

# THIS SURVEY

- \* HAS BEEN PREPARED FOR A PROJECT FOR WHICH R / W PLANS ARE UNDER DEVELOPMENT
- \* HAS BEEN REVIEWED AND ACCEPTED BY THE R / W PLANS SECTION
- \* REPRESENTS A FIELD SURVEY OF THE AREAS SHOWN
- \* IS SUBJECT TO UPDATES PENDING COMPLETION OF THE R / W PLANS PROJECT

TRACS NUMBER: 070 GH 280 H7198 01R

FEDERAL I.D. NUMBER: Unassigned

SECTION NAME: Salt Creek Culvert Repair

Dwg no. D-05-T-239

# RESULTS OF SURVEY

SAN CARLOS

UNSURVEYED

AREA

RESERVATION

T. 2 S. R. 20 E.  
GRAHAM CO.  
UNSURVEYED

SHEET RS-2  
MATCH LINE

Exist R/W &  
CURVE DATA  
PI 1260+69.72 ← [205]  
Δ=19°59'50" RT  
D=00°30'00"  
T=2020.27  
L=3999.44  
R=11459.16 ← [204]

Stationing is based upon R/W strip map A-5-T-127B  
at existing R/W centerline P.C. 1240+49.45

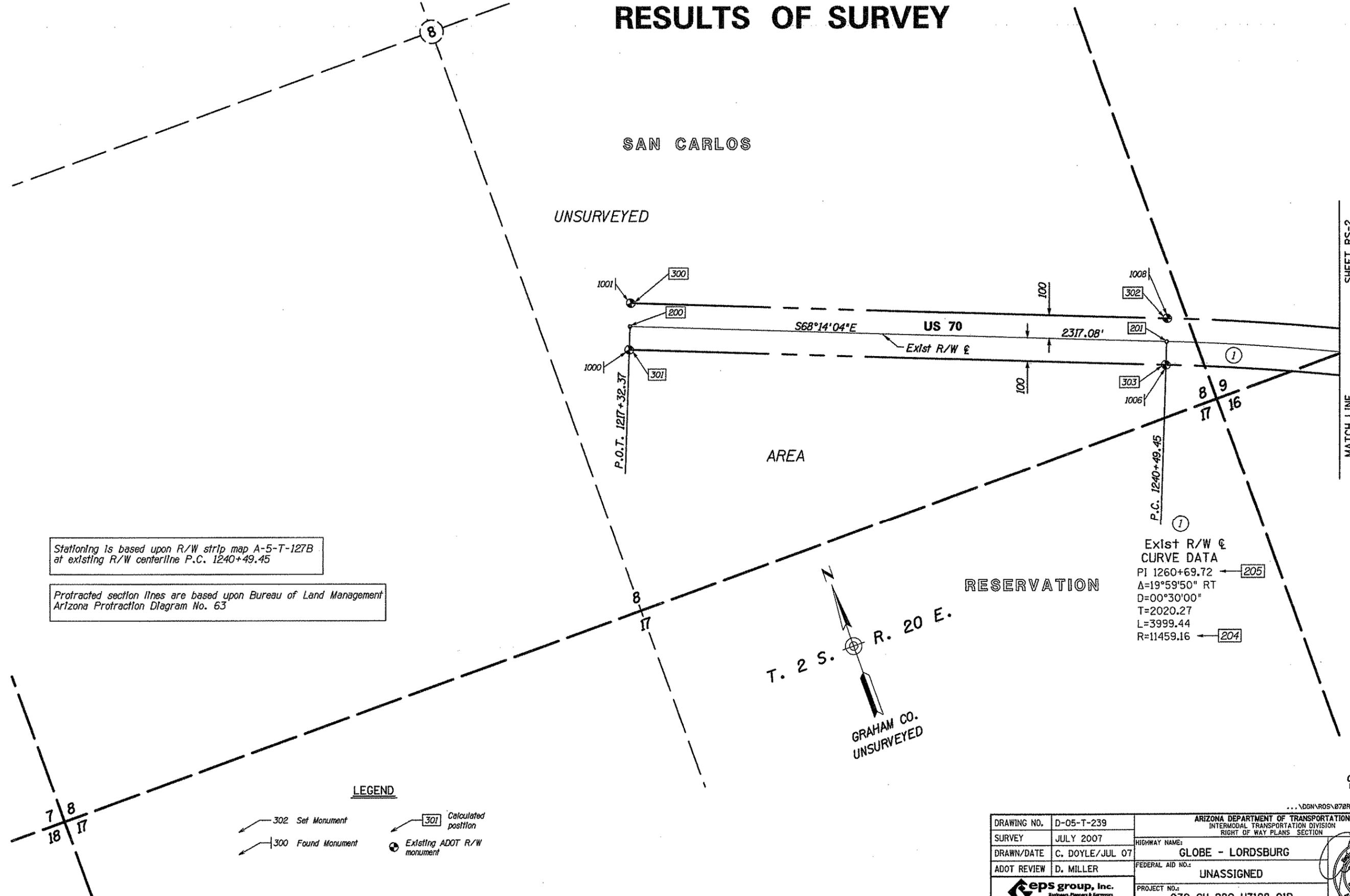
Protracted section lines are based upon Bureau of Land Management  
Arizona Protraction Diagram No. 63

