E.E. Harris, 1946

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(1)

6/23/72 alba

AVONDALE (170)	Arizona	E.E. Harris, 1946
Third Order	Adjusted Elevations Based on Sem Level Datum of 1929	
Book: V 235	OR Sea Level Datum Dr 1727	
	.0 mi W. of, 250 ft NW. of angle	
tree; copper nail	hwest edge of rd., in crotch of pand washer	alo verde 1160.19
	STATION (USCAGS, 1936) " Long. 112°29'23.288" (CAGS V.	1214.309 alues)
Reference mark No.	1	1212.366
Reference mark No.	2	1213.639
Azimuth mark stampe	ed "POK 1936"	1191.251
Station, 235 ft S.	.0 mi W. thence 0.6 mi SW. of Pok of rd. leading E., 60 ft E. of r reek, 3 ft higher than surroundin	d., on south-
	lo verde tree; copper nail and wa	
of rd., north edge	.0 mi W. thence 1.1 mi S. from, o of dim diagonal rd. in base on s e of three powerline poles; rail	outheast
centerline of rd.	.0 mi W. thence 2.0 mi S. from, 3 and 25 ft S. of dim diagonal rd. poet; standard tablet stamped "22 1957)	running
Litchfield Park. 8	.O mi W. thence 2.6 mi S. from, 1	300 (c W.
of right angle ben N. of Perryville,	d in rd. from S. to W., 2.0 mi W. 140 ft SE. of forks of dim rd., i ng mesquite tree; rail spike	and 2.0 mi
leading E. and 50	W. thence 1.0 mi N. from, 67 ft ft W. of centerline of NS. rd., ce corner, in conc. post; standar 1045"	34 fc S.
Reference mark, 80 angle pole in powe	ft E. of tablet, in base on west crine; rail spike	side of 1045,38
	W. thence 0.5 ml N. from, 75 ft oft S. of a ditch, on northwest c chiseled square	

Perryville, 1.7 mt W. of, on north idee of rd., in center of conc. headwall of large culvert over Roosevelt Canal; chiseled square

	Third Order Adjusted Elevations Based on Sea Level Datum of 1929	
	Book: V 235	
(1) Perryville, 1.0 ml W. of, at right angle bend in Jack Rabbit Rd. from W. to S., 39 ft E. and 17 ft N. of centelline of X-rds., in west end of conc. headwall of culvert over canal; standard tablet stamped "24 H 1946 990" (New conc. headwall over canal)	990.172
		,,,,,,,,,
	Reference mark, 75 ft W. of tablet, on west end of conc. head- wall of culvert; chiseled square	988.99
	Perryville, 1.0 mi W. thence 1.0 mi S. from, 1.6 mi N. of Liberty RR. station, in northeast corner of X-rds., at a sub-station, on	
	conc. headwall of culvert; chiseled square	957.69
	Liberty RR. station, 0.6 mi N. of, in northeast corner of X-rds. on conc. headwall of culvert; chiseled square	917.17
	"Z 55 1934" About 24 mi W. along the Southern Pacific Co. RR. from the Union station in Phoenix, Maricopa County, about 250 yards E. of the station Liberty, 5 ft E. of milepost 882, 32 ft NW. of block signal 8820, 27 ft N. of the centerline of the track, and in line with a row of poles. A standard disk, stamped "Z 55 1934" and set in the top of a conc. post (273.444 meters or 897.124 ft)	897.414
	Note: Post has all the appearances of having been moved from original position, measurements now read 19 ft E. of centerline of paved rd., 31 ft N. of centerline of the track and 2 ft W. of milepost 882. The large closure error of 0.376 was not considered in the adjustment.	
	Liberty RR. Station, 0.7 mi S. of, on west edge of Jack Rabbit Rd. opposite ranch house, on north end of conc. headwall of cul- vert; chiseled square	881.34
	Liberty RR. Station, 1.3 mi S. of, 0.5 mi E. of Liberty School, in the northwest corner of intersection of U.S. Highway No. 80 and Jack Rabbit Rd., GLO standard cap on iron post, stamped "AP WC TR 49 TR 54 1931" (Not Found)	B79.74
	LANE TRIANGULATION STATION	880.044
	Reference mark No. 3	879.147
	Liberty School, 0.5 mi E. thence 2.2 mi S. from 0.5 mi S. of ford of Gila River, 26 ft N. and 73 ft W. of centerline of X-rds., and in line with fence to W., on conc. post; standard tablet stamped "25 H 1946 909"	908.869
	Reference mark, 275 ft S. of tablet, in base on east side of prominent mesquire tree, rail spike	910.62
	Page 3 of 4 6/23/72 #10	h H
	AVONDALE (170) Arizona E.E. Harris,	1946
	Third Order Adjusted Elevations Based on Sea Level Datum of 1929	
	Book: V 235	
(1)	General Land Office standard cap on from post, stamped "1/4 SECS B AND 17 1931", and surrounded with a conc. collar	902.05
	General Land Office standard map on iron post, stamped "T15 R2W SECS 7 8 17 AND 18 1923" and surrounded with a conc. collar (Destroyed, 1957)	866.728
	General Land Office standard cap on iron post, stamped "1/4 SECS 17 AND 18 1931"	901.59
	General Lend Office standard cap on iron post, stamped "TIS R2W SECS 17 18 19 AND 20 1931" and surrounded with a conc. collar	914.063
	General Land Office standard cap on iron post, stamped "1/4 SECS 19 AND 20 1931" (Not Found, 1956)	928.60

