Book: PH 439

Latitude 33°15' Longitude 112°00'

FROM INTERSECTION OF THOMAS ROAD AND 91ST AVENUE, GLENDALE, ARIZONA, TO FIELD ROAD AT SOUTH SIDE OF BLACKTOP HIGHWAY

Note: Line continues from Avondale quadrangle (170).

		(Y)	(x)
3	25+a. Center of intersection of Thomas Road and 83rd Avenue	902,214.67	402,314.22
,1	29 = "T T 3 EEM 1956" - Glendale P.O., 4.1 mi. S. of along 59th Ave., thence 1.9 mi. W. along Thomas Road, 27 ft. N. of center of Thomas Road, 48 ft. W. of center of 75th Ave., on SE. corner of concrete irrigation structure; standard tablet stamped "T T 3 EEM 1956"	902,359.88	407,494.50
9	33+a. Center of intersection of Thomas Road and 67th Avenue	902,372.47	412,841.81
F	38 = "T T 4 EEM 1956" - Glendale, 4.1 mi. S. of, along 59th Ave., 25 ft. W. of center of 59th Ave., 41 ft. S. of center of Thomas Road, on SE. corner of concrete structure; standard tablet stamped "T T 4 EEM 1956"		417,956.94/
٥	42a. Center of intersection of 59th Avenue and Indian School Rd.	907,713.67	.417,979.03
ļ	43. Center of field rd. at S. side of blacktop highway = P.P.M. 134-19A	907,682.54	419,358.74

LINE ENTERS NEW RIVER NO. 4 QUADRANGLE (192)

NAD 83 VALUES AVAILABLE

Station: TELEGRAPH PASS

County: Maricopa

1 E 112 00 State: Ariz. /67

Observer: A. H. Thompson

Year: 1899 Datum: 1927 N.A.D. (Revised 1953)

Description: U.S.C.&G.S.

1935

-Lew 33 112 20 -1025

Original description in 21st Annual Report, page 346.

NOTE: In 1935, the U.S.C.&G.S. occupied this station. Following is the U.S.C.&G.S. description from Special Publication 224, page 116:

"On the highest point of the range of hills, about 10 mi. airline, S. of Phoenix, and 1/2 mi. S of Telegraph Pass. The U.S. Geological Survey mark was found out of place and the Coast and Geodetic Survey mark was set in the same position as the original mark had occupied. Marked by a standard bronze disk. Reference mark No. 1, a standard bronze reference disk is 23.742 meters (77.89 ft.) from station in azimuth 203°13'. Reference mark No. 2,2 standard bronze reference disk is 16.521 meters (54.20 ft.) from station in azimuth 348°15'.

Plane coordinates: (C) X=455,438.27 ft. Y=848,897.23 ft.

FILE COPY

NAD 83 VALUES AVAILABLE

	•	*					0	,	<i>u</i>		
* [Latitude	33 20	00.852		*	Lor	gitude	112	03 4	5.248]	
To Station-		Azímuth			Back	Azimuth				Dista	nce
	٥	,	n	0	,		"		og. Meter	s	x x titex Feet
Camels Back	205	11 04.8		25	5 14	26.4	-				72,839.27
Superstition Pt.	261	53 29.2		82	2 15	21.2					204,220.27
											3/23 / 53 cg
* = Values by U. S.	Coast	and Geod	etic Su	rvey.	/						

stion: CRUZ

escription:

County: Maricopa

State: Ariz. (169)

bserver: B.B. latham

(C&GS)

Year: 1935

Datum:

1927 N.A

Described in C&GS Special Publications 224, page 116 as follows:

About 17 mi. SW of Phoenix on highest part of a flat gravel ridge west of Gila River. There are washes on south, west, and east sides of ridge. Marked by a standard bronze disk as described in note 5. Ref. mark No. 1, a standard bronze ref. disk, note 12a, is 10.120 meters (33.20 ft.) from station in azimuth 245°36'. Ref. mark No. 2, a standard bronze ref. disk, note 12a, is 11.389 meters (37.37 ft.) from station in azimuth 312°45'.. The azimuth mark (ref. mark No. 3), a standard bronze disk, note 12a, is in azimuth 272°07'50" from the station.

NAD 83 VALUES AVAILABLE

•		· ·	* \ *
[Latitude	33 17 38.912	Longitude 112	13 48.524
To Station—	Azimuth	Back Azimuth	Distance Feet
Initial Monument	142 43 45.15	322 41 16.19	Log. Meters 120633693 37962.4
Salt	246 58 45.08	67 02 14.78	4.0305567 35199.9
St. Johns	330 19 25.90	150 20 34.13	3.8131112 21 335.1
FILE COPY	Cashion S.	E	7-30-54 am

STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)
J-15	T. 1 S., R. 3 E., near SW. corr To reach from intersection of a and Baseline Road, go W. along 5.55 mi to 51st Avenue (Latera- top rd. for 6.0 mi to crossroad turn left and go E. on graded curve in rd. and station site. NNE. of G.L.O. section corner; center of white panel; in top co.8 ft above ground; Corps of i "TT J-15 1948"	Baseline Road for 1 17); go S. on black ds at St. Johns Mission; dirt rd. for 4.1 mi to
J-15 Panel AMS	X = 444,590.73 Y = 833,318. 33 77 26.540 11 White cross-target panel center Same position as station mark	1153.43 12 5 52.796 red over station mark.
Q-15	T. 2 S., R. 3 E., near SE. corr To reach from intersection of E Drive (South 56th Street), go S at Williams Field Road, turn rito rd. S., turn left and go S. E. and station site. Station is centerline of NS. rd.; 16 ft gate; 17 ft NE. of electric pum pole; 2.5 ft SW. of fence corne post flush with ground; Corps of TT Q-15 1948 RESET AMS 1953" (Baseline Road and Highline S. on 56th Street to end Light and go W. for 2.0 mi for 1.0 mi to curve to
	X = 475,562.48 $Y = 833,321$.68 1168.5
PP Q-15	The NW. end of ditch, at center	line
AMS	x = 475,488.44 $y = 833,282.$	93 1168.0
s-15	T. 1 S., R. 4 E., near SE. corr To reach from intersection of E Drive (South 56th Street), driv Williams Field Road, turn left (Maricopa Highway); turn right start of curve in hwy. and stat located 28 ft W. of centerline 5.6 ft W. of centerline of ditc post set 1.0 ft below surface of disk stamped "TT S-15 1960 ARMY visited by USGS in 1965)	aseline Road and Highline re S. for 5.0 ml to for 0.1 mi to T-rd. S. and go S. for 1.0 mi to ion site. Station mark is of hww: 25 ft N. of ditch:
	x = 485,979.98 $y = 833,308$.	53 1153.45
PP S-15	Intersecting centerline of NS	. hwy. and EW. ditch
AMS	X = 486,007.56 $Y = 833,284$.	27 1154.1
X-15	T. 1 S., R. 5 E., near SE. corn Located at intersection of Pecos 20 ft N. of centerline of Pecos centerline of Dobson Road; 11 ftW. ditch; 3 ft SW. of teleph concrete post flush with ground intersection; Corps of Engineer "TT X-15 1948" (Not visited by	ser of sec. 31. ss Road and Dobson Road; Road; 21 ft W. of t S. of centerline of one pole; in top of and level with s disk stamped USGS in 1965)
	X = 512,543.60 $Y = 833,522$.	78 1196.0
PP X-15 AMS	On W. side of NS. rd., center headwall of culvert.	line of EW. ditch at
	X = 512,545.21 $Y = 833,533$.	29 1195.4
	. TIER 16	
s-16	T. 2 S., R. 4 E., near SE. corn To reach from junction of Maric Field Road, drive S. on hwy. fo of EW. track rd., turn left a for 0.25 mi to intersection of E. for 0.1 mi to track rd. inte Station mark is 7 ft E. of cent 8.5 ft N. of centerline of EW. concrete post projecting 0.3 ft Engineers disk stamped "TT S-16 USGS in 1965) X = 485,752.28 Y = 828,628.	r 2.1 mi to intersection nd go ENE. on track rd. NESw. track rd., continue resection and station site. erline of NS. track rd.; track rd.; in top of above ground; Corps of 1948" (Not visited by
DD C 16		
PP S-16 AMS	Intersecting centerlines of trac $x = 485,746.93$ $Y = 828,619.5$	
T-16	T. 2 S., R. 3 E., near NE. corne To reach from intersection of Cl Arizona Avenue in Chandler, driv (which becomes Williams Field Reintersection of Kyrene Road, tu 1.0 mi, thence jog E. for 0.05 mi to station site. Station is rd., in center of permanent pane post projecting 0.6 ft; Corps of "TT T-16 1948" (Not visited by Y 101 206 62 Y 827 810 6	ve W. on Cleveland Street pad) for 6.0 mi to rn left and go S. for mi, continue S. for 1.0 located 59 ft W. of NS. el; in top of concrete Engineers disk stamped USGS in 1965)
	X = 491,396.62 $Y = 827,819.9$	58 1158.1

	LARRAGE AGE C	7
STATION	DESCRIPTION . ELEVATION . PLANE COORDINATES . (Feet)	
T-16 Panel AMS	Centered over station mark, black and white cross-target panel. Same position as station mark 1157.5	
w-16	T. 2 S., R. 5 E., near NW. corner of sec. 7 To reach from intersection of Arizona Avenue (State Highway 87) and Germann Road S. of Chandler, drive W on Germann Road for 3.0 mi to junction with Price Road and station site. Station mark is located in SE. corner of intersection; 66 ft E. of centerline of Price Road; 37 ft S. of centerline of Germann Road; in top of concrete post; Corps of Engineers disk stamped "TT W-16 1948 RESET AMS 1953" (Not visited by USGS in 1965)	
	X = 507,360.25 $Y = 827,858.68$ 1182.33	
PP W-16 AMS	On W. side of Price Road; centerline of EW. ditch at culvert headwall. $\label{eq:continuous}$	
	x = 507,269.41 $y = 827,858.76$ 1181.5	
x- 16	T. 2 S., R. 5 E., near SW. corner of sec. 5. To reach from intersection of Artzona Avenue (State Highway 87) and Germann Road S. of Chandler, drive W. of Germann Road for 2.0 mi to Dobson Road and station site Station mark is located NE. of intersection; 37 ft N. centerline of Germann Road; 26 ft E. of centerline of Dobson Road; cemented in top of concrete headwall, 0.6 ft higher than intersection; Corps of Engineers dis stamped "TT X-16 1946" (Not visited by USGS in 1965)	n f k
	X = 512,606.81 $Y = 828,012.02$ 1194.35	
PP X-16 AMS	Intersecting centerline of NS. ditch and ditch W.	
	X = 512,547.09 Y = 828,099.92 1192.5	
	TIER 17	
.r -1 7	T. 2 S., R. 2 E., approximately 0.1 mi S. of NE. corner of sec. 15: To reach from Laveen, drive S. on black to rd. for 6.35 mi to rd. forks, take left fork and go SE for 2.4 mi to powerline crossing, turn sharp left and go NW. on powerline rd. for 0.6 mi to cross trail and station site. Station mark is located 26 ft SW. of intersection; 16 ft S. of centerline of NWSE. trail; in top of concrete post projecting 0.2 ft; Corps of Engineers disk stamped "TT G-17 1962 ARMY MAP SERVICE"	p
	X = 433,942.21	
G-17 Panel USGS	Centered over station mark, 12- by 12-foot square white panel. Position same as station mark .1070.8	!
J-17	T. 2 S., R. 3 E., near SW. corner of sec. 7. To reach from crossroads at St. Johns Mission, drive E. on graded ri. for 1.0 mi to powerline crossing, turn right and go SE. on powerline rd. for 0.65 mi to trail crossing, turn left and go SE. on SW. side of fence for 0.75 mi to fence corner, turn left and follow fence NE for 0.35 mi to fence corner, turn right and go SE. on SW. side of fence for 2.15 mi to small grove of trees a station site on left. Station mark is located 105 ft Nof fence; 213 ft NE. of rd.; in geometric center of bla panel; in top of concrete post projecting 0.4 ft; Corp of Engineers disk stamped "TT J-17 1948" (Not visited by USGS in 1965)	in
J-17 Panel AMS	x = 444,606.01	
L-17	T. 2 S., R. 3 E., near NE. corner of sec. 17. To reach from main crossroads near St. Johns Mission, drive E. on graded section line rd. for 1.9 mi to powerline crossing, turn right and go SE. on powerline rd. for 4.0 mi to cross road, turn left and go E. on trail for 0.7 mi to station site. Station is located 42 ft S. of trail and is at center of black asphalt panel; in top of concrete post projecting 0.1 it; Corps of Engineers disk stamped "TT L-17 1948" (Not visited by USGS in 1965)	
	x = 454.784.16 $y = 822.858.51$ 1097.4	

1097.3

Position same as station mark

STATION

R-17

DESCRIPTION PLANE COORDINATES

T. 2 S., R. 4 E., near NE. corner of sec. 18.
To reach from the intersection of Maricopa Highway and Williams Field Road, drive S. on Maricopa Highway for 2.1 mi to E.-W. cross trails, turn right and go 0.55 mi to telephone line, turn left and go S. along telephone line rd. for 0.55 mi to telephone pole No. 475. Station mark is about 350 ft W. of telephone line; in top of concrete post projecting 0.5 ft; Corps of Engineers disk stamped "BM R-17 1948".