**LEGEND**

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

0 100 200  
Scale

DRAWING NO.	D-05-T-239	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
SURVEY	JULY 2007	HIGHWAY NAME:	GLOBE - LORDSBURG
DRAWN/DATE	C. DOYLE/JUL 07	FEDERAL AID NO.:	UNASSIGNED
ADOT REVIEW	D. MILLER	PROJECT NO.:	070 GH 280 H7198 01R
ROUTE NO.:	U.S. 70	LOCATION:	SALT CREEK CULVERT REPAIR



# RESULTS OF SURVEY

UNSURVEYED

SAN CARLOS

AREA

RESERVATION

T. 2 S. R. 20 E.  
GRAHAM CO.  
UNSURVEYED

SHEET RS-1

MATCH LINE

Exist R/W &  
CURVE DATA

PI 1260+69.72  
Δ=19°59'50" RT  
D=00°30'00"  
T=2020.27  
L=3999.44  
R=11459.16

Stationing is based upon R/W strip map A-5-T-127B  
at existing R/W centerline P.C. 1240+49.45

Protracted section lines are based upon Bureau of Land Management  
Arizona Protraction Diagram No. 63

### LEGEND

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

0 100 200  
Scale

DRAWING NO.	D-05-T-239	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION RIGHT OF WAY PLANS SECTION	
SURVEY	JULY 2007	HIGHWAY NAME:	GLOBE - LORDSBURG
DRAWN/DATE	C. DOYLE/JUL 07	FEDERAL AID NO.:	UNASSIGNED
ADOT REVIEW	D. MILLER	PROJECT NO.:	070 GH 280 H7198 OIR
ROUTE NO.:	U.S. 70	LOCATION:	SALT CREEK CULVERT REPAIR



SHEET RS-2

# RESULTS OF SURVEY

PUBLIC INFORMATION USED							
ADOT RIGHT-OF-WAY PLANS AND AS-BUILTS							
SEC.	TWP.	RNG.	PROJECT No.	DRAWING No.	ADOT TRACS No.	DESCRIPTION	DATE
9, 8, 16	2S.	20E.	----	A-5-T-127B	-----	GLOBE - SAFFORD HWY	1950
9, 8, 16	2S.	20E.	F-15 (6)	-----	-----	AS BUILT PLANS	1955
9, 8, 16	2S.	20E.	F-15 (7)	-----	-----	AS BUILT PLANS	1956
9, 8, 16	2S.	20E.	F-15 (8)	-----	-----	AS BUILT PLANS	1956
GLO & BLM PLATS							
DESCRIPTION							DATE
BLM ARIZONA PROTRACTION DIAGRAM No. 63							1960

CALCULATED POINTS		
PT.	NORTHING	EASTING
200	825801.86895	654254.4584
201	824942.66777	656406.35399
202	822847.93330	659789.52695
203	822684.29042	659972.79066
204	814300.45157	652157.16794
205	824193.52981	658282.59291
300	825894.73978	654291.53954
301	825708.99813	654217.37728
302	825035.53860	656443.43513
303	824849.79695	656369.27286
304	822922.52412	659856.13182
305	822773.34247	659722.92208
306	822609.69960	659906.18579
307	822758.88125	660039.39554

**GENERAL NOTES**

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

B 438 NAD 83(1992) 33°16'31.96831"(N) 110°19'41.46397"(W)  
 GRID COORDINATES N 827,822.05170 E 650,637.25640  
 GROUND COORDINATES N 828,012.19410 E 650,786.70130

COTTON NAD 83(1992) 33°14'16.89098"(N) 110°15'07.43390"(W)  
 GRID COORDINATES N 814,142.78720 E 673,889.58900  
 GROUND COORDINATES N 814,329.78770 E 674,044.37470

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

SYSTEM: UNITED STATES STATE PLANE 1983  
 ZONE: ARIZONA EASTERN 0201  
 DATUM: NORTH AMERICAN 1983 (CONUS) EQUIVALENT TO WGS-84  
 GEOID MODEL: GEOID99 (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 1.00022969, DETERMINED FROM LOCAL NGS STATIONS, AND SCALE ORIGIN VALUES OF N=0.00, E=0.00, WERE USED FOR THE TRANSLATION TO THE SURFACE.

