033	FD TRIANGULAR WOOD POST UP 2.0' NO ID	613+61.80	50.00 LT

EXISTING R/W MONUMENTATION S.R. 287 ALIGNMENT					
PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
3143	728861.89324	820547.50925	FD 3" BRASS CAP FLUSH STAMPED HANSON RLS 37512	432+52.29	49.80 RT
10913	728540.08314	820866.45820	FD 1/2" REBAR IN DIRT HOLE DN 0.1' NO ID	429+36.11	274.73 LT
10914	728548.80346	821865.82529	FD 1/2" REBAR IN DIRT HOLE DN 0.5' NO ID	419+36.70	274.58 LT
10919	728729.65968	822597.18833	FD 3" ADOT BRASS CAP FLUSH	412+03.82	100.00 LT
10924	728899.72483	822604.06034	FD 3" ADOT BRASS CAP FLUSH	411+95.49	70.00 RT
10925	729104.63013	822605.67843	FD POST ROW	411+92.11	274.88 RT
10929	729096.82372	821785.54433	FD POST ROW	420+12.28	274.11 RT
20914	728547.89156	821864.99966	FD POST ROW	419+37.54	275.49 LT
20919	728729.29596	822598.86273	FD 1/2" REBAR FLUSH NO ID	412+02.15	100.38 LT

EXISTING R/W MONUMENTATION S.R. 387 ALIGNMENT					
PT.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
10311	735506.78857	785917.90351	FD 2 1/2" AZ HWY DEPT BRASS CAP UP 0.3' STAMPED 1969 1374.71	363+28.10	100.00 LT
10312	735373.69439	786067.18827	FD 2 1/2" AZ HWY DEPT BRASS CAP UP 0.3' STAMPED 1969 1373.47 NOTE ANGLE IRON ST 363+28.08	363+28.10	100.00 RT
10314	735149.47840	785856.35899	FD 2 1/2" AZ HWY DEPT BRASS CAP UP 0.3' STAMPED 1969 1375.70	360+28.10	100.00 RT
10319	734817.86292	784778.08055	FD 2 1/2" AZ HWY DEPT BRASS CAP UP 0.3' STAMPED 1969 1387.23 NOTE ANGLE IRON 2 WEST 349+00	349+00.00	100.00 RT
10320	734620.86419	784812.59869	FD 2 1/2" AZ HWY DEPT BRASS CAP UP 0.3' STAMPED 1969 1387.02 NOTE ANGLE IRON 2 WEST 349+00	349+00.00	100.00 RT
10321	734782.68266	784488.14058	FD 2 1/2" AZ HWY DEPT BRASS CAP UP 0.3' STAMPED 1969 1389.54 NOTE ANGLE IRON 2 WEST 346+00	346+00.00	100.00 LT
10322	734583.58296	784507.09598	FD 2 1/2" AZ HWY DEPT BRASS CAP UP 0.3' STAMPED 1969 1390.31 NOTE ANGLE IRON 2 WEST 346+00	346+00.00	100.00 RT
10325	734431.89401	782913.81776	FD 2 1/2" AZ HWY DEPT BRASS CAP UP 0.3' STAMPED 1969 1408.11 NOTE ANGLE IRON 2 WEST 330+00	329+99.52	100.00 RT
10326	734630.99616	782894.88803	FD 2 1/2" AZ HWY DEPT BRASS CAP UP 0.3' STAMPED 1969 1408.66 NOTE ANGLE IRON 2 WEST 330+00	329+99.55	100.00 LT
10341	734082.98346	777138.78862	FD 2 1/2" AZ HWY DEPT BRASS CAP UP 0.3' STAMPED 1969 1506.60 NOTE ANGLE IRON 2 WEST 272+10.27	272+17.42	100.00 LT
10342	733883.88376	777157.74402	FD 2 1/2" AZ HWY DEPT BRASS CAP UP 0.3' STAMPED 1969 1508.24 NOTE ANGLE IRON 2 WEST 272+10.27	272+17.42	100.00 RT

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-11-T-489	<b>Picacho-Coolidge-Chandler-Mesa</b> FEDERAL AID NO. <b>087-A (202) A</b> PROJECT NO. <b>087 PN 135 H7896 01R</b>
				SURVEY	
				DRAWN/DATE	
				ADOT REVIEW	
					 ROUTE NO. <b>S.R. 87</b> LOCATION: <b>Jct. SR 287-Gila River</b>

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