ELEVATION (feet)

STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)
M-17	T. 2 S., R. 3 E., about 0.3 sec. 15. Station is located Butte Ranch and about 1.0 mi Station mark is in box-shape centerline of EW. rd.; in projecting 0.6 ft; Corps of TT M-17 1948"	mi S. of NW. corner of about 1.7 mi N. of Lone WSW. of Lone Butte; d clearing; 9 ft S. of top of concrete post Engineers disk stamped
M-17 Panel USGS	X = 460,252.55 Y = 821,69 33° 15' 31.784" Centered over station mark, paper panel. Position same as station mar	97.30 5-102 2'48.]][" 5-100 black tar-
N-17 JACKS ON	T. 2 S., R. 3 E., near NE. c: To reach from intersection of Cleveland Street in Chandler (which becomes Williams Field T-rd. S., turn left and go S. for 0.1 mi, then continue S. turn right and go SW. on mair to S. and trail N., turn shal O.4 mi to base of butts. Pac station mark (about 15 minute hole, in bed rock outcropping Corps of Engineers disk stam "JACKSON 1935 RESET AMS 1948" in a slightly different posit 1935.)	orner of sec. 15. f Arizona Avenue and drive W. on Cleveland f Road) for 9.0 mi to for 1.0 mi, then jog E. for 1.35 mi to crossroads, a rd. for 2.35 mi to curve rp right and go N. on trail k to top of butte and pack). Cemented in drill god. 2.2 ft below surface; ted (This station was reset cion from USC&GS JACKSON
N-17 Panel AMS	X = 464,815.87 $Y = 822,8333 15' 43.086' Geometric center of white rooms of the same as$	
P-17	T. 2 S., R. 3 E., near SE. co To reach from intersection of Drive (South 56th Street), dr 5.0 mi to Williams Field Road 2.0 mi to T-rd. S., turn left jog E. for O.l mi, then conti intersection, turn right and leading S. between two large site. Station is located 8 of concrete post projecting O disk stamped "EM F-17 1948"	Primer of sec. 11. Baseline Road and Highline rive S. on 56th Street for the form of the
P-17 Panel USGS	X = 470,730.37 Y = 823,24 Position and elevation determ 33 15 47.233 Centered over station mark, panel. There are two 3- by 1 identification	7.35 1120.83 ined by USGS in 1965. 170 1965 1973 1965 1973 1975 White 2-foot wing panels for
P½ - 17 USGS	Position same as station mark Located about 0.5 mi E. of st wooden hub projecting 0.1 ft; square white panel centered o	ation P-17; 2- by 2-in. paneled with 9- by 9-foot
	No horizontal position	Hub elev. 1125.46 Panel elev. 1125.4
Q-17	T. 2 S., R. 3 E., near NE. co To reach from intersection of Drive (South 56th Street), dr	rner of sec. 13. Baseline Road and Highline ive S. on 56th Street for turn right and go W. for
	Drive (South 56th Street), dr 5.0 mi to Williams Field Road 2.0 mi to T-rd. S., turn left jog E. for 0.1 mi, then conti for 2.0 mi to station site.	and go S. for 1.0 mi, then nue S., following powerline Station is on W. side of

Same horizontal position as station mark 1144.3 East of S-17 USGS Located about 0.25 mi E. of station S-17; in open dry lake bed; station is marked by 3/8-in. reinforcing rod projecting 0.2 ft; paneled with 9- by 9-foot square white panel centered over station mark. No horizontal position Rod Elev. 1144.80 Panel Elev. 1144.6 T-17 X = 490,358.41Y = 823,253.731155.5 T-17 Panel USGS Same horizontal position as station mark 1155.1 J-17 for 2.0 mi to station site. Station is on W. side of powerline, just SW. of C.L.O. section corner pipe; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "TT Q-17 ARMY MAP SERVICE" X = 476,018.23Y = 822,964.56Elev. by USGS X = 496.161.10Y = 822,763.771165.01 Q-17 Panel USGS A 6- by 6-foot square black panel on 12- by 12-foot square white panel, both centered over station mark. U-17 Panel USGS Centered over station mark; 12- by 12-foot square white Horizontal position same as station mark 1131.2 Same horizontal position as station mark 1164.7 Located about 0.5 mi E. of station Q-17; 3/8-in. reinforcing rod projecting 0.2 ft; paneled with 9- by 9-foot square white panel centered over station T. 2 S., R. 5 E., near SW. corner of sec. 7.
To reach from intersection of Cleveland Street and Arizona Avenue in Chandler, drive W. on Cleveland Street for 3.0 mi to Price Road, turn left and go S. for 3.1 mi to T-rd. E. and station site. Station is located 36 ft NR. of intersection; 19 ft N. of centerline of E.-W. rd.; 30 ft E. of centerline of Price Road; 11 ft S. of centerline of ditch; in top of concrete post set flush with ground; Corps of Engineers disk stamped "TT W-17 1948" W-17 Rod elev. 1135.04 Panel elev. 1134.8 No horizontal position X = 507,383.96Y = 822,607.54 1186.43 W-17 Centered over station mark, 12- by 12-foot square white Panel USGS

X = 480,911.24 Y = 822,895.33 Position and elevation by USGS in 1965. Centered over station mark, 9- by 9-foot square white panel; two 3- by 12-foot wings for identification. Pane 1 USGS Position same as station mark 1135.0 Located about 0.5 mi E. of station R-17; a 3/8-in. reinforcing rod projecting 0.3 ft; centered over station mark, 9- by 9-foot square white panel. R½ - 17 USGS No horizontal position Rod Elev. 1141.80 Panel Elev. 1141.5 T. 2 S., R. 4 E., about 0.25 mi W. of NE. corner of sec. 17. To reach from intersection of Maricopa Highway and Williams Field Road, drive S. on Maricopa Highway for 2.5 mi to rd. SE. by side of gravel pit, turn left and go ESE. for 0.3 mi to trail leading S., turn right and follow trail S. for 0.6 mi to station site. Station is 66 ft E. of trail and at center of black painted panel; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "TT S-17 1960 ARMY MAP SERVICE" 3-17 X = 485,102.43Y = 822,817.24 S-17 Panel AMS Centered over station mark; black cross-target panel. T. 2 S., R. 4 E., about 0.2 mi W. of SE. corner of sec. 9. To reach from intersection of Maricopa Highway and Williams Field Road, drive S. on Maricopa Highway for 2.5 mi to rd. SE. by side of gravel pit, turn left and go SE. for 1.4 mi to intersection of cross trails and station site. Station mark is 26 ft N. of centerline of NW.-SE. rd. and 7 ft W. of centerline of N.-S. trail; in top of concrete post projecting 0.4 ft above ground; Corps of Engineers disk stamped "TT T-17 1948" 6- by 6-foot square white panel, centered over station mark; two 3- by 12-foot wings for identification. T. 2 S., R. 4 E., near NE. corner of sec. 15.
To reach from intersection of Baseline Road and Highline
Drive (South 56th Street), drive S. on 56th Street for
5.0 mi to Williams Field Road, turn left and go E. for
1.9 mi to cross road, turn right and go S. for 3.1 mi to
cross trail near large mesquite bush and station site.
Station mark is located 45 ft E. of centerline of main
N.-S. rd., 12 ft W. of centerline of bulldozed drail; at
S. edge of SW.-ME. trail; in top of concrete post projecting
O.3 ft; Corps of Engineers disk stamped "TT U-17 1948"

> Same horizontal position and elevation as station mark. A TITLE OF THE TOTAL OF THE SEA OF THE

> > 4.8.7.

14.75 100 🔩 🏌

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						9	
					TIER 18		
	STATION	DESCRIPTION E PLANE COORDINATES	CLEVATION (feet)	STATION		ELEVATION (feet)	
	X-17	T. 2 S., R. 5 E., near NE. corner of sec. To reach from intersection of Cleveland S Arizona Avenue in Chandler, drive W. on C Street for 2.0 mi, turn left on Dobson Ro S. for 3.0 mi to rd. intersection and sta Station is located 100 ft S. of centerlin rd; 20 ft W. of centerline of Dobson Roa of SE. corner of electric pump; in top of post projecting 0.4 ft above ground; Corp disk stamped "TT X-17 1948 RESET AMS 1953	itreet and cleveland ad and go tion site. te of EW. d; 18 ft SE. concrete s of Engineers	L-18	T. 2 S., R. 3 E.; about 0.1 mi S. of NW. sec. 21. To reach from Lone Butte Ranch for 1.0 mi to T-rd. N., turn right and g 0.9 mi along fence to fence corner where W., and station site. Station mark is 1 SW. of fence corner; in top of concrete projecting 0.3 ft; Corps of Engineers di "TT L-18 1948" X = 454,970.82 Y = 817,216.59	, drive W. O N. for rd. turns coated 3 ft	
		visited by USGS in 1965) X = 512,610.14 Y = 822,587.04	1197.0	L-18	A 6- by 6-foot square white panel center	ed over	
	PP X-17	At W. edge of Dobson Road, centerline of		Panel USGS	station mark. Same horizontal position as station mark	: 1095.7	
	ams	at headwall.	1106 9	0			
	Y-17	X = 512,619.54 Y = 822,645.77 T. 2 S., R. 5 E., near SE. corner of sec To reach from intersection of Cleveland S Arizona Avenus in Chandler, drive W. on C Street for 1.0 mi, turn left on Alma Schogo S. for 3.0 mi to rd. intersection and Station is located 17 ft N. of centerline and 16 ft W. of centerline of NS. rd.; top of concrete headwall, 1.4 ft higher t intersection; Corps of Engineers disk sta "TT Y-17 1948"	treet and leveland lol Road and station site. of EW. rd., cemented in han	M-18	T. 2 S., R. 3 E., near NW. corner of sec To reach from main rd. intersection near Mission, drive E. on graveled rd. for l. powerline, turn right and go SE. for 5.6 prominent EW. ditch, continue SE. on p for 0.4 mi to faint NS. trail and station is located 63 ft S. of intersect trail with powerline rd.; 18 ft E. of N. 20 ft W. of large lone tree; in top of c projecting 0.4 ft; Corps of Engineers di "BM M-18 1948".	St. Johns 9 mi to mi to omi to owerline rd. ion site. ion of NSS. trail; oncrete post sk stamped	
			1207.0		X = 460,375.66 $Y = 817,575.86Horizontal position by USGS in 1965.$	1101.6	
	Y-17 Panel	Located 86 ft SE. of station Y-17; center foot square white panel.		M-18 Panel USGS	A $6-$ by $6-$ foot square white panel center station mark.	ed over	
	USGS	x = 518,008.06 $y = 822,728.00$	1204.7	,	Same horizontal position as station mark	1101.2	
	P-17½	USGS Leveling, 1965) Located about 0.5 mi S. of station P-17; is 3/8-in. reinforcing rod projecting 0.2 9- by 9-foot square white panel centered	ft;	N-18	T. 2 S., R. 3 E., near SE. corner of sec To reach from Lone Butte Ranch, drive E. to field rd. N., turn left and go N. fc EW. ditch crossing and station site. located 20.5 ft W. of centerline of NS S. of centerline of EW. ditch; in top post projecting 0.5 ft; Corps of Engines stamped TT N-18 1948 RESET AMS 1956"	for 1.0 mi or 1.0 mi to Station is i. rd.: 18 ft	
		mark.			X = 465,534.09 $Y = 818,021.46$	1106.92	
	, .	Rod Elev. Panel Elev.	1115.6	N-18 Panel	A 6- by 6-foot square white panel center mark.	ed over station	
	P2-172 USGS	T. 2 S., R. 3 E., near center of sec. 13, on W. side of old NS. track rd.; statio 3/8-in. reinforcing rod projecting 0.3 ft square white panel is centered on a 12-b black panel, both centered over station m	n mark is; 6-by 6-foot y 12-foot square ark.	USGS P-18	Same horizontal position as station mark T. 2 S., R. 3 E.; about 0.2 ml S. of NE. sec. 23; 2.0 ml E. of Lone Butte Ranch, N.; station mark is 22 ft E. of NWSE.	corner of thence 0.8 mi trail; in top	•
		Panel Elev.			of concrete post projecting 0.4 ft; Corp disk stamped "BM P-18 1948" X = 470,736.54 Y = 816,994.76	1116.29	
	Q-17 } USGS	Located about 0.5 mi S. of Q-17 at 1/4 co powerline survey; on W. side of powerline mark is 1/2-in. rod projecting 0.1 ft; 9-	; station by 9-foot	P-18	Position and elevation by USGS in 1965. A 9- by 9-foot square white panel center	ed over station	
		square white panel centered over station Rod Elev. Panel Elev.	1124.60	Panel USGS	mark. There are two 3- by 12-foot wing identification.		
					Same horizontal position as station mark	1115.9	
	Q월-17월 USGS	T. 2 S., R. 4 E., near center of sec. 16, track rd.; station mark is 3/8-in. reinfo projecting 0.2 ft; 9- by 9-foot square wh centered over station mark.	reing rod	P½-18 USGS	Located about 0.5 mi W. of station Q-18; area; 50 ft W. of old NS. track rd.; 3/8-in. reinforcing rod projecting 0.3 f square white panel is centered over stat	tation mark is t; 9- by 9-foot	
		Rod Elev. Panel Elev.	1130.17 1130.0		No horizontal position Rod Elev Panel Elev	. 1124.64	
	R-17½ USGS	Located about 0.5 mi S. of R-17; in low f of 1/4 cor.; about 100 ft W. of telephone mark is 3/8-in. reinforcing rod projectin 9-foot square white panel centered over s Rod Elev. Panel Elev.	line; station g 0.3 ft; 9- by tation mark. 1135.98	Q-18	T. 2 S., R. 3 E., near NE. corner of sec To reach from RR. crossing in Maricopa, hwy. toward Phoenix for 13.3 mi to T-rd. and go W. for 0.8 mi to powerline crossi and go N. on powerline rd. for 1.0 mi to Station mark is located in center of bla	drive N. on SW., turn left ng, turn right station site. ck asphalt panel	
	R½-17½	T. 2 S., R. 4 E., near center of sec. 17;			W. of powerline; in top of concrete post 0.5 ft; Corps of Engineers disk stamped $X = 475,721.68 \qquad Y = 817,649.07$	"TT Q-18 1948"	
	USGS	is 2- by 2-in. wooden hub projecting 0.2 square panel centered over station mark.	ft; 9- by 9-foot	Q-18 Panel	Centered over station mark, black asphal panel.		
		Hub Elev. 11 Panel Elev. 11		AMS	Same horizontal position as station mark	1129.3	
i		Located about 0.25 mi E. and 0.5 mi S. of station mark is 3/8-in. reinforcing rod pft; 9- by 9-foot square white panel is certation mark.	rojecting 0.2	Q 1 -18 USGS	Located about 0.25 mi E. of station Q-18 3/8-in. reinforcing rod projecting 0.2 f square white panel centered over station	t; 6- by 6-foot	
		Rod Elev.	1146.61		No horizontal position Rod Elev Panel Elev	. 1131.36 . 1131.2	