Arizona

AVONDALE (170)

19 AND 20 1931" (Not Found, 1956) 928.60 General Land Office standard cap on iron post, stamped "T15 R2W SECS 19 20 29 AND 30 1931" and surrounded with a conc. collar General Land Office standard cap on iron post, stamped "TIS RZW SECS 29 30 31 AND 32 1931" and surrounded with a conc. collar (Disturbed, 1956) 949.077 General Land Office standard cap on iron post, stamped "TIS RZW CC SECS 31 AND 32 1916" and surrounded with a conc. collar 958.933 General Land Office standard cap on iron post stamped "1/4 SECS 5 AND 6 1916" and surrounded with a cone. coller (Not Found) 975.06 General Land Office standard cap on iron post, stamped "T25 R2W SECS 5, 6, 7 AND 8 1916" and surrounded with a conc. collar 991.636 General Land Office standard cap on iron post, stamped "1/4 SEC5 7 AND 8 1916" General Land Office standard cap on iron post, stamped "T2S R2W SECS 7 8 17 AND 18 1916" and surrounded with a conc. collar 1026,426 General Land Office standard cap on from post, stamped "1/4 SECS



1048.43

1003.72

AVONDALE (170) E.E. Barris, 1946 Arisona Third Order Adjusted Elevations Based Book: ¥ 235a (2) FROM LITCHFIELD PARK, EAST ALONG PAVED ROAD TO MEST END THENCE SOUTH ALONG ROAD TO POINT 4.0 MILES SOUTH BY TOLLESON THENCE WEST TO AGUA FRIA SCHOOL THENCE SOUTHWEST TO INITIAL POINT OF SURVEY OF GILA AND SALT RIVER BASE AND MERIDIAN (by E.E. Harris. 1946: Book! V 235a) Litchfield Park, 1.0 mi E. of, 150 ft S. and 19 ft E. of centerlime of X-rds., in center of conc. headwall of culvert; stam-dard tables stamped "28 # 1946 1023" (Reset) 1023.60 Reference mark, 163 ft N. of tablet, in existing cone. block 1021 10 below surface with covered pipe surface opening; copper bolt Litchfield Park, 2.1 mi E. of, on south side of rd., 3 ft S. of fence, on northeast corner of conc. catch basin; chiseled square Litchfield Park, 2.8 mi E. of, in center of rd. in wash, in existing conc. block below surface with covered pipe surface opening; copper boit Litchfield Park, 3.0 mi E. of, in existing conc. block below surface, with covered pipe surface opening; copper bolt 1010.27 Litchfield Park, 3.5 mi E. of, 27 ft S. of centerline of rd. B ft N. and 80 ft E. of a T-angle in fence, in cone. headwall of culvert; USBR standard disk (not stamped) 1018-371. Litchfield Park, 4.0 mi E. of, in existing conc. block below 1021.79 surface, with covered pipe surface opening; copper bolt Litchfield Park, 4.0 mi E. of, in southwest corner of X-rds., in northeast corner of conc. catch basin; USBR (remains of) 1022.282 standard disk Litchfield Park, 5.0 mi E. of, in southwest corner of X-rds., in tenter of conc. headwall of culvert under rd. W.; chiseled square 1033.63 (Destroyed) Litchfield Park, 5-0 mi E. of, in conc. catch basin; US dard disk (remains of) (not stamped) (Destroyed, 1957) 1033-49 Litchfield Park, 6.0 mi E. of, elong paved rd., at West End, in southeast quadrant of X-rds., in top near southwest and of conc island of gasoline pumps in front of store; standard tablet stamped "29 H 1946 1049" 1049.474 Reference wark, 120 ft NW. of tablet, on conc. headwall of cul-1050.58 vert; chiseled square AVONDALE (170) Arizona E.E. Harris, 1946