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

MONUMENT VERIFICATION AND ACCEPTANCE:

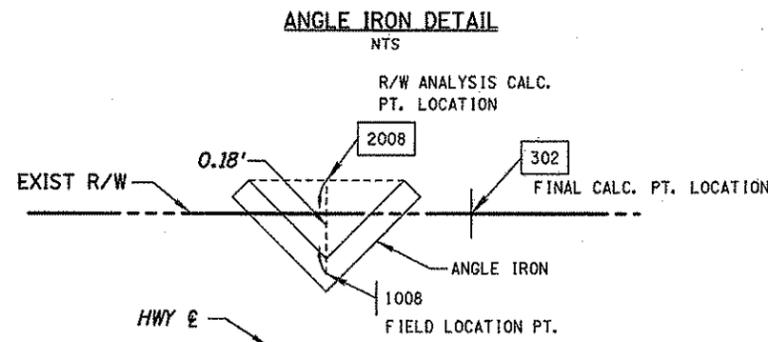
THE MONUMENTATION SHOWN ON THIS "RESULTS OF SURVEY" WAS BASED ON AN OBSERVATION AND EVALUATION OF PHYSICAL CORROBORATING EVIDENCE IN THE FIELD; AND A REVIEW AND ANALYSIS OF EXISTING DRAWINGS, PLATS, AND NOTES READILY AVAILABLE AT THE TIME THE SURVEY WAS PREPARED.

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.

EXISTING R/W MONUMENTATION									
FIELD LOCATION POINT NO.	NORTHING	EASTING	DESCRIPTION	R/W ANALYSIS CALC. POINT	NORTHING	EASTING	STATION	OFFSET	FINAL CALC. POINT OF R/W CONTROL
							STATION AND OFFSET ARE TO THE R/W ANALYSIS CALC. PT.		
1000	825708.83543	654217.37649	ADOT ANGLE IRON	2000	825708.66822	654217.30984	1217+32.43	100.33 RT	301
1001	825894.71088	654291.46397	ADOT ANGLE IRON	2001	825894.87809	654291.53062	1217+32.31	100.13 LT	300
1006	824849.85697	656369.35166	ADOT ANGLE IRON	2006	824849.68977	656369.28500	1240+49.51	100.10 RT	303
1008	825035.47858	656443.35633	ADOT ANGLE IRON	2008	825035.64578	656443.42299	1240+49.40	100.10 LT	302
1010	822773.42621	659723.22015	ADOT ANGLE IRON	2010	822773.29175	659723.10048	1280+49.06	99.92 RT	305
1012	822922.44038	659855.83375	ADOT ANGLE IRON	2012	822922.57484	659855.95342	1280+48.72	99.92 LT	304
1013	822759.08124	660039.57116	ADOT ANGLE IRON	2013	822759.21550	660039.69104	1282+94.58	100.45 LT	307
1014	822610.03791	659906.49082	ADOT ANGLE IRON	2014	822609.90365	659906.37094	1282+94.58	99.72 RT	306

UNLIKE THE MORE COMMON SITUATION WHEREBY ANGLE IRONS ARE CONSIDERED TO BE A WITNESS POST TO THE R/W CORNER LOCATION, THE ANGLE IRONS ON THIS PROJECT ARE BEING USED AS THE ACTUAL R/W CORNER MONUMENT DUE TO:

1. THE MEASURED RELATIVE POSITION OF THE ANGLE IRONS WITHIN THEMSELVES;
2. THAT THEIR RELATIVE POSITION COMPARES VERY CLOSELY TO THE RECORD R/W RELATIONSHIP; AND
3. THE VINTAGE OF THE ANGLE IRONS.



NOTE: DETAIL IS CONCEPTUAL ONLY. ACTUAL LOCAL 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)

EXISTING R/W LINE					
THE FOLLOWING LIST OF POINTS REPRESENTS THE EXISTING RIGHT OF WAY LINE AS DETERMINED BY AN ANALYSIS OF MONUMENTATION FOUND DURING THE COURSE OF THIS SURVEY AND THE EXISTING DOCUMENTATION LISTED HEREIN.					
LEFT SIDE			RIGHT SIDE		
PT.	STATION	OFFSET	PT.	STATION	OFFSET
300	1217+32.37	100.00 LT	301	1217+32.37	100.00 RT
302	1240+49.45	100.00 LT	303	1240+49.45	100.00 RT
204	Radius Pt.	---	204	Radius Pt.	---
304	1280+48.89	100.00 LT	305	1280+48.89	100.00 RT
307	1282+94.58	100.00 LT	306	1282+94.58	100.00 RT

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ROUTE No.:	U.S. 70	LOCATION:	SALT CREEK CULVERT REPAIR
			SHEET RS-3