STATION

DESCRIPTION

Rod Elev. 1140.81 Panel Elev. 1140.5

ELEVATION

T-18 Panel USGS

STATION

DESCRIPTION
PLANE COORDINATES ELEVATION (feet) PLANE COORDINATES T. 2 S., R. 4 E., about O.1 mi N. of SW. corner of sec. 14. Station is located on reservation of Goodyear Air Force Auxilary Airfield. (Permission to enter can be obtained at Williams Air Force Base). To reach from intersection of Cleveland Street and Arizona Avenue in Chandler, drive S. on State Highway 87 for 4.0 mi, turn right on Rittenhouse Road and go W. for 3.0 mi to airfield main gate (which may be locked), from main gate, go due W. for 1.75 mi to main runway, turn right and follow runway NW. for 0.3 mi to station site on left. Station mark is about 390 ft SW. of SW. edge of runway; 15 ft NE. of centerline of old rd.; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "TT U-18 1948" Located about 0.5 mi E. of station Q-18; in open area just W. of old N.-S. track rd.; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 9- by 9-foot square white panel centered over station mark. Q1-18 USGS U-18 Rod Elev. 1133.11 Panel Elev. 1132.9 No horizontal position Located about 0.75 mi E. of station, in lake bed; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark. Q3/4-18 USGS No horizontal position Rod Elev. 1136.46 Panel Elev. 1136.3 X = 497,126.01Y = 818,147.511164.61 U-18 A 6- by 6-foot square white panel centered over station mark. T. 2 S., R. 4 E., near NW. corner of sec. 20. To reach from junction of Williams Field Road and Maricopa Highway, drive S. on hwy. for 4.3 mi to telephone pole No. 455 E. of hwy. and station site; station mark is under telephone line; 25 ft N. of pole No. 455; 42 ft ESE. of centerline of hwy.; in top of concrete post flush with dirt bank; Corps of Engineers disk stamped "EM R-18 1948" R-18 Panel USGS Horizontal position same as station mark 1164.3 T. 2 S., R. 5 E., near NE. corner of sec. 19.
To reach from intersection of Cleveland Street and Arizona Avenue in Chandler, drive S. on State Highway 87 for 4.0 mi to intersection, turn right and go W. for 2.0 mi to cross roads and station site. Station mark is located 15.5 ft S. of centerline of E.-W. rd.; 9 ft W. of centerline of N.-S. rd.; 4 ft E. of centerline of irrigation ditch; 1.6 ft NW. of fence corner; in top of concrete post projecting 0.2 ft; Corps of Engineers disk stamped "TT X-18 RESET AMS 1952" (Not visited by USGS in 1965) X-18 X = 481,074.55 Y = 817,503.47 Position and elevation by USGS in 1965. A 9- by 9-foot square white panel centered over station mark. There are two 3- by 12-foot wings for identification. R-18 Panel USGS Horizontal position and elevation same as station mark. Horizontal position not available 1193.6 Located about 0.25 mi E. of station R-18, in dry lake bed; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; 6- by 6-foot square white panel is centered over station mark. R1-18 USGS Located 42 ft NE. of station on E. side of N.-S. rd.; centerline of E.-W. ditch at headwall. PP X-18 AMS X = 512,674.35 Y = 817,406.081192.6 Rod Elev. 1141.70 Panel Elev. 1141.4 No horizontal position TIER 184 County Located about 0.5 mi E. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 9- by 9-foo square white panel centered over station mark. R1-18 (USGS Leveling, 1965) Rod Elev. 1143.96 Panel Elev. 1143.8 No horizontal position Q-18# Located about 0.25 mi S. of station Q-18; on W. edge of powerline; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark. Located about 0.75 mi E. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; 6- by 6-foot square white panel centered over station mark. R3/4-18 Rod Elev. 1127.86 Panel Elev. 1127.7 No horizontal position Rod Elev. 1145.69 Panel elev. 1145.4 Qt-18t Located about 0.25 mi E. and 0.25 mi S. of station Q-16; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark. T. 2 S., R. 4 E., near NE. corner of sec. 20.
To reach from junction of Williams Field Road and
Maricopa Highway, drive S. on Maricopa Highway for
3.95 mi to trail E., just S. of pole No. 467, turn left
and go E. for 0.35 mi to cross trail, turn right and go
SE. for 0.1 mi to alkali clearing and dim trail E.,
turn left and go E. for 0.55 mi to large alkaline
clearing and station site. Station is located about
275 ft W. of G.L.O. section corner pipe; in top of
concrete post projecting 0.1 ft; Corps of Engineers
disk stamped "BM S-18 1948" s-18 Rod Elev. 1131.74 Panel Elev. 1131.5 Q=18분 Located about 0.5 mi E. and 0.25 mi S. of station Q-18; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station X = 486,221.98 Y = 817,775.81 Morizontal position by USGS in 1965. Rod Elev. 1133.58 Panel Elev. 1133.4 A 9- by 9-foot square white panel centered over station mark. There are two 3- by 12-foot wing panels for identification. Q3/4-18 Located about 0.75 mi E. and 0.25 mi S. of station Q-18; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; 6- by 6-foot square white panel centered over station mark. s-18 Panel USGS Same horizontal position as station mark 1146.7 Rod Elev. 1135.15 Panel Elev. 1134.9 T. 2 S., R. 4 E., near SW. corner of sec. 15.
To reach from junction of Williams Field Road and
Maricopa Highway, drive S. on Maricopa Highway for 1.8;
thence turn SE. on track rd. which follows the surveyed
route of proposed Interstate Highway 10, and go 3.0 mi
mi to station site on right. Station mark is 100 ft W.
of track rd.; about 1000 ft S. of USC&GS EM "E 414 1962"
about 400 ft N. of G.L.O. section corner pipe; in alkali
clearing; in top of concrete post projecting 0.5 ft;
Corps of Engineers disk stamped "BM T-18 1948" T-18 R-181 Iocated about 0.25 mi S. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; 6- by 6-foot square white panel centered over station mark. Rod Elev. 1138.96 Panel Elev. 1138.7 Located about 0.25 mi E. and 0.25 mi S. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; at center of 6- by 6-foot square white panel. R‡-18‡ X = 491,875.46 Y = 818,246.63 Horizontal position by USGS in 1965.

1155.3

A 6- by 6-foot square white panel centered over station mark. There are two 3- by 12-foot wing panels for identification.

Same horizontal position as station mark 1154.8

STATION DESCRIPTION ELEVATION PLANE COORDINATES (feet)

R½-18½ Located about 0.5 mi E. and 0.25 mi S. of station R-18; station mark is 2- by 2-in. wooden hub projecting 0.2 ft; 6- by 6-foot square white panel is centered over station mark.

Hub Elev. 1143.35 Panel Elev. 1143.2

R3/4-18 Located about 0.75 mi E. and 0.25 mi S. of station R-18; station mark is 3/8-in. retniording rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1146.41 Panel Elev. 1146.2

S-18 $\frac{1}{6}$ Location about 0.25 mi S. of station S-18; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1147.02 Panel Elev. 1146.8

TIER 184

(USGS Leveling, 1965)

P-18½ Located about 0.5 mi S. of station P-18; about 100 ft N. of edge of cultivated field; station mark is 2- by 2-in. wooden hub projecting 0.3 ft; 9- by 9-foot square white panel is centered over station mark.

Hub Elev. 1122.47 Panel Elev. 1122.2

P1-182 Located about 0.5 mi E. and 0.5 mi S. of station P-18; T. 2 S., R. 3 E., near center of sec. 24; Just N. of edge of heavy brush; station mark is 3/8-in. reinforcing rod projecting 0.1 ft; 9- by 9-foot square white panel is centered over station mark.

Rod Elev. 1121.38 Panel Elev. 1121.3

Q-18½ Located about 0.5 mi S. of station Q-18; at 1/4 cor. reset by powerline survey; on W. side of powerline; station mark is 1/2-in. steel rod flush with ground; 9- by 9-foot square white panel is centered over station mark.

Rod Elev. 1128.83 Panel Elev. 1128.8

Q1-18} Located about 0.25 mi E. and 0.5 mi S. of station Q-18; station mark is 2- by 2-in. wooden hub projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Hub Elev. 1130.21 Panel Elev. 1130.0

Q1-182 Located about 0.5 mi E. and 0.5 mi S. of station Q-18; T. 2 S., R. 4 E., near center of sec. 19; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 9- by 9-foot square white panel is centered over station mark.

Rod Elev. 1132.59 Panel Elev. 1132.4

Q3/4-18 Located about 0.75 mi E. and 0.5 mi S. of station Q-18; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; 6- by 6-foot square white panel is centered over station mark.

Rod Elev. 1135.39 Panel Elev. 1135.1

R-18½ Located about 0.5 mi S. of station R-18; station mark is G.L.O. 1/4 cor. pipe common to sections 19 and 20; pipe projects 0.2 ft; 9- by 9-foot square white panel is centered over station mark.

Pipe Elev. 1138.30 Panel Elev. 1138.1

R1-182 Located about 0.25 mi E. and 0.5 mi S. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; 6- by 6-foot square white panel is centered over station mark.

Rod Elev. 1140.04 Panel Elev. 1139.7 STATION DESCRIPTION PLANE COORDINATES

ELEVATION

R2-182 T. 2 S., R. 4 E.; at center of sec. 20; station mark is G.L.O. 1/4 cor. pipe projecting 0.1 ft; 9- by 9-root square white panel centered over station mark.

Pipe Elev. 1142.44 Panel Elev. 1142.3

R3/4-18 Located about 0.75 mi E. and 0.5 mi S. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1144.42 Panel Elev. 1144.2

S-16] Located about 0.5 mi S. of station S-18; station mark is G.L.O. 1/4 cor. pipe common to secs. 20 and 21, T. 2 S., R. 4 E., projecting 0.3 ft; 9- by 9-foot square white panel centered over station mark.

Pipe Elev. 1146.81 Panel Elev. 1146.5

TIER 18 3/4

(USGS Leveling, 1965)

Q-18 3/4 Located about 0.75 mi S. of station Q-18; on W. side of powerline; a reset 1/16 cor. by powerline survey; station mark is 3/4-in. pipe flush with ground; 6-by 6-foot square white panel centered over station mark.

Pipe Elev. 1128.63 Panel Elev. 1128.6

Qi-18 3/4 Located 0.25 mi N. of rd. to Lone Butte Ranch and 0.25 mi E. of powerline; station mark is 2- by 2-in. wooden hub projecting 0.2 ft; 6- by 6-foot square white penel centered over station mark.

Hub Elev. 1128.95 Panel Elev. 1128.8

Q=18 3/4 Located about 0.25 mi N. of rd. to Lone Butte Ranch and 0.25 mi W. of Maricopa Highway; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1129.72 Panel Elev. 1129.5

\(\frac{3}{4}\)-18 \(\frac{9}{4}\) Located about 0.2 mi N. of junction of Maricopa Highway and rd. to Lone Butte Ranch; about 400 ft W. of hwy.; station mark is \(\frac{3}{6}\)-in. reinforcing rod projecting 0.2 ft; \(\frac{6}{6}\)- by \(\frac{6}{6}\)-foot square white panel centered over station mark.

Rod Elev. 1131.05 Panel Elev. 1130.9

1-18 3/4 Located about 0.75 mi S. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; 6- by 6-foot square white panel centered over station mark.

1.

Rod Elev. 1135.22 Panel Elev. 1134.9

R1-18 3/4 Located about 0.25 mi E. and 0.75 mi S. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1137.37 Panel Elev. 1137.2

R½-18 3/4 Located about 0.5 mi E. and 0.75 mi S. of station R-1°; station mark is 3/8-in. reinforcing rod projecting 0.0 ft; 6- by 6-in. square white panel centered over station mark.

Rod Elev. 1139.78 Panel Elev. 1139.6

R3/4-18 3/4 Located about 0.75 mi E. and 0.75 mi S. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1142.77 Panel Elev. 1142.6

S-19 3/4 Located about 0.75 mi S. of station S-18; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1145.43 Panel Elev. 1145.2

STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)	STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)
G-1 9	T. 2 S., R. 2 E., about 0.2 mi S sec. 26. To reach from St. John S. on 51st Avenue for 1.3 mi to right fork and go E. for 0.95 mi thence turn N. and follow W. sid. crossing, thence cross canal and trail for 0.25 mi to large clear follow rd. E. for 0.55 mi to pip	s Indian School, drive rd. fork, thence take i. fork, thence take to canal and water tank, e of canal to canal turn S. and following and rd. E., thence the canal turn s.	Q-19	T. 2 S., R. 4 E., near NW. corner of the reach from Southern Pacific Rail Maricopa, drive N. along hey. towart or d. left to Lone Butte Ranch, the for 0.6 mi; about 0.1 mi E. of prd.; at center of black rock panel; post; Corps of Engineers disk stamp TTR Q-19 1960 ARMY MAP SERVICE"	road crossing in d Phoenix for 13.3 mi ence turn left and go owerline; 250 ft S. of in top of concrete
	thence continue E. on trail for and station site; at triangle for	0.5 mi to dim trail N. rmed by trails; 85 ft		X = 476,685.41 $Y = 812,326.49$, 1133.84
	SE. of westernmost tip of triangle easternmost tip of triangle; in projecting 0.2 ft; Corps of Engir "G-19 1948"	le and 43 ft SW. of top of concrete post	Q-19 . Panel AMS	A black rock cross-target panel cen mark. (8- by 8-foot square center in with white plastic paneling mate this white square also centered over	of target was filled rial by USGS in 1965.
. '4	X = 434,195.86 $Y = 811,252.90$	1050.6		Same horizontal position as station	mark 1133.6
G-19 Panel	A 12- by 12-foot square black tar over station mark.	-paper panel centered	Q 1 -19	About 50 ft S. of graded rd.; 3/8-1	n. rod projecting
USGS	Same horizontal position as stati	on mark 1050.4	USGS	0.3 ft at center of 6- by 6-foot squ	uare white panel.
J-19	T. 2 S., R. 3 E., near NW. corner	of sec. 30.		Pe Pe	Rod Elev. 1134.24 anel Elev. 1133.9
·	To reach from post office at Law black top rd. for 6.5 mi to rd. of fork and follow main rd. SE. for thence turn right and then left a paralleling main rd. for 0.25 mi	en, drive S. along ork, thence take left 4.7 mi to trail S., nd follow trail to cross trail, thence	Q1-19 USGS	About 100 ft S. of graded rd.; 3/8-: 0.2 ft at center of 9- by 9-foot squ	in. rod projecting ware white panel. Rod Elev. 1135.34
	turn right and follow trail SW. f intersection and station site; 4 intersection; 2 ft SE. of 4- by 4	4 ft SW. of trail		Pe	anel Elev. 1135.1
	in top of concrete post projectin Engineers disk stamped "TT J-19 1	g 0.4 ft; Corps of 948"	Q3/4-19 USGS	About 100 ft E. of Maricopa Highway; projecting 0.3 ft at center of 6- by white panel.	3/8-in. rod 6-foot square
J- 19	X = 444,893.16 $Y = 811,864.32A 12- by 12-foot square white pan$,,,,,,	,		Rod Elev. 1136.84
Panel USGS	mark. Same horizontal position as stati	• • • • • • • •	W. of R-19 USGS	Located about 0.25 mi W. of station section corner pipe projecting 0.2 f	R-19; G.L.O. t; at center of
L-19	T. 2 S., R. 3 E., near SW. corner To reach from Lone Butte Ranch, d canal for 1.2 mi to T-rd. N. and of intersecting centerlines of T- centerline of EW. rd.; 3 ft SW. top of concrete post set 1.0 ft b Corps of Engineers disk stamped	rive W. on S. side of station site; 27 ft SE. rd. N.; 18 ft S. of	R-19	9- by 9-foot white panel. Food of the panel	Maricopa Highway
	"TR 1-19 1960 ARMY MAP SERVICE" X = 454,967.83 Y = 812,804.59	1103.2		for 5.0 mi to rd. junction W. and grove of trees or left; continue S. for O.1 mi, then turn left around of trees and go E. across country for 0.5 mi to ste	ove of trees on urn left around tip or 0.5 mi to station
L-19 Panel USGS	A 12- by 12-foot square white panemark.	el centered over station		site; 3 ft S. of witness post; in to projecting 0.3 ft; Corps of Engineer "BM R-19 1948"	p of concrete post s disk stamped
	Same horizontal position as static	on mark 1104.2		X = 482,228.97 $Y = 812,430.91Position and elevation by USGS in 19$	1140.53
M- 19	T. 2 S., R. 3 E., about 0.15 mi E sec. 22. At Lone Butte Ranch; at 30 ft N. of EW. rd.; 6 ft N. of ditch; 2.3 ft E. of NE. corner of	rd. intersection; abou centerline of EW. concrete headwall; in	R-19 S Panel USGS	Centered over station mark, 9- by 9 panel with two 3- by 12-foot wing pa Same horizontal position as station	nels for identification.
	top of concrete post projecting 0. Engineers disk stamped "TT M-19 19	1 ft; Corps of 962 ARMY MAP SERVICE"	-1 :		
	X = 461,046.10 $Y = 812,543.04$	1115.5	R1-19 USGS	Located about 0.25 mi E. of station corner pipe projecting 0.3 ft, at cen square white panel.	R-19; G.L.O. 1/4 ter of 9- by 9-foot
M-19 Panel USGS	Located 151 ft NW. of station mark 6- by 6-foot black square panel, w panels for identification.	; center of ith two white wing		No horizontal position p	ipe Elev. 1140.54 nel Elev. 1140.2
	X = 460,920,50 $Y = 812,626.57$	1114.0	83/4-19	Located about 0.5 mi E. of station R	-19: 3/8-in, rod
	T. 2 S., R. 3 E., near SW. corner To reach from Lone Butte Ranch, dr cattle guard and fence and field r	ive E. for 1.0 mi to		projecting 0.2 it at center of 6- by white panel.	6-foot square
	24 ft N. of N. edge of cattle guard; 15 ft centerline of rd.; 1.5 ft NE. of fence contop of concrete post projecting 0.1 ft; Co	d; 15 ft N. of ence corner post; in 1 ft; Corps of	3	Par	nel Elev. 1143.8
	Engineers disk stamped "TT N-19 19 $X = 465,623.45$ $Y = 812,509.69$	1116.63	USGS ,	Located about 0.25 mi WSW. of station section corner pipe projecting 0.3 ft	t, at center of
N-19	30 ft S. of station mark, center o		.* *	9- by 9-foot square white panel. (3/8 is wired to sec. cor. pipe; projects (0.5 ft)
ams	guard. $X = 465,620.7$ $Y = 812,479.9$	1116.9		Par	Rod Elev. 1146.90 nel Elev. 1146.4
			3-19	T. 2 S., R. 4 E., about 0.25 m1 ENE.	of SW. corner of
USGS	NW. of T-ditch N.; 3/8-in. reinforcing rod between double stakes projecting 0.1 ft; 9- by 9-foot white panel centered over mark.			sec. 21. To reach from S. P. RR. crossing at Maricopa, drive N. on hwy. to Phoenix for 12.6 mi to track rd. crossing, thence turn right and go easterly for 1.5 mi, thence leave rd, turn left and go northerly across	
	No horizontal position	Rod Elev. 1131.21 Panel Elev. 1131.1	111	country 0.6 mi to large clearing, par site; in center of black and white pa concrete post projecting 0.4 ft; Corp stamped "TR S-19 1948"	nel, and station unel; in top of