Third Order Adjusted Elevations Based on Sea Level Datum of 1929 Books V 235m (2) Agua Fria School, 2.0 mi E. of, 23 ft S. and 20 ft E. of center-line of T-rd. W., in conc. headwall of culvert over canal; stan-dard tablet atamped "42 H 1946 960" 960.305 Reference mark, 40 ft W. of tablet, on conc. headwall of culvert; 960.13 Agua Fris School, 1.0 mi E. of, in northwest corner of X-rds., on conc. headwall of culvert; chiseled square 951.49 Agua Pris School, 165 ft N. and 31 ft W. of centerline of X-rde., in conc. retaining wall at the school drinking fountain, 4.3 f from the south end of wall; standard tablet stamped "41 H 1946 943" 942,997 Reference mark, 165 ft SE, of tablet, in base on SV of powerline

E.E. Harris, 1946

942.67

E.E. Herrie, 1946

Arizona

AVONDALE (170)

pole: rail apike

AVONDALE (170)

Third Order

Third Order Adjusted Elevations Based on Sea Level Datum of 1929 Book: V 235 (2) West End, 1.0 mi S. of, 2.0 mi N. of Tolleson, in southwest corner of X-rds., on east end of conc. headwall of culvert under rd. S.: chineled square 1039,36 Tollwson, 1.0 mi N. of, 11 ft S. and 35 ft E. of centerline of X-rds., in center of conc. parapet wall of culvert over canal; standard tablet stamped "30 H 1946 1028" 1028-368 Reference mark, 40 ft NW. of tablet, on conc. headwall of gul-vert; chizeled square 1026.34 Tolleson, in southwest corner of X-rds., on southeast corner of conc. headwall of culvert; chiseled square 1015.90 Tolleson, 0.8 mi S. of, 22 ft W. of centerline of td., and 14 ft E. of fence, in mortheast corner of conc. catch basing USGS alumnum tablet (not stamped) stamped by this party "31 H 1946 1006" 1005.708 Tolleson, 1.0 mi S. of, 2.5 mi E. of Cashion, in southwest corner of intersection with U.S. Highway No. 80, on east end of conc. headwall of catch basin; chiseled cross 1001.98 Tolleson, 1.3 mt S. of, 24 ft W. of centerline of rd., and E. of fence, in mortheast corner of conc. catch basin; USBR standard disk (not stamped) 999,234 Tolleson, 1.5 mi S. of, 25 ft W. of centerline of rd., and 10 ft E. of fence, in northeast corner of conc. catch basin; USCS aluminum tablet (not stamped) stamped by this party "32 H 1946 997" 997.128 Tolleson, 2.0 mi S. of, in southwest corner of X-rds., in center of conc. headwall of culvert; chimeled square 992.35 Tolleson, 3.0 mi S, of, at log in N.-S. rd., 29 ft S. and 22 ft E. of centerline of T-rd. S., 7 ft S. and 3.5 ft W. of fence corner, in top of conc. post; standard tablet stamped "13 H 1946 982" (Destroyed, 1957) Reference mark, 225 ft W. of tablet, in northeast corner of T-rd. N., on conc. headwall of culvert; chiseled square Tolleson, 4.0 mi S. of, about 3.0 mi E. of Agua Fria School, 275 ft S. of house, on east edge of rd., in center of conc. headwall of culvert; chiseled square 971.19

on Sea Level Datum of 1929 Book: V 234b Latitude 33"15' Longitude 112"15' (3) FROM INITIAL POINT OF SURVEY OF GILA AND SALT RIVER BASE AND MERIDIAN SOUTHWEST ALONG DIM ROADS TO T. 1 S., R. 1 S., SECS. 19, ZO, 29 AND 30, THENCE SOUTH 2 MILES, THENCE EAST AND SOUTHEAST BY ROAD AND ACROSS COUNTRY TO 1/4 CORNER SECS. 10 AND 11 T. 2 S., R. 1 W., THENCE SOUTH INTO HEATON NO. 3 QUADRANGLE (by E.E. Harris, 1946; Book: V 234b) Agus Fria School, 0.5 m; S. thence 1.9 m; SW. from, 750 ft E. of a corral, 30 ft N, of rd., in stump of palo verde tree; copper neil and washer 926.30 Agua Pris School, 0.5 mi S. thence 2.9 mi SW. from, in forks of a dim Y-rd., 60 ft from the intersection and midway of each rd., in conc. post; standard tablet stamped "40 H 1946 982" Agus Fris School, 0.5 mi S. thence 3.5 mi St. from, 1400 ft NE. of a gate across rd., on east edge of rd., on rock outcrop; 1041.22 T. 15., R. 1 W., near 1/4 corner secs. 10 and 15, about 0.8 mi SW. of a gate and 1.0 mi NE. of divide, 60 ft NE. of point where rd. drops off into creek bottom, on east edge of rd. on boulder; chiseled aquare 1152,13 T. 1 S., R. 1 W., SE. 1/4 sec. 16, 8 ft SE. of centerline of rd. in low divide, in boulder 1 ft higher than the aurrounding ground: standard tablet stamped "39 H 1946 1256" Reference mark, 52 ft W. of tablet, on boulder; chiceled square 1254.09 T. 1 S., R. 1 W., center sec. 20, 100 ft E. of wash X-ing rd. on south edge of rd., in pale verde stump; copper nail and 1176.75 eral Land Office standard cap on iron post, stamped "TIS SECS. 19 20 29 AND 30 1913 surrounded with a conc. collar 1149.630 General Land Office standard cap on iron post, stamped "1/4 SECS 29 AND 30 1913" 1159.96 Ceneral Land Office standard cap on iron post, stamped "TIS RIW SECS 29 30 31 AND 32 1913" and surrounded with a conc. 1161.943 General Land Office standard cap on iron post, stamped "1/4 CORNER SECS 31 AND 32 1159.78

Artzona

Adjusted Elevations Bases

E.E. Harris, 1946 AVONDALE (170) Arizona Adjusted Elevations Based on Sea Level Datum of 1929 Book: V 234b (3) General Land Office standard cap on iron post, stamped "TIS RIW SECS 31 AND 32 T2S RIW SECS 5 AND 6 1913" and surrounded 1169.828 with a conc. collar General Land Office standard cap on iron post, stamped "1/4 1187.95 SECS 5 AND 32 1913 General Land Office standard cap on iron post, stamped "TIS RIW SECS 32 AND 33, T2S RIW SECS 4 AND 5 1913" and surrounded 1219.636 with a conc. collar General Land Office standard cap on iron post stamped "T2S RIW SECS 3 4 9 and 10 1916" and surrounded with a cond. collar 1257.503 General Land Office standard cap on iron post, stamped $^{\circ}1/4$ SECS 3 AND 10 1916" 1290.24 General Land Office standard cap on iron post, stamped "1/4 1324.869 SECS 10 AND 11 1916" T. 2 S., R. 1 W., near southeast corner sec. 10, 53 ft N. and 13 ft W. of centerline of T-rd. W., 33 ft N. and 3 ft E. of fence corner, in conc. post; standard tablet stamped "26 H 1946 1305" 1305.537 3

Latitude 33°15'41.308" Longitude 112°20'23.894'