S-19 Center of black and white cross-target panel.

AMS Same horizontal position as station mark 1146.8

-X = 487,399.07 Y = 812,768.38

Pipe Elev. 1137.80 Panel Elev. 1137.5

FILE COPY

		STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)
STATION	DESCRIPTION ELEVATION PLANE COORDINATES (feet)		TIER 191	, , ,
T- 19	T. 2 S., R. 4 E., about O.l mi E. of SW. corner of sec. 22. To reach from junction of Maricopa Highway	:	(USGS Leveling, 1965)	
	and Williams Field Road, drive S. on hwy. for 5.65 mi to EW. trail, thence turn left and go E. for 1.2 mi to cross trail, thence continue straight ahead, E.	Q-19 1	A 3/8-in. rod projecting 0.3 ft, square white panel; 40 ft E. of po	in center of 6- by 6-foot owerline.
	for 1.05 mi to cross trail, thence turn left and go NE. for 0.75 mi to clear alkali flat and station site;			Rod Elev. 1135.97
	121 ft N. of large clump of brush; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "BM T-19 1948"	01.101	A G.L.O. 1/16 cor. iron pipe proj	ecting 0 1 ft in center
	x = 492,465.70 $Y = 812,681.07$ 1155.7 Position by USGS in 1965.	Q <u>1</u> -191	of 6- by 6-foot square white pane	1.
T-19 Panel	Centered over station mark, 6- by 6-foot square white panel, with two 3- by 12-foot wing panels for			Pipe Elev. 1134.78 Panel Elev. 1134.7
USGS	identification. Same horizontal position as station mark 1155.3	양-19분	A G.L.O. 1/16 cor. iron pipe proj of 6- by 6-foot square white pane	ecting 0.8 ft, in center
				Pipe Elev. 1136.87 Panel Elev. 1136.1
U-19	T. 2 S., R. 4 E., near SE. corner of sec. 22. To reach from junction of Maricopa Highway and Williams Pield Road, drive S. on Maricopa Highway for 5.65 mi	02.01.101	A G.L.O. 1/16 cor. iron pipe proj	
	to EW. trail, thence turn left and go E. for 1.2 mi to cross trail, continue E. for 1.05 mi to cross trail, continue E. for 1.45 mi to cross trail, thence turn left	Q 3/4-19 T	of 6- by 6-foot square white pane	1.
	and go N. for 0.15 mi to trail forks and station site; in apex of trail fork; 7 ft E. of NS. trail; in top of concrete post projecting 0.4 ft; Corps of Engineers			Pipe Elev. 1137.37 Panel Elev. 1137.1
	disk atamped in 0-19 1940	R-191	A 3/8-in. rod projecting 0.4 ft; 6- by 6-foot square white panel.	in center of
U-19	Centered over station mark, 12- by 12-foot square white			Rod Elev. 1141.65 Panel Elev. 1141.3
Panel USGS	panel. Same horizontal position as station mark 1164.4	nl 101	A 3/8-in. rod projecting 0.4 ft,	
W-19	T. 2 S., R. 4 E., near NE. corner of sec. 25. To reac	R4-194	6- by 6-foot square white panel.	
	from Intersection of Cleveland Street and Arizona Avenue in Chandler, drive S. on State Highway 87 for 5.0 mi to crosaroads, thence turn right and go W. for			Rod Elev. 1142.66 Panel Elev. 1142.3
	3.0 mi to Price Road and station site; 11.6 ft W. of centerline of Price Road; 7.5 ft N. of extended	R½-19₺	A 3/8-in. rod projecting 0.4 ft, 6- by 6-foot wquare white panel.	
	centerline of rd. E.; in top of concrete post flush wit: ground; Corps of Engineers disk stamped "TT W-19 1948 RESET AMS 1956"			Rod Elev. 1141.48 Panel Elev. 1141.1
	X = 507,377.33 Y = 812,006.96 1183.67	01	, and the second second	
W-19 Panel USOS	Centered over station mark, 12- by 12-foot square white panel.	R3/4-194	A 3/8-in. rod projecting 0.3 ft, 6- by 6-foot square white panel.	
	Same horizontal position and elevation as station mark.			Rod Elev. 1144.79 Panel Elev. 1144.5
X-19	T. 2 S., R. 5 E., near NE. corner of sec. 30. To reach from intersection of Cleveland Street and	S-19‡	A 3/8-in. rod projecting 0.3 ft, 6- by 6-foot square white panel.	in center of
	Arizona Avenue in Chandler, drive S. on State Highway 87-93, for 5.0 mi to cross road, thence turn right and go W. for 2.0 mi to cross road and station site; 9 ft			Rod Elev. 1148.04 Panel Elev. 1147.7
	W. of centerline of NS. rd.; 13 ft S. of EW. rd.; 2.5 ft NW. of N. end of concrete culvert; in top of concrete post projecting 0.1 ft; Corps of Engineers disk stamped "TT X-19 1948 RESET AMS 1956" (Not		TIER 19½	
	disk stamped "TT X-19 1948 RESET AMS 1956" (Not visited by USGS in 1965)		(USGS Leveling, 1965)	
	X = 512,628.04 Y = 812,095.82 1201.4 NOTE: Elevation appears to be ten ft high according to elevation published on map.	P-19 }	A 3/8-in. rod projecting 0.3 ft,	
PP X-19	On W. side of NS. rd.; centerline of EW. ditch at headwall.		9- by 9-foot square white panel.	Rod Elev. 1126.68
KILD	X = 512,630.50 $Y = 812,089.35$ 1201.4			Panel Elev. 1126.4
Y-19	T. 2 S., R. 5 E., near SW. corner of sec. 21.	P2-192	A 3/8-in. rod projecting 0.3 ft, 9- by 9-foot square white panel.	in center of
	To reach from intersection of Cleveland Street and Arizona Avenue in Chandler, drive S. on State Highway 87-93 for 5.0 ml to crossroads, thence turn right and			Rod Elev. 1129.06 Panel Elev. 1128.8
	go W. for 1.0 mi to cross road and station site; 25 ft N. of centerline of EW. rd.; 15 ft E. of centerline of NS. rd.; cemented in top of S. end of concrete	0-19 }	A 3/8-in. rod projecting 0.3 ft,	in center of
	headwall, 1 ft higher than rd.; Corps of Engineers disk stamped "TT Y-19 1948"	•.	9- by 9-foot square white panel,	Rod Elev. 1135.24
	x = 518,046.37 Y = 812,223.84 1201.1	•	and the second s	Panel Elev. 1134.9
Y-19 Panel USGS	Located 125 ft SW. of station mark, center of 12- by 12-foot square black panel.	0 1 -19 1	A G.L.O. 1/16 cor. iron pipe projector of 6- by 6-foot square whi	ecting 0.4 ft, in te panel.
	x = 517,949.76		*ተቋመ 1 4 - 40 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Pipe Elev. 1138.53 Panel Elev. 1138.1
		01-191	At center of sec. 30: G.L.O. Ct	cor. iron pipe
	•	- - ;;	projecting 0.3 ft in center of 9- white panel; 190 ft W. of Maricop	by 9-100t square

	•				
STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)	STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)
Q3/4-19	A G.L.O. 1/16 cor. iron pipe project center of 6- by 6-foot square white	ting 1.1 ft in panel.	R3/4-19 3	/4 In lake bed; 3/8-in. rod project of 6- by 6-foot square white pane	1= 0 2 0
		ipe Elev. 1139.66 nel Elev. 1138.6			Rod Elev. 1148.04 Panel Elev. 1147.7
R-19]	270 ft N. of dirt rd.; G.L.O. 1/4 co projecting 0.4 ft, in center of 9-1 white panel.	or. iron pipe by 9-foot square	3-19 3/4	A 3/8-in. rod projecting 0.3 ft, 6- by 6-foot square white panel.	in center of
	. Pi	pe Elev, 1141.01 tel Elev. 1140.6	 .	TIER 20	Rod Elev. 1148.65 Panel Elev. 1148.4
R1-191	A 3/8-in. rod projecting 0.3 ft, in 6- by 6-foot square white panel.	center of	K-20	T. 2 S., R. 3 E., near NW. corner	
		od Elev. 1144.62 el Elev. 1144.3	. •	black top rd. for 6.5 mi to rd. f fork and go SE. along main rd. fo in rd., thence turn right and fol	en, proceed S. along ork, thence take left r 6.0 mi to right turn
R½-19½	At center of sec. 29; 33 ft S. of rd iron pipe projecting 0.4 ft, in cent square white panel.	.; G.L.O. Ct cor. er of 9- by 9-foot	۸. **	SW. of centerline of main rd. and	n site. Located 65 ft
		pe Elev. 1148.47 el Elev. 1148.1	P K-20		1082.45
R3/4-19 }	200 ft S. and 425 ft E. of track rd. and AMS triangulation station CONFER iron pipe projecting 1.3 ft; in cent 6- by 6-foot sequare white panel.	: G.L.O. 1/16 cor.:	MS _a	at centerline of NWSE. trail. X = 450,223.68 Y = 807,141.80	
	Pi	pe Elev. 1148.19 el Elev. 1146.9	-20 C&GS BM (-273)	T. 2 S., R. 3 E., near SE. corner To reach from junction of Maricopa Field Road, drive S. on Maricopa P black top rd. W., thence turn right to station on right. Located 80 ft	Highway and Williams
S-19 }	320 ft S. of track rd.; 3/8-in. rod in center of 9- by 9-foot square white	projecting 0.3 ft, te panel.		rd.; in top of concrete post projestandard disk stamped "R 273 1948"	eting 0.3 ft+ Hscacs
	Ro Pane	od Elev. 1145.86 el Elev. 1145.6		X = 454,657.01 $Y = 807,354.72$ Position by USGS in 1965.	1094.33
	TIER 19 3/4		-20 anel	Centered over station mark, 6- by panel.	6-foot square white
	(USGS Leveling, 1965)		ISGS	Same horizontal position as statio	n mark 1094.0
Q-19 3/4	66 ft SW. of powerline crossing; 1/16 powerline survey; 3/4-in. reinforcing 0.1 ft, in center of 6- by 6-foot squ	rod projecting .	127	T. 2 S., R. 3 E., near SW. corner To reach from junction of Maricopa Field Road, drive S. on Maricopa H	Highway and Williams
		d Elev. 1134.68 1 Elev. 1134.6		black top rd. W., thence turn righ mi to trail N. and station site. centerline of main rd.; in triangl top of concrete post projecting O. disk stamped "TT M-20 1948"	Located 40 ft N. of
Qt-19 3/4	A 3/8-in. rod projecting 0.3 ft, in c 6- by 6-foot square white panel.	enter of			1103.80
€.	Ro Pane	d Elev. 1136.20 1 Elev. 1135.9	M-20 Sanel	Centered over station mark, 6- by panel.	6-foot square white
Q 1 -19 3/4	36 ft E. of Maricopa Highway; 25 ft W cor. pipe; 7 ft N. of pole No. 398; 3.	/8-in. rod		Same horizontal position as station	n mark 1103.5
	projecting 0.3 ft, in center of 6- by white panel.	6-foot square	N-20	Located about 700 ft ESE. of USC&G about 300 ft SE. of rd. junction S black top rd.; in top of concrete Corps of Engineers disk stamped	S BM "S 273 1948"; .; about 150 ft S. of
	Roc. Pane	d Elev. 1137.85 1 Elev. 1137.6		A USGS 6- by 6-root white panel cer	ntered over station.
03/4-19 3/	A 3/8-in. rod projecting 0.3 ft, in 6- by 6-foot square white panel.	center of		No horizontal position Station P	mark Elev. 1114.80 anel Elev. 1114.6
	. Pane	1 Elev. 1142.58 1 Elev. 1142.3	BM)	T. 2 S., R. 3 E., near SE. corner of To reach from junction of Maricopa Field Road, drive S. on Maricopa H: black top rd. W., thence turn right	Highway and Williams Ighway for 6.2 mi to
R-19 3/4	A G.L.O. 1/16 cor. iron pipe projecting center of 6- by 6-foot square white particles.	inel.	• 1	to reverse rd. fork and station sit mark is 78 ft N. of centerline of a of AMS station "N-20"; in top of co	te on right. Station rd.; about 700 ft WNW.
		Elev. 1142.53 Elev. 1141.4		X = 464,622.00 $Y = 807,339.24$	ed "S 273 1948" 1116.08
Rt-19 3/4	About 185 ft SE. of 1/16 cor.; 3/8-in. 0.3 ft, in center of 6- by 6-foot square	rod projecting re white panel.	S-273	Position by USGS in 1965. Centered over station mark, 6- by 6	-foot square white
		Elev. 1143.36 Elev. 1143.1	USGS	panel. Same horizontal position as station	mark 1115.7
				· ·	

 R_2^1-19 3/4 A G.L.O. 1/16 cor. iron pipe projecting 0.3 ft, in center of 6- by 6-foot square white panel.