AVONDALE (170)

(not stamped)

Adjusted Elevations Based Third Order on Sea Level Datum of 1929 Book: V 234 Bull. 573 Latitude 33"15' Longitude 112"15' (4) FROM POINT 3.0 MILES EAST OF LITCHFIELD PARK SOUTH ALONG ROAD TO U.S. HIGHWAY NO. 80 THENCE WEST ALONG HIGHWAY 2.6 MILES (by E.E. Harris, 1946; Book: V 234c & Bull. 573) Litchfield Park, 3.0 mi E. thence 1.0 mi S. from, 0.5 mi W. of Cashion thence 3.0 mi N., in southwest corner of X-rds., in conceatch basin, USBN standard disk (remains of) (not stamped) 1009.354 T. 1 N., R. 1 W., in northwest corner sec. 6, east side of rd., 7 ft from fence (5.) corner; iron post stamped "1000 PHNX" (Bull. 573 page 53) 999,221 Reference mark, 57 ft W. of tablet, on conc. headwall of culvert; USBR standard disk (remains of) Cashion, 0.5 mi W. thence 1.5 mi N. from, on west edge of rd., in northeast corner of conc. catch besin; USBR standard disk

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E.E. Harris, 1946

996.173

996.24

991.215

986.096

986.68

969.58

970.376

Cashion, 0.5 mi W. thence 1.0 mi B. from, in southwest corner of X-rds., on east conc. headwall of culvert; circle inside upper part of the letter "P" cut in headwall

Cashion, O.5 mi W. thence O.5 mi N. from, on west edge of rd., in northeast corner of conc. catch basin; USBR standard disk (ramains of) (not stamped)

Cashion, 0.5 mi W. of, at Fowling Point Siding, 10 ft N. and 24 ft W. of intersection with U.S. Highway No. 80, in center of conc. headwall of culvert; standard tablet stamped "27 H 1946 986"

Reference mark, 80 ft NE. of tablet, on conc. beedwall of culvert; chiseled square

Cashion, 1.5 mi W. of, on south edge of U.S. Highway No. 80, 80 ft E. of T-rd. S., on conc. headwall of culvert; chiseled

Cashion, 1.9 mi W. of, in the northeast corner of conc. hwy-bridge over Agua Fria River; Arizona State Highway Department standard disk (not stamped)

Cashion, 2.1 mi W. of, in the morthwest corner of conc. hwy-bridge over Agua Fria River; Arizona State Highwav Department standard disk (not stamped)

AVONDALE (170) Third Order

Arizona

E.E. Harria, 1946

Books V 234c

Adjusted Elevations Based on Sea Level Datum of 1929

Bull. 573

(4) Cashiom, 2.5 mi W. of, on northwest edgs of U.S. Righway No. 80, in conc. headwall of culvert; Arizona State Righway Department standard disk stamped "959.64 1936 867 00" (Destroyed, 1957)

Cashion, 2.6 mi W. of, on northwest edge of U.S. Highway No. 80, 250 ft SW. of a service station, in cont. headwall of culvert; Arizona State Highway department standard disk stamped "961.42 1936 861 00" (Destroyed, 1957)

960,633

958.831

Cashion, 2.9 mt WSW, of, on north edge of U.S. Highway No. 80, in conc. headwall of culvert; Arizona State Highway Department standard disk stamped "970.69 1936 848 00"

969.883

Cashion, 3.0 mi WSW. of, on north edge of U.S. Highway No. 80, in conc. headwall of culvert; Arizona State Highway Department standard disk stamped "971.42 1936 840 00" (Destroyed, 1957)

970.624

AVONDALE (170)

Arizona

E.E. Harris, 1946

Third Order

Adjusted Elevations Based on See Level Datum of 1929

Book: V 234c

Latitude 33°15' Longitude 112°15'

(5) FROM POINT 4.0 MILES SOUTH OF TOLLESON SOUTH ALONG ROAD TO NEAR NORTHWEST CORNER SECTION 21, T. 1 S., R. 1 E. (Double run spur line by E.E. Harris, 1946; Book: V 234c)