Rod Elev. 1146.56 Panel Elev. 1146.3

Rod Elev. 1139.28 Panel Elev. 1139.0

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STATIC	N DESCRIPTION PLANE COORDINATES	ELEVATION (feet)	STATION	DESCRIPTION PLANE COORDINATES	* 7 * * 1	ELEVATION (feet)
P-20	T. 2 S., R. 3 E., near NE. corner of sec. To reach from junction of Maricopa Highwa Williams Field Road, drive S. on Maricopa	v and	R3/4-20 USGS	60 ft S. of surveyed rd.R. 0.3 ft; in center of 6- by	0.W.; 3/8-in. rod 6-foot square whi	projecting te panel.
	Williams Field Road, drive S. on Maricopa 6.2 mi to black top rd. W., thence turn r 1.5 mi to station site on left; about 140 in center of black and white painted pane of concrete post projecting 0.5 ft; Corps disk stamped "TT P-20 1948 RESET AMS 1955	ight and go ft S. of rd.; l; in top of Engineers		;	Panel Elev	
	X = 470,638.32 $Y = 807,118.37$	1123.34	s-20	T. 2 S., R. 4 E., about 0 sec. 28. To reach from ju and Williams Field Road, 6	inction of Maricopa	nignway
P-20	Centered over station mark, black and whi			for 6.15 mi to powerline of powerline rd. for about 30	crossing, thence tu	rn left on
Panel AMS	cross-target panel. Same horizontal position as station mark	1122.8		and go E. on surveyed rd. site on N. side of EW. r projecting 0.4 ft; Corps of "BM S-20 1948"		
P½-20 USGS	90 ft S. of black top rd., 3/8-in. rod pro 0.3 ft, in center of 9- by 9-foot square	ojecting white panel.		X = 487,096.93 Y = 807 Horizontal position by USC	7,264.91	1152.07
	Rod Ele	ev. 1128.55 ev. 1128.2	V -6 0 00	Tanatad about ERO et MCM	of station 5 20. F	io et e
W. of Q USGS	-20 About 50 ft N. of black top rd; 75 ft W. 3/8-in. rod projecting 0.3 ft, in center of	of powerline;	Panel USGS	Located about 580 ft WSW. of sec. cor. pipe in surve 9- by 9-foot square white wing panels for identification.	eyed rd. R.O.W.; ce panel, with two 3-	enter of
	9- by 9-foot square white panel.			x = 486,525.05 $Y = 807$	7,165.35	1151.3
		ev. 1135.47 ev. 1135.2	T-20	T. 2 S., R. 4 E., near SW. To reach from junction of Williams Field Road, drive	. corner of sec. 27 Maricopa Highway a	ind
Q-20	T. 2 S., R. 4 E., near NW. corner of sec. To reach from junction of Maricopa Highway Field Road, drive S. on Maricopa Highway to black top rd. W., thence turn right and to lone tree on left and station site. I S. of rd.; 7 ft E. of E. edge of mesquite of concrete post projecting 0.4 ft; Corps	y and Williams for 6.2 mi d go 0.15 mi Located 78 ft tree: in top		Williams Field Road, drive 6.15 mi to powerline cross powerline rd. for about 30 and go E. on surveyed rd. thence turn left and go N. 25 ft W. of trai; in top c 0.3 ft; Corps of Engineers	sing, thence turn 1 00 ft, thence turn route for 2.5 m1 t . about 0.1 m1 to s	left on left again to cross trail, station site;
	of concrete post projecting 0.4 ft; Corps disk stamped "BM Q-20 1948" X = 477,391.85 Y = 807,184.68	1136.90		X = 492,216.59 Y = 807 Horizontal position by USC	7,758.81 38 in 1965.	1155.8
	Position and elevation by USGS in 1965.	4.5	T-20 Panel	Centered over station mark panel, with two 3- by 12-fo	oot wing panels for	mare white identification
Q-20 Panel USGS	Centered over station mark, 6- by 6-foot a white panel.	1	USGS	Same horizontal position a	as station mark	1155.5
	Same horizontal position as station mark	1136.5	U- 20	T. 2 S., R. 4 E., near NW. from junction of Maricopa	. corner of sec. 35	. To reach
Q}-20 USGS	Location 50 ft W. of power pole No. 21-6; G.L.O. 1/4 cor. pipe; 3/8-in. rod project in center of 9- by 9-foot square white par	ing 0.3 ft;		Road, drive S. on Maricops trail, thence turn left ar trails, thence continue st	a Highway for 5.05 nd go E. for 1.2 mi traight ahead for 1	mi to EW. I to cross 1.05 mi to
	Rod Ele Panel Ele	ev. 1138.71 ev. 1138.4		cross trail, thence contintrail, thence turn right of buck brush and station in top of concrete post programmers disk stamped "BN	and go S. for 1.05 site: 38 ft W. of	mi to group NWSE. trail;
Q3/4-20 USGS	A 3/8-in. rod projecting 0.3 ft, in center 6- by 6-foot square white panel.	r of		x = 498,407.07 $Y = 800$		1165.32
	Rod Ele Panel Ele	ev. 1139.95 ev. 1139.6	U-20 Panel USGS	Centered over station mark	k; 6- by 6-foot squ	are white
NE OF I	-20 In center of surveyed rd. R.O.W.; G.L.O. s corner pipe (rusted off).	section	0303	Same horizontal position a	as station mark	1164.5
	X = 481,252.75 $Y = 807,246.20$ (group Position by USGS in 1965.	nd) 1141.6	Y-20	T. 2 S., R. 5 E., near NE. To reach from intersection Arizona Avenue, in Chandle	n of Cleveland Stre er, drive S. on Sta	eet and ate Highway 87
NE OF I Panel USGS	N-20 About 80 ft N. and 10 ft E. of section cor rod projecting 0.3 ft; in center of 9- by white panel, with two 3- by 12-foot wing ps identification.	rner; 3/8-in. 9-foot square anels for		for 6.0 mi to cross road, to cross road and station NS. rd.; 21 ft S. of cer concrete abutment level wi stamped "TT Y-20 1948" (1	site; 63 ft W. of nterline of EW.	centerline of rd.; in top of
	X = 481,265.28 $Y = 807,322.15$ Rod Ele	ev. 1142.23 ev. 1141.9		X = 517,941.74 Y = 800	6,901.94	1201.7
	Louist Die		PP Y-20	At S. edge of EW. rd.; of headwall.	centerline of NS.	. ditch at
R-20	T. 2 S., R. 4 E.; about O.1 mi SW. of NE. sec. 31. To reach from junction of Maricc and Williams Field Road, drive S. on Maric for 6.15 mi to powerline crossing, thence	opa Highway copa Highway turn left	AMS		6,912.27	1201.9
٠.	and follow powerline rd. SE. for 0.55 mi t between power poles No. 221 and No. 223, t	to point midway thence turn		TIER 2	20 1	
	left and go N. across country to two large trees and station site; in top of concrete projecting 0.3 ft; Corps of Engineers disk "BM R-20 1948"	e mesquite e post		(USGS Levelin		
	No horizontal position Not paneled	1142.09	Q-20 1	50 ft W. of powerline; G.1 projecting 1.2 ft; in cent white panel.	L.O. 1/16 cor. iron ter of 6- by 6-foot	n pipe ; square
R1-20 USGS	80 ft S. of surveyed rd. R.O.W.; 3/8-in. x 0.3 ft; in center of 6- by 6-foot square w	od projecting		**	Pipe Elev Panel Elev	v. 1136.86 v. 1135.7
	Rod Ele Panel Ele	ev. 1144.27 ev. 1144.0	Q1-201	A 3/8-in. rod projecting white panel.	0.3 ft; in center o	of 6- by 6-foot

40 ft S. of surveyed rd. R.O.W.; 3/8-in. rod projecting 0.3 ft; in center of 9- by 9-foot square white panel.

Rod Elev. 1146.24 Panel Elev. 1145.9

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STATION	DESCRIPTION ELEVATION PLANE COORDINATES (feet)	STATION DESCRIPTION ELEVATION PLANE COORDINATES (feet)
Q1-201	A 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.	R1-202 About 320 ft S. of powerline; 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.
	Rod Elev. 1138.82 Panel Elev. 1138.5	Rod Elev. 1143.39 Panel Elev. 1143.1
Q3/4-201	A 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.	R½-20½ About 350 ft N. of powerline pole No. 22-8; in center of sec. 32; G.L.O. Cl/4 cor. pipe projecting 1.0 ft; in center of 9- by 9-foot square white panel.
	Rod Elev. 1140.98 Panel Elev. 1140.7	Pipe Elev. 1147.18 Panel Elev. 1146.2
R-201	130 ft N. of power pole 22-3; 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.	R3/4-20 27 ft E. of 1/16 cor. iron pipe; 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.
	Rod Elev. 1142.04 Panel Elev. 1141.7	Rod Elev. 1147.93 Panel Elev. 1147.6
R1-201	9 ft S. of 1/16 cor. iron pipe; 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel. Rod Elev. 1144.59	S-20½ 16 ft N. of dim rd.; G.L.O. 1/4 cor. iron pipe projecting 1.2 ft; in center of 9- by 9-foot square white panel.
R] -201	Panel Elev. 1144.3 240 ft SE. of 1/16 cor. iron pipe, 3/8-in. rod	Pipe Elev. 1151.09 Panel Elev. 1149.9
. ~ .	projecting 0.3 ft; in center of 6- by 6-foot square white panel. Rod Elev. 1147.56	TIER 20 3/4
	Panel Elev. 1147-30	(USGS Leveling, 1965)
R3/4-201	A 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.	Q-20 3/4 On powerline right-of-way; 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.
	Rod Elev. 1148.67	Rod Elev. 1131.07 Panel Elev. 1130.8
s-20 1	A 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.	Q1-20 3/4 About 300 ft E. of Maricopa Highway; 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.
	Rod Elev. 1149.06 Panel Elev. 1148.8	Rod Elev. 1133.41 Panel Elev. 1133.1
	TIER 20½ (USGS Leveling, 1965)	Q2-20 3/4 5 ft W. of 1/16 cor. iron pipe (rusted off); 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.
P-201	A G.L.O. 1/4 cor. iron pipe projecting 0.7 ft; in center of 9- by 9-foot square white panel.	Rod Elev. 1136.30 Panel Elev. 1136.0
	Pipe Elev. 1122.77 Panel Elev. 1122.1	Q3/4-20 3/4 A 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.
P½-20½	At center of sec. 36; G.L.C. Cr cor. iron pipe projecting 0.7 ft; in center of 9- by 9-foot square	Rod Elev. 1139.67 Panel Elev. 1139.4
	white panel. Pipe Elev. 1127.46 Panel Elev. 1126.8	R-20 3/4 A 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.
Q-20}	About 65 ft W. of powerline; 3/8-in. rod projecting	Rod Elev. 1141.67 Panel Elev. 1141.4
	O.3 ft; in center of 9- by 9-foot aquare white panel. Rod Elev. 1130.96 Panel Elev. 1130.7	Rt-20 3/4 54 ft E. of rd.; 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.
Q <u>t</u> -20 }	About 100 ft E. of Maricopa Highway; 3/8-in. rod	Rod Elev. 1143.17 Panel Elev. 1142.9
44 - 42	projecting 0.3 ft; in center of 6- by 6-foot square white panel.	R½-20 3/4 A 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.
	Rod Elev. 1139.51 Panel Elev. 1139.2	Rod Elev. 1144.75
Q½-20⅓	At center of sec. 31; G.L.O. Ct cor. iron pipe projecting 0.3 ft; in center of 9- by 9-foot square white panel.	R3/4-20 3/4 About 175 ft W. of power pole No. 23-2; G.L.O. 1/16 co iron pipe projecting 0.5 ft; in center of 6- by 6-foot
	Pipe Elev. 1139.46 Panel Elev. 1139.2	square white panel. Pipe Elev. 1147.55 Panel Elev. 1147.1
Q3/4-201	7 ft SW. of 1/16 cor. (rusted off) iron pipe; 3/8-in. rod projecting 0.5 ft; in center of 6- by 6-foot square white panel.	S-20 3/4 About 500 ft N. of power pole No. 23-4; G.L.O. 1/16 corriron pipe projecting 0.5 ft; in center of 6- by 6-foot
	Rod Elev. 1142.25 Panel Elev. 1141.8	square white panel. Pipe Elev. 1150.51
R-20½	A 3/8-in. rod projecting 0.3 ft; in center of 9- by 9-foot square white panel.	Panel Elev. 1150.0
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STA	TION DESCRIPTION PLANE COORDINATES	ELEVATION (feet)	STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)
G- 2:	TIER 21 T. 2 S., R. 2 E., near SW. cor To reach from post office at I black top rd. for 6.05 mi to e continue on graveled rd. for 0 take right fork and go SSE. fo Santa Cruz Wash, thence continu thence take left fork for 0.15 thence turn left on trail and Cruz Wash, thence continue SE 150 ft to trail fork at top of and go 0.7 mi SE. to Indian ce	aveen, drive S. on and of pavement, thence on 3.15 mi to rd. forks, thence or 3.15 mi to bridge over nue for 0.05 mi to rd. fork, mi to trail E. at wash, follow about 200 ft to Santa c. on trail for another bank, thence turn right	P-21	T. 3 S., R. 3 E., near NW. corr To reach from SP RR. crossing i on hwy. toward Phoenix for 11.0 County line, thence turn left co.1 mi to fork, thence take left fork, thence take left fork and trail, thence continue W. on training mesquite tree on S. side left and follow dim tracks SW. bush and station site; at NW. ein top of concrete post project Engineers disk stamped "EM P-2 X = 471,060.66 Y = 801,706.	in Maricopa, drive N. 5 mi to Pinal-Maricopa in track rd. and go it fork and go 0.2 mi to i go 0.2 mi to cross rack rd. for 0.5 mi to of trail, thence turn for 0.25 mi to isolated edge of isolated bush; ing 0.5 ft; Corps of 11 1948
	SE. on main trail for 0.9 mi t left of row of trees and conti isolated clump of trees on rig trail and go ENE. across count and station; in center of blac of concrete post projecting 0. disk stamped "TT G-21 1948" (o pipeline, thence stay nue SE. 0.85 mi to ht, thence turn left off ry for 0.4 mi to panel k asphalt panel; in top	P-21 Panel USGS	Horizontal position and elevati 22 ft SW. of station P-21; cent white panel, with two 3- by 12- identification.	ton by USGS in 1965. For of 9- by 9-foot square foot wing panels for
	1965)	NOC VIBICED BY ODGS IN	• • •	X = 471,053.18 $Y = 801,685.$.05 1124.4
	X = 434,290.82 $Y = 802,155$		P1-21 USGS	A 3/8-in. rod projecting 0.3 ft 9- by 9-foot square white panel	
G-21 Pane AMS	el			No horizontal position establis	
J-21	sec. 6. To reach from St. Joh S. on 51st Avenue for 1.3 mi t left fork and go 2.4 mi to pow turn right on powerline rd. an cross trail, thence turn left panel and station. In center	ns Indian School, drive ord. fork, thence take erline crossing, thence d go SE. for 4.0 mi to and go about 400 ft to of black and white	2- 21	T. 3 S., R. 4 E., about 650 ft sec. 6. To reach from junction and Williams Field Road, drive for 7.3 mi to Maricopa-Pinal Co site; 36 ft WNW. of centerline concrete post projecting 0.5 ft stamped "TT Q-21 1962 ARMY MAP	S. on Maricopa Highway ounty line rd. and station of hwy.; in top of ;; Corps of Engineers disk
	panel; in top of concrete post of Engineers disk stamped "J-2 USGS in 1965)	1 1948" (Not visited by		X = 476,668.00 $Y = 801,966$.10 1134.92
	X = 445,426.52 $Y = 801,920$.24 1082.8	Q-21 Panel	Centered over station mark; 6- panel in center of 12- by 12-fo	
J-21 Pane		cross-target panel.	USGS	Same horizontal position as sta	ation mark 1134.4
2MA	Same horizontal position as st		Q1-21 USGS	54 ft N. of rd.; 45 ft W. of dr 0.3 ft; in center of 6- by 6-fo	ain; 3/8-in. rod projectin
L-21	T. 2 S., R. 3 E., near SW. comfrom post office in Laveen, go 6.05 mi to end of pavement, the rd. 0.3 mi to rd. fork, thence SE. on graded rd. for 6.15 mi to E. (at station K-20), thence through heavy brush and go 1.3! lone tree, thence turn right at to panel and station; 36 ft E. black and white panel; in top	S. on black top rd. for ence continue on graveled take left fork and go to where rd. makes band e turn right on rd. SE. 5 mi to T- trail SW. at nd go S. about 400 ft of trail; in center of	Q}-21 UŠGS	No horizontal position establis A G.L.O. 1/4 cor. iron pipe pro of 9- by 9-foot square white pa No horizontal position establis	Panel Elev. 1135.4 ojecting 0.4 ft; in center nel.
	projecting 0.3 ft; Corps of Eng "L-21 1948" (Not visited by US	gineers disk stamped SS in 1965)	Q3/4-21	A G.L.O. 1/16 cor. iron pipe pr	ojecting 1.0 ft; in center
L-21	X = 455,217.32 $Y = 802,332$. Center of black and white cross		USGS	of 6- by 6-foot square white pa	
Pane AMS				No horizontal position establis	Panel Elev. 1138.6
M-21	T. 3 S., R. 3 E., near NW. correach from post office at Laver d. for 6.4 mi to rd. fork, the follow main rd. for 6.15 mi to right on track rd. and go SE. 1 area at drain, thence turn left N. side of drain for 0.6 mi to site; in center of small sand concrete post projecting 0.3 ft disk stamped "M-21 1948"	en, drive S. on black top ence take left fork and bend to E., thence turn for 1.75 mi to heavy brush t and follow dim trail on clearing and station clearing; in top of	R-21	T. 2 S., R. 4 E., about 0.1 mi To reach from junction of Maric Pield Road, drive S. on Maricop powerline crossing, thence turn rd. SE. for 0.75 mi to cross ro go S. along trail for 0.4 mi to left fork SE. for 0.1 mi to tra fork for 0.05 mi to station sit trail; in top of concrete post of Engineers disk stamped "BM R	copa Highway and Williams as Highway for 6.15 mi to a left and follow powerline and, thence turn right and trail fork, thence take all fork, thence take left ce on left; 18 ft ENE. of
	X = 460,304.91 Y = 801,420. Horizontal position by USGS in	.42 1102.7		X = 481,164.51 $Y = 802,479$. Position by USGS in 1965.	79 1139.78
M-21 Pane	Centered over station mark; 6-panel.		R-21 Panel USGS	Centered over station mark; 9-panel.	by 9-foot square white
USGS	Same horizontal position as sta	ation mark 1102.4		Same horizontal position as sta	tion mark 1139.4
N-21	reach from SP RR. crossing in M	T. 2 S., R. 3 E., near SW. corner of sec. 35. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 10.0 mi to crossroads, thence		About 0.1 mi S. of station R-21 pipe projecting 0.4 ft; in cent square white panel, with two 3-S. and E.	er of 9- by 9-foot
	continue N. on rd. for 1.3 mi t right; about 180 ft E. of rd.; projecting 0.5 ft; Corps of Eng "TR N-21 1948"	o panel and station on		No horizontal position establis	hed.Pipe Elev. 1140.53 Panel Elev. 1140.1
	x = 465,668.11 $y = 802,289$.		R1-21 USGS	A 3/8-in. rod projecting 0.4 ft 6- by 6-foot square white panel	
N-21		arget panel.		No horizontal position establis	hed. Rod Elev. 1141.98
Panel					Panel Elev. 1141.6

ST	ration	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)	STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)
	-21 5 08	18 ft W. of G.L.O. 1/4 cor.; 3/8-1 0.3 ft; in center of 9- by 9-foot	square white panel.	Y-21	T. 2 S., R. 5 E., near SE. corn To reach from junction of State (7.0 mi S. of Chandler), go S.	Highways 87 and 93
		No horizontal position established	. Rod Elev. 1144.48 Panel Elev. 1144.2		cross road and station site; 65 ll ft N. of centerline of EW. centerline of NS. ditch: 2 ft	o w. for 1.0 mi to ft Nw. of intersection; ditch; 10 ft W. of
	3/4-21 SGS	48 ft W. of dim rd.; G.L.O. 1/16 c projecting 1.5 ft; in center of 6-white panel.			pole; in top of concrete post p Corps of Engineers disk stamped "TT Y-21 RESET AMS 1953"	rolecting 0 2 ft.
			Pipe Elev. 1147.59		X = 517,992.25 $Y = 801,681$.	59 1201.48
		•	Panel Elev. 1146.1	Y-21 Panel	About 28 ft W. of station Y-21; square white panel.	center of 12- by 12-foo
S-	-21	T. 3 S., R. 4 E., near NW. corner reach from junction of Maricopa Hi Field Road, drive S. on Maricopa H	ghway and Williams	TSGS .	x = 517,964.58 $y = 801,683$.	24 1200.4
		to powerline crossing, thence turn powerline rd. SE. for 1.9 mi, then go SW. across country for 0.1 mi t In center of black and white panel post projecting 0.3 ft. Corps of E	o panel and station. : in top of concrete		TIER 21½ (USGS Leveling, 19	
-		post projecting 0.3 ft; Corps of E stamped "TT S-21 1948"		P-211	A 3/8-in. rod projecting 0.3 ft	: in center of
		X = 486,528.35 $Y = 801,964.77$	1148.37	-	9- by 9-foot square white panel	•
	21 inel	The center of black and white cross				Rod Elev. 1126.30 Panel Elev. 1126.0
An		Same horizontal position as station	mark. 1140.1	P-21-	At center of sec. 1; 12 ft N. of	f mustod acc a 7 a duam
T-	21	T. 3 S., R. 4 E., about 0.15 mi W. sec. 4. To reach from junction of	Maricopa Highway	1	pipe; 3/8-in. rod projecting 0.3 9- by 9-foot square white panel.	3 ft: in center of
		and Williams Field Road, drive S. for 6.15 mi to powerline crossing, and follow powerline rd. SE. for 3	thence turn left O mi to NS.	: .		Rod Elev. 1127.72 Panel Elev. 1127.4
•		trail, thence turn left and go N. fork in alkali flat, thence take le	of 0.3 ml to rd.	Q-21	80 ft W. of Maricopa Highway; 40	
		for 0.25 mi to station site on left flat; 21 ft SW. of trail; in top of projecting 0.4 ft; Corps of Engine "BM T-21 1948"		:	No. 6; 3/8-in. rod projecting 0. 9- by 9-foot square white panel.	3 ft: in center of
		X = 491,033.66 Y = 802,172.79 Horizontal position by USGS in 1969	1157.70			Rod Elev. 1131.74 Panel Elev. 1131.4
	nel	Centered over station mark; 6- by 6 panel, with three 3- by 12-foot wir	5-foot square white	63-513	At center of sec. 6; G.L.O. C1/4 projecting 0.4 ft; in center of white panel.	cor. iron pipe 9- by 9-foot aquare
US	83	Same horizontal position as station	mark 1157.3			nd many aske es
U-2	21	T. 3 S., R. 4 E., near NW. corner of	₹ sen 2			Pipe Elev. 1140.01 Panel Elev. 1139.6
02		To reach from junction of State Highways 87 and 93 (7.0 mi S. of Chandler), drive S. on Highway 93 for 0.8 mi to T-rd. W., thence turn right and go W. for 3.0 mi, thence jog S. for 0.2 mi, thence continue W.			A G.L.O. 1/4 cor. iron pipe proj of 9- by 9-foot square white pan	ecting 0.7 ft; in center
		along powerline for 0.3 mi to crossroads, thence turn				Pipe Elev. 1143.73 Panel Elev. 1143.0
		right and go NE. for 0.8 mi to pan 40 ft NW. of trail; in center of pa concrete post; Corps of Engineers d "TR U-21 1948" (Not visited by USO	nel; in top of	$R_{\frac{1}{2}}^{\frac{1}{2}}$	At N. edge of dry lake; 3/8-in. in center of 9- by 9-foot square	rod projecting 0.3 ft;
		x = 498,299.80 $y = 800,710.83$	1167.81			Rod Elev. 1146.16
ŭ-2		Center of black and white cross-tar	get panel.			Panel Elev. 1145.9
Pan		Horizontal position and elevation s	ame as station mark.	S-21½	A G.L.O. 1/4 cor. iron pipe project 9- by 9-foot square white pane	ecting 0.6 ft; in center el.
W-2	21	T. 2 S., R. 4 E., near SE. corner of To reach from junction of State Hig (7.0 mi S. of Chandler), go S. on H	hways 87 and 93			Pipe Elev. 1153.28 Panel Elev. 1152.7
		to cross road, turn right and go W. NS. rd. and station site; NW. of	for 3.0 mi to		TIER 22	4
		of centerline of NS. rd.; at E. at S. edge of ditch E.; in top of c	edge of NS. ditch; oncrete abutment;	L-22	77 2 C D 2 D	
		Corps of Engineers disk stamped "TT X = 507,403.03 Y = 801,513.98		1 -22	T. 3 S., R. 3 E., near NW. corner To reach from SP RR. crossing in hwy. toward Phoenix for 7.0 mi to	Maricona, drive N. on
W-2	21	Located 57 ft SW. of station W-21;	1183.15		rd. fork, thence take right fork a	go W. for 1.05 mi to and go 2.95 mi to trail
Pan USG		12- by 12-foot square white panel.	1181.8		leading N., thence turn right and for 0.7 mi to NW. end of dyke, t country to S. bank of Gila River	thence go N. across and station site: on
X- 2	1	X = 507,378.73 Y = 801,462.11 T. 2 S., R. 5 E., near SE. corner o.	• •		54 ft W. of another lone tree; in projecting O.1 ft: Corps of Engin	ft E. of lone tree;
_		To reach from junction of State Hig (7.0 mi S. of Chandler), go S. on H thence turn right and go 2.0 mi W.	hways 87 and 93 ighway 93 for 0.1 mi,		X = 455,085.76 $Y = 796,572.12$	1087.4
		station site; 30 ft N. of centerline of EW. rd.; 11 ft W. of centerline of rd. N.; 3 ft NW. of fence corner; in top of concrete post projecting 0.3 ft; Corps		L-22 Panel	Horizontal position by USGS in 19 Centered over station mark; 6- by panel.	
		of Engineers disk stamped "TT X-21		USGS	Same horizontal position as stati	on mark. 1087.3
	X-21	X = 512,714.95 Y = 801,581.34 On E. side of NS. rd.; centerline	1193.54 of ditch E. at		Populati de Bratt	2001.3
AMS		point of disappearance. $X = 512,734.57$ $Y = 801,592.97$	1192.7			
			· ·			