Sait River, at ford, surface of water March 7, 1946

Tolleson, S.O mi S. of, in southeast part of sec. 33, T. 1 N., R. 1 E., 25 ft N. and 50 ft W. of centerline of T-rd. N., at base line, 2 ft E. of fence corner, in conc. post; standard tablet stamped "34 H 1946 966" (Destroyed, 1957)

Reference mark, 160 ft N. of tablet, on drain pipe; chiseled

948.62

966.021

Tollegon, 6.2 mi S. of, near northeast corner sec. 9, T. 1 S., R. 1 E., on west edge at south end of graded rd., south bank of ditch, in root on east side of 24-inch cottonwood tree;

Tolleasn, 7.1 mi 5. of, near southeast corner sec. 9, T. 1 5., R. 1 E., 33 ft 5. and 26 ft W. of centerline of X-rds., in conc. post; standard tablet stamped "35 H 1946 968"

968.067

Tolleson, 7.8 mi S. of, near center sec. 16, T. 1 5., R. 1 E., 90 ft N. of forks of dim rd. to SW., in base on east side of prominent mesquite tree; rail spike

965.57

Tolleson, 8.8 mi S. of, near northwest corner sec. 21, T. 1 S., R. 1 Z., 10 ft 3. and 13 ft W. of forks of dim trail leading to Selt River, in cone. post; standard tablet stamped "36 H 1946

961.861

AVONDALE (170)

Arizona

E.E. Harris, 1946

Third Order Book: V 234a

Adjusted Elevations Bas on Sea Level Datum of 1929

Latitude 33°15' Longitude 112°15'

(6) FROM POINT ON U.S. HICHWAY NO. 80 1 MILE SOUTH OF TOLLESON AND 2.5 MILES EAST OF CASHION VEST ALONG HIGHWAY 1 MILE THENCE SOUTH 0.5 MILE (Double run spur line by E.E. Harris, 1946; Book: V 234s)

Cashion, 1.5 mi E. of, in southwest corner of X-rds., in seuth-east corner of cone. catch basin; USGS aluminum tablet (not stamped) stamped by this party "37 H 1946 994"

993.672

Cashion, 1.5 mi E. thence 0.75 mi S. from, on west edge of rd., in northeast corner of conc. catch basin; USGS aluminum tablet (not stamped) stamped by this party "38 H 1945 990"

990.182

Cashion, 1.3 mi E. thence 0.5 mi 5. from, on weat edge of rd., in northeast carner of conc. catch basin; USGS aluminum tablet (not stamped) stamped by this party "43 H 1946 987"

986.6891



FILE GOPY

BENCH MARK DESCRIPTIONS, FIELD SUMMARY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
9-1128 State Ву Altitude by Bk.—Page Miles Adj. Date Field Book AVONDALE (170) D.O. Richardson, 1973 Arizona Third Order Field Elevations Book: PV 874 Latitude 33°15' Longitude 112°15' (7) FROM A POINT NEAR THE SOUTHEAST CORNER OF SECTION 10 TOWNSHIP 2 SOUTH RANGE 1 WEST SOUTH INTO THE NORTH EDGE OF MOBILE QUADRANGLE (147) b/2 0,00 EM "H 26 1946" TRIANGULATION STATION (USGS): Near southeast corner of section 10, T2S, R1W; in a conc. post; standard tablet stamped "26 H 1946 1305" (Described in USGS Line 3) 1305.537 Latitude 33°15'41.308" Longitude 112°20'23.894" 1.01 Liberty School, 0.5 mi E. of, along State Highway 80 to Jackrabbit Rd., thence 2.0 mi S. to Elliot Rd., thence 0.5 mi E. to Rainbow Valley Rd., thence 6.7 mi S., SE. and S. to Queen Creek Rd., (located just N. of Waterman Wash) thence 1.0 mi E. to a rd. S., thence 1.0 mi S. to a rd. E., thence 2.5 mi E. to a gate, thence 2.5 mi E. to a dim rd. N.; 75 ft N. of the rd., 50 ft N. of a dry wash, 23 ft W. of the dim rd.; set on a copper-coated rod enclosed by a fiber pipe; a standard tablet stamped "1 DOR 1973 1260" 1260.426 2/13/73 bland 10