STATION	DESCRIPTION PLANE COORFINATES	ELEVATION	STATION	DESCRIPTION ELEVATION (Feet)
M-22	T. 3 S., R. 3 E., near SW. corner of To reach from SP RR. crossing in Maron hwy. toward Phoenix for 9.9 mi to thence turn left and go 1.75 mi to wito bend N., thence leave main rd. and to cross road, thence turn left for	copa, drive N. cross road, nere rd. begins n go W. O.l mi O.l mi to another	R-22	T. 3 S., R. 4 E., near SW. corner of sec. 5. To reach from SP RR. crossing in Maricopa, drive N. on hwy toward Phoenix for 9.9 mi to cross road, thence turn right and go E. for 1.1 mi to rd. S. and station 'site; 47 ft N. of centerline of main rd.; 20 ft E. of
	cross road, thence turn right and go W. for 0.9 mi to fork, thence take left fork and go 350 ft to cross road, thence turn left and go S. for 300 ft to crosstrails and station site; on W. edge of trail; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "M-22 1948"		See	post projecting 0.6 ft; Corps of Engineers disk stamped "BM R-22 1948" x = 481,267.32 Y = 796,732.14 1143.17 Horizontal position by USGS in 1965.
	X = 460,544.52 Y = 797,295.42 Horizontal position by USGS in 1965.	1103.2	R-22 Panel USGS	18 ft S. of station mark; center of 9- by 9-foot square white panel. (There are wing panels NE. and NW.)
M-22 Panel	Centered over station mark; 6- by 6-i panel.	oot square white		x = 481,268,92
USGS	Same horizontal position as station r	nark 1102.8	USGS	N. of rd.; 3/8-in. rod projecting 0.3 ft; in center of 9- by 9-foot square white panel.
N- 22	T. 3 S., R. 3 E., near SW. corner of To reach from SP RR. crossing in Marion hwy. toward Phoenix for 9.9 mi to thence turn left and go 1.8 mi to custation site; at N. end of curve; 42 centerline of main rd.; 31 ft E. of c NS. secondary rd.; in top of concro.3 ft; Corps of Engineers disk stamp	copa, drive N. cross road,	S-22	from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 9.9 mi to cross road, thence turn right and go F. for 2.2 mi to trail N. and station site.
	0.3 ft; Corps of Engineers disk stamp X = 465,520.64 Y = 797,261.01	1120.64		35 ft N. of centerline of main rd.; 7 ft E. of trail; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "TT S-22 1948"
N-22 Panel	Centered over station mark; 6- by 6-1	oot square white	* . A.	x = 486,973.21 Y = 796,721.89 1154.42
USGS	Same horizontal position as station m	ark 1120.3	S-22 Panel	Centered over station mark; 9- by 9-foot square white panel, with two 3- by 12-foot wing panels W. and N.
V-273 C&GS BM	T. 3 S., R. 3 E., about 0.25 mi W. of sec. 2. To reach from SP RR. crossif drive N. on hwy. toward Phoenix for Site on right; about 0.35 mi W. of st 67 ft N. of centerline of rd; in top projecting 0.3 ft; USC&GS standard di V 273 1948"	g in Maricopa, .9 mi to cross l.l mi to station ation P-22; of concrete post	USGS T-22	Same horizontal position as station mark 1154.0 T. 3 S., R. 4 E., near SW. corner of sec. 3. To reach from SP RR. crossing in Maricopa, drive N. on hey. toward Phoenix for 9.9 mi to cross road, thence turn right and go E. for 3.1 mi to dim NS. trail and station; 33 ft N. of centerline of main rd.; 6 ft E. of
· .	X = 469,455.08 Y = 796,750.49 Horizontal position triangulated by A	1125.39 MS in 1962.	. • •	trail; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "BM T-22 1948" X = 491,799.48 Y = 796,720.05 1161.96
V-273 Panel USGS	Centered over station mark; small whi each wing panel of cross-target is 3- oriented in approximately cardinal di	by 12-foot,	T-22 Panel	Horizontal position by USGS in 1965. Centered over station mark; 6- by 6-foot square white panel.
** /	Same horizontal position as station m		USGS	Same horizontal position as station mark 1161.6
P-22	T. 3 S., R. 3 E., near SW. corner of To reach from SP RR. crossing in Mari on hwy. toward Phoenix for 9.9 mi to turn left and go W. for 0.8 mi to pan right; about 110 ft N. of rd.; in cen panel; in top of concrete post projec Corps of Engineers disk stamped "TT P	copa, drive N. cross road, thence el and station ter of permanent	U-22	T. 3 S., R. 4 E., near SE. corner of sec. 3. To reach from junction of State Highways 87 and 93 (7.0 mi S. of Chandler), drive S. on Highway 93 for 0.8 mi to cross road, thence turn right and go 3.0 mi to NS. rd., thence turn left for 0.2 mi, thence turn right and continue W. for 2.0 mi to powerline crossing and station site; 51 ft NE. of T-rd. S.; 36 ft N. of centerline of
n 22	X = 471,156.80 Y = 796,786.91	1128.82		main EW. rd.; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "TT U-22 1948"
P-22 Panel AMS	Centered over station mark; black and cross-target panel.		U -2 2	x = 497,115.51 Y = 796,710.88 1171.72 Centered over station mark; 6- by 6-foot square white
	Same horizontal position as station m		Panel USGS	panel. Same horizontal position as station mark 1171-3
P i -22 USGS	57 ft N. of centerline of rd.; 3/8-in 0.3 ft; in center of 9- by 9-foot squ	. rod projecting are white panel.	PP U-22 AMS	Centerline of EW. rd. at intersecting centerline of secondary rd. S. (T-rd. S.)
	No horizontal position established. R	od Elev. 1133.03 el Elev. 1132.7		X = 497,079.5 $Y = 796,675.4$ 1170.7
Q-22	T. 3 S., R. 3 E., about 0.15 mi W. of sec. 12. To reach from SP RR. crossi	ng in Maricopa,		TIER 23
	drive N. on hwy. toward Phoenix for 9 roads and station; 37.5 ft E. of cent 22.5 ft S. of centerline of EW. rd. telephone pole; in top of concrete po 0.4 ft; Corps of Engineers disk stamp "TT Q-22 1962 ARMY MAP SERVICE"	erline of hwy.; ; 4.7 ft W. of st projecting	7-23	T. 3 S., R. 2 E., near SE. corner of sec. 10. To reach from post office in Laveen, drive S. on black top rd. for 6.3 mi to rd. fork, thence take right fork and go southerly, passing through Santa Cruz village, for 7.15 mi to junction with trail SE, thence turn left and go SE.
Q-22	X = 475,267.18 $Y = 796,664.32$	1136.74		southerly for 0.3 mi to panel and station site; 84 ft W. of trail: in center of black and white panel; in top of
Panel USGS	Located 57 ft S. of station mark; cen 9- by 9-foot square white panel.			concrete post projecting 0.1 ft; Corps of Engineers disk stamped "G-23 1948" (Not visited by USGS in 1965)
	x = 475,277.78 $y = 796,608.46$,	G-23	x = 433,395.53 Y = 791,522.35 1080.50 Centered over station mark; black and white cross-target
Q날-22 USGS	On S. side of rd.; 3/8-in. rod projectenter of 9- by 9-foot square white parts of the square whi	ting 0.3 ft; in anel.	Panel AMS	panel.
		od Elev. 1137.93 el Elev. 1137.6		Same horizontal position as station mark 1080.4

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STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)	STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)
U-24	T. 3 S., R. 4 E., near SW. corner of sec. 14 To reach from \$P RR. crossing in Maricopa, 6 on hwy. toward Phoenix for 5.0 m it o paved r thence turn right and go 5.45 mi to cross return left and go N. for 3.0 mi to cross ration site; 10 ft E. of centerline of NS 9 ft N. of cross trail; in top of concrete powith ground; Corps of Engineers disk stamped TT U-24 1948 RESET AMS 1956"	drive N. d. E., oad, thence and t. rd.; ost flush	क्षी है। • क्षी कर • क्षी	Butte, and on W. side of Santa Cruz Wa butte; cemented in outcropping bedrock disk stamped "TR N-25 1948 RESET 1952"	ec. 27. opa, drive N. ross road on E. s: SW. on S. side of n W. side of Pima
	X = 497,086.86 $Y = 786,294.47$	1156.66	N-25	X = 465,170.84 Y = 780,320.05 Centered over station mark; 12- by 12-	1161.35
U-24 Panel	Centered over station mark; 6- by 6-foot squ panel.	are white	Panel USGS	panel.	root square white
USGS	Same horizontal position and elevation as at	ation mark.	. :	Same horizontal position and elevation	as station mark
	TIER 25	. :	P-25	T. 3 S., R. 3 E., about 0.2 mi ESE. of sec. 25. To reach from SP RR. crossing drive M. on hwy. toward Phoenix for 6.	z in Maricone.
Q-2 5	T. 3 S., R. 2 E., near SE. corner of sec. 22 To reach from post office in Laveen, go S. o top rd. for 6.4 mi to rd. fork, thence take fork and go SSE, passing through Santa Cruz for 8.6 mi to junction with track rd. from N turn left and go NE. 0.3 mi to cross trail, right and go S. for 1.0 mi to station site o about 150 ft W. of trail; in center of perma panel; in top of concrete post projecting O. Corps of Engineers disk stamped "0-25 1949"	n black right village, E., thence thence turn n right; nent 3 ft;		taking right fork for 0.2 mi to teleph thence turn left and go S. along teleph thence turn left and go S. along teleph the for the form of the form of the first war of pole No. 215; in top of conc. 0.4 ft; Corpe of Engineers disk stamped X = 471,738.78 Y = 780,551.10 X = 471,738.78 Y = 780,551.10 Horizontal position by USGS in 1965. Centered over station mark; 6- by 6-for panel.	turn left, one line crossing, none line rd. for none line rd.; 90 rete post projecti i "P-25 1948" 1136.12 ot square white
	visited by USGS in 1965)	14	4 .:	Same horizontal position as station man	rk 1135.7
G-25	X = 433,180.78 Y = 780,899.06 Centered over station mark; black and white	1174.76;	Q- 25	T. 3 S., R. 3 E., near SE. corner of se	c. 24.
Panel AMS	target panel.	CIOSA-		To reach from SP RR. crossing in Marico hwy. toward Phoenix for 6.7 mi to cross turn right and go 0.7 mi E. to powerlin	road, thence
	Same horizontal position as station mark			turn left and go N. along powerline for thence turn left and go O.1 mi to fork, fork for about 150 ft to panel and stat	thence take rig
J- 25	T. 3 S., R. 2 E., near NE. corner of sec. 25 To reach from post office at Laveen, go S. o top rd. for 6.4 mi to rd. fork, thence take and go SSE, passing through Santa Cruz vill. crossing pipeline, for 7.8 mi to junction wi	n black right fork age and th rd.	12 4 34 20 12 4 3 1 2	panel; in top of concrete post projecti of Engineers disk stamped "TT Q-25 1948 X = 475,644.41 Y = 781,584.22	ng 0.3 ft; Corps
	from E., thence turn left and go E. for 0.9 group of houses to corral, thence bear left corner of corral, thence go SE. for 1.7 mi tork, thence take left fork and continue SE.	around NE. o trail	Q-25 Panel ANS	centered over station mark; black aspha panel.	lt cross-target
*** .	to fork, thence take right fork for 0.1 mi to thence take right fork and go S. for 0.5 mi	to T-rd.,		Parameter and the second	to the
	thence turn left and go E. for 0.1 mi, thence left and go N. across country for 0.4 mi and site; in center of permanent panel; in top or post projecting 0.3 ft; Corps of Engineers distamped "TR J-25 1948 RESET AMS 1953" (Not by USGS in 1965)	station f concrete isk	R-25	T. 3 S., R. 4 E., near SE. corner of se To reach from SP RR. crossing in Marico hmy. toward Phoenix for 5.1 mi to paved turn right and go E. for 2.5 mi to rd. left and go N. for 2.15 mi to cross tra 31 ft W. of NS. rd.; 9 ft N. of cross	pa, drive N. on rd. E., thence N., thence turn il and station:
	X = 443,699.56 Y = 780,370.02	1094.0		concrete post projecting 0.4 ft; Corps stamped "BM R-25 1948"	of Engineers disk
J-25 Panel AMS	Centered over station mark; black painted cretarget panel.	088-		X = 481,191.66 Y = 781,330.93 Horizontal position by USGS in 1965.	1141.0
A10	Same horizontal position as station mark	1093.7	R-25 Panel USGS	Centered over station mark; 6- by 6-foo panel.	t square white
L-25	T. 3 S., R. 3 E., near SW. corner of sec. 21. To reach from SP RR. crossing in Maricopa, dr on hwy. toward Phoenix for 3.2 mi to powerling	rive N		Same horizontal position as station mark	k 1140.6
	crossing, thence turn left and go NW. on power for 3.95 mi to power pole No. 221; panel and are about 270 ft W. of powerline; in top of copost projecting 0.1 ft; Corps of Engineers distamped "TT L-25 1948"	erline rd. station concrete	\$ -2 5	T. 3 S., R. 4 E., about 0.1 mi N. of SE To reach from junction of Maricopa Righws Field Road, drive S. on Maricopa Righws cross road on E. side of Pima Butte, the go easterly on main rd. for 1.85 mi to go streight ahead (easterly) for 1.1 mi	way and Williams y for 11.2 mi to ence turn left and cross road, thence
	x = 455,493.67	1103.6		canal for 1.1 mi to panel and station:	N. on trail along
L-25 Panel AMS	Centered over station mark; black asphalt cropanel.	oss-target		trail; in small clearing; in top of conc projecting 0.3 ft; Corps of Engineers di "TT S-25 1948" (Not visited by USGS in	lsk stamped
And	Same horizontal position as station mark	1103.5		"TT S-25 1948" (Not visited by USGS in X = 486,462.16 Y = 781,457.47	1147.48
M-25	T. 3 S., R. 3 E., near SE. corner of sec. 21. To reach from SP RR. crossing in Maricopa, dr on hwy. toward Phoenix for 3.2 mi to powerlin crossing, thence turn left and go NW. on powd. for 3.4 mi to trail NE., thence turn right NE. 0.55 mi to crossroads, thence turn left f	ne .	S-25 Panel AMS	Centered over station mark; white paints panel. Same horizontal position as station mark	ed cross-target
	to fork, thence take right fork and follow di NE. for 0.3 mi to lone mesquite tree and sta on SW. edge of tree; in top of concrete post 0.5 ft; Corps of Engineers disk stamped "M-25	m trall tion site;	T-25	T. 3 S., R. 4 E., near SW. corner of sec To reach from junction of State Highways S. of Chandler), go S. on Highway 93 for road, thence turn right and go W. for 5.	87 and 93 (7.0 m 5.1 mi to cross
	X = 460,007.46 Y = 781,441.01 Horizontal position by USGS in 1965.	1113.2	:	and trail NW., thence turn left and go N. 1.0 mi 0.3 mi to cross trail, thence continue W.	W. and W. for for 0.2 mi to
M-25 Panel	Centered over station mark; 6- by 6-foot squapanel.	re white		trail N., thence turn right and go 0.5 m thence turn left and go 0.5 mi to NS. turn left and go S. for 0.5 mi to statio	i to trail W., trail, thence on on right: 13 ft
USGS	Same horizontal position as station mark	1112.7		W. of trail; in top of concrete post pro Corps of Engineers disk stamped "BM T-25	jecting 0.4 ft; 1948"
				X = 491,779.32 Y = 781,092.87 Horizontal position by USGS in 1965.	1156.6
•			T-25 Panel	Centered over station mark; 6- by 6-foot panel.	square white

ELEVATION DESCRIPTION STATION PLANE COORDINATES T. 3 S., R. 4 E., near NW. corner of sec. 26.
To reach from junction of State Highways 87 and 93
(7.0 mi S. of Chandler), go S. on Highway 93 for 5.1
mi to rd. W., thence turn right and go W. for 5.0 mi
to cross road, thence turn right and go N. for 1.0 mi
to cross road and station; 25 ft E. of centerline of
N.-S. rd.; 23.4 ft S. of centerline of rd. E.; 3.5 ft
SE. of corner fence post; in top of concrete post
projecting 0.1 ft; Corps of Engineers disk stamped
"BM U-25 1963 ARMY MAP SERVICE" U-25 1168.9 No horizontal position established. $87.5\ \mathrm{ft}\ \mathrm{NW}.$ of station mark; 12- by 12-foot square white panel. U-25 Panel USGS Panel Elev. 1169.1 No horizontal position established. Centerline of N.-S. rd. at intersecting centerline of rd. E. (position apparently obtained before old monument was destroyed) PP U-25 AMS 1168.7 x = 497,063.07Y = 780,859.29T. 3 S., R. 4 E., near NE. corner of sec. 25.
To reach from junction of State Highways 87 and 93
(7.0 mi S. of Chandler), go S. on Highway 93 for
5.1 mi to cross road, thence turn right and go W. for
3.0 mi to cross road, thence turn right and go N. for
1.0 mi to E.-W. rd. and station site; 38 ft S. of
centerline of E.-W. rd.; 20 ft W. of centerline of
rd. S.; 2 ft E. of fenceline; in top of concrete post
projecting 0.2 ft; USC&GS standard disk stamped
"N 276 1948" W-25 (C&GS BM N-276) Y = 780,844.39X = 507,604.29Located 71 ft NNE. of station; 12- by 12-foot square W-25 Panel white panel. USGS 1185.4 x = 507,625.77Y = 780.912.04T. 3 S., R. 5 E., about O.l mi NE. of SW. corner of sec. 21. To reach from junction of State Highways 87 and 93 (7.0 mi S. of Chandler), drive S. on Highway 93 for 5.1 mi to cross road, thence turn right and go W. 1.0 mi to cross road just W. of canal, thence turn right and go N. 0.9 mi to intersection of 5 trails at bank, thence take trail leading N. for 0.2 mi to station site; 75 ft W. of rd.; in center of panel; in top of concrete post projecting 0.5 ft; Corps of Engineers disk stamped "TT Y-25 1948" Y-25 x = 518,655.88Y = 781,448.11The AMS permanent asphalt panel at this station was covered with dirt and no longer clearly visible on aerial photos. An 8- by 8-foot square white temporary panel was centered over station mark by USGS in 1965. Y-25 Panel USGS Same horizontal position as station mark AMS INTERSECTED STATIONS On highest ridge in South Mountain Park; easternmost of four large TV towers; a self-supported, tapered, three-legged steel tower painted red and white, and 387 ft tall. Center of tower. KPHO TV TOWER 455,927.14 Y = 849,034.30 33° 20' 2.219" 112° 3' 39.496" X = 455,927.14

On highest ridge in South Mountain Park; second most westerly of four TV towers; tower is a self-supported, tapered, three-legged steel tower painted red and white. The overall height is 228 ft. Center of tower. KTVK TV TOWER

On highest ridge in South Mountain Park. The most westerly of four TV towers; it is a guyed triangular-shaped steel tower painted red and white. Overall height is 350 ft. Center of tower. KTAR TV TOWER

Located about 2.0 mi W. of Mesa; 600 ft N. of SP RR. tracks. A cylindrical steel tank painted black with cone roof supported by four-legged steel tower. Overall height is 75 ft. Point observed was the finial of cone roof. U. OF ARIZONA

Y = 877,657.41X = 515,820.43

WATER

TANK

STATION DESCRIPTION PLANE COORDINATES

ELEVATION

The southernmost and smaller of two tanks at Rendezvous Park in Mesa. A cylindrical steel tank with cone roof, supported by four-legged steel tower, overall height is 136 ft. Point observed was ball at top center of tank. MESA WATER TANK

x = 526.404.57

Y = 880,616.48

The northernmost and larger of two tanks at Rendezvous Park. A cylindrical steel tank with a cone roof supported by a six-legged steel tower, overall height is 136 ft. Point observed was ball at top center of tank. MESA WATER TANK NO. 2

> Y = 880,797.18X = 526,406.03

CHANDLER

Located about 0.3 mi SE. of city square of Chandler. The tank is the oldest of two water tanks in same fenced enclosure. Tank is a cylindrical steel tank with a cone roof, supported by four-legged steel tower. Overall height is about 135 ft. The center of the ball at the top center of the tank.

Y = 836,784.61 X = 524,272.34

Tank is the newest and largest of two water tanks in same fenced enclosure in Chandler. The tank has a flattened apherical-appearing shape, and is supported by an eight-legged steel tower. Overall height about 135 ft. Point is the cap on top center of tank. CHANDLER

> X = 524,250.75Y = 836,710.81

Located on N. side of Tempe, on highest point of prominent butte known as Tempe Butte. The point observed was the center of a 45 ft long cedar pole supported by a 20 ft high steel tower. TEMPE

> X = 494,375.90Y = 883,297.78

ST. JOHNS INDIAN SCHOOL

V. T.

WESTERN FEED & SEED CO. W. T.

POST

NO DESCRIPTION

X = 421,902.78 Y = 833,510.71

33° 17' 27.973" ||2° 10' 20.09\"

Located 2.5 mi W. of town of dilbert, and 0.4 mi S. of Guadalupe Road. Tank is a cylindrical steel tank with a cone roof, supported by four-legged steel tower. Overwheight is about 105 ft. Point sighted was the finial of the cone roof of tank. Overall

x = 526,083.98 Y = 858,159.31

AMS TRIANGULATION STATIONS

T. 2 S., R. 4 E., about 0.15 mi E. of center of sec. 29. To reach from SP RR. crossing in Maricopa, drive northerly on hwy. toward Phoenix for 12.4 mi to cross road, thence turight on track rd. and go easterly for 1.2 mi to cross road and station site; 19 ft S. of centerline of E.-W. rd.; 17.5 ft W. of centerline of N.-S. rd.; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "CONFER 1962 ARMY MAP SERVICE" CONFER

X = 484,813.35Y = 810.035.16

T. 2 S., R. 5 E., about 0.25 mi W. of center of sec. 31. To reach from courthouse in Chandler, drive S. on Righway 87 for 6.0 mi to rd. W., thence turn right and go W. for 2.7 mi to station on right; located midway between two large cottonwood trees; 15 ft N. of centerline of E.-W. rd.; 9 ft S. of irrigation dith; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "POST 1962 ARMY MAP SERVICE" (Not visited by USGS in 1965)

x = 508,849.00Y = 804.139.94

HARVESTER To reach from intersection of South Central Avenue and Baseline Road, drive S. into South Mountain Park for 2.6 mi to rd. forks, thence take middle fork of three and go 1.3 mi to rd. fork, thence take left fork and continue around a curve and up a long grade on Summit Drive for 3.4 mi to rd. fork, thence take right fork and go E. for 1.2 mi to end of paved rd. at island turnaround, thence go in northerly direction on trail rd. that terminates on a high rd. and station site. Station mark is a Corps of Engineers disk stamped "HARVESTER, AMS 1960" (Not visited by USGS in 1965)

X = 463.966.99Y = 852,078.76 2547.2

_____33° 20′ 32.443″ ||12° 2′ 4.771″

DESCRIPTION PLANE COORDINATES

USC&GS TRIANGULATION STATIONS

(Occupied by USGS, 1965)

GILA BUTTE

Station is located about 10.0 mi S. of Chandler, and 1.25 mi W. of State Highway 93; Just N. of Gila River, and on highest southeasternmost peak of Gila Butte; cemented in drill hole in outcropping bedrock on highest point; USC&OS standard triangulation station disk stamped "GILA BUTTE 1935"

X = 516,948.21

Y = 784,156.82

PIMA BUTTE

Station is located about 16.0 mi SW. of Chandler; about 1.0 mi W. of Phoenix-Maricopa Highway; 1.25 mi S. of Gila River; on eastern end of prominent butte; cemented in drill hole; USC&GS standard triangulation station disk stamped "FIMA BUTTE 1935"

x = 468,823.66

Y = 781,072.49

112 L 4.771

(Feet)

Centered over station mark, black and white cross-target panel.

Same position as station mark 1157.5

T. 2 S., R. 5 E., near NW. corner of sec. 7
To reach from intersection of Arizona Avenue (State Highway 87) and Germann Road S. of Chandler, drive W. on Germann Road for 3.0 ml to junction with Price Road and station site. Station mark is located in SE. corner of intersection; 66 ft E. of centerline of Price Road; 37 ft S. of centerline of Germann Road; in top of concrete post; Corps of Engineers disk stamped "TT W-16 1948 RESET AMS 1953" (Not visited by USGS in 1965)

On W. side of Price Road; centerline of E.-W. ditch at culvert headwall.

x = 507,269.41 y = 827,858.76 1181.5

x = 507,360.25 y = 627,658.68

DESCRIPTION PLANE COORDINATES

STATION

T-16 Panel AMS

W-16

PP W-16 .

STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)
J-15	T. 1 S., R. 3 E., near SW. corm To reach from intersection of Se and Baseline Road, go W. along i 5.55 mi to 51st Avenue (Lateral top rd. for 6.0 mi to crossroad turn left and go E. on graded di curve in rd. and station site. NME. of G.L.O. section corner pi center of white panel; in top of 0.8 ft above ground; Corps of Er TT J-15 1948	outh Central Avenue Baseline Road for 17); go S. on black s at St. Johns Mission; irt rd. for 4.1 mi to
J-15 Panel	x = 444,590.73 Y = 833,316.4 33 17 26.540 112 White cross-target panel centers Same position as station mark	5. 52.796 dover station mark.
AMS		1152.6
Q-15	T. 2 S., R. 3 E., near SE. corne To reach from intersection of Se Drive (South 56th Street), go S. at Williams Field Road, turn rig to rd. S., turn left and go S. f E. and station site. Station is centerline of NS. rd.; 16 ft S gate; 17 ft NE. of electric pump pole; 2.5 ft SW. of fence corner post flush with ground; Corps of "TT Q-15 1948 RESET AMS 1953" (N 1965)	er of sec. 36. seline Road and Highline .on 55th Street to end that and go W. for 2.0 mi for 1.0 mi to curve to .located 19 ft W. of EE. of irrigation control .g. 9.9 ft NNW. of power .g. in top of concrete .g. Engineers disk stamped .g. by the stamped of the
	x = 475,562.48 $Y = 833,321.6$	1168.5
PP Q-15	The NW. end of ditch, at centerl	ine
AMS	x = 475,488.44 Y = 833,282.9	1168.0
S-15	T. 1 S., R. 4 E., near SE. corne To reach from intersection of Ba Drive (South 56th Street), drive Williams Field Road, turn left f (Maricopa Highway); turn right a start of curve in hwy. and stati located 28 ft W. of centerline of 5.6 ft W. of centerline of ditch post set 1.0 ft below surface of disk stamped "TT S-15 1960 ARMY visited by USGS in 1965)	r of sec. 32. seline Road and Highline 5. for 5.0 mi to or O.1 mi to T-rd. S. nd go S. for 1.0 mi to on site. Station mark is f hwx; 25 ft N. of ditch; N.; in top of concrete ground; Corps of Engineer MAP SERVICE" (Not
	x = 485,979.98 Y = 833,308.5	3 1153.45
PP S-15	Intersecting centerline of NS.	hwy. and EW. ditch
ZMS	x = 486,007.56 Y = 833,284.2	
x-15	T. 1 S., R. 5 E., near SE. corne Located at intersection of Pecos 20 ft N. of centerline of Pecos centerline of Dobson Road; 11 ft EW. ditch; 3 ft SW. of telepho concrete post flush with ground intersection; Corps of Engineers "TT X-15 1948" (Not visited by	r of sec. 31. Road and Dobson Road; Road; 21 ft W. of S. of centerline of ne pole; in top of and level with disk stamped USGS in 1965)
	x = 512,543.60 Y = 833,522.7	8 1196.0
PP X-15 AMS	On W. side of NS. rd., centerl headwall of culvert.	ine of EW. ditch at
	x = 512,545.21	9 1195.4
	TIER 16	
5-16 ,	T. 2 S., R. 4 E., near SE. corne. To reach from junction of Marico, Pield Road, drive S. on hwy. for of EW. track rd., turn left an for 0.25 mi to intersection of N. E. for 0.1 mi to track rd. inter- Station mark is 7 ft E. of cente: 8.5 ft N. of centerline of EW. concrete post projecting 0.3 ft. Engineers disk stamped "TT S-16"	d go ENE. on track rd.
	USGS in 1965)	St. A. I.

x

PP S-16

T-16

E. and station site. Station is located 19 ft W. of		B 2 C B 5 F				
centerline of NS. rd.; 16 ft SE. of irrigation control gate; 17 ft NE. of electric pump; 9.9 ft NNW. of power pole; 2.5 ft SW. of fence corner; in top of concrete post flush with ground; Corps of Engineers disk stamped "TT Q-15 1948 RESET AMS 1953" (Not visited by USGS in 1965)	X-16	T. 2 S., R. 5 E., near SW. corner of sec. 5. To reach from intersection of Arizona Avenue (State Highway 87) and Germann hoad S. of Chandler, drive W. o Germann Road for 2.0 ml to Dobson Road and station site Station mark is located NE. of intersection; 37 ft N. o centerline of Germann Road; 26 ft E. of centerline of Dobson Road; cemented in top of concrete headwall,				
x = 475,562.48		0.6 ft higher than intersection; Corps of Engineers disk stamped "TT X-16 1946" (Not visited by USGS in 1965)				
The NW. end of ditch, at centerline		x = 512,606.81 Y = 828,012.02 1194.35				
x = 475,488.44	PP X-16	Intersecting centerline of NS. ditch and ditch W.				
C. 1 S., R. 4 E., near SE. corner of sec. 32.	AMS	X = 512,547.09 Y = 828,099.92 1192.5				
To reach from intersection of Baseline Road and Highline brive (South 56th Street), drive S. for 5.0 mi to filliams Field Road, turn left for 0.1 mi to T-rd. S. Marieopa Highway); turn right and go S. for 1.0 mi to teat of curve in hey. and station site. Station mark is located 28 ft W. of centerline of hwg; 25 ft N. of ditch; 6,6 ft W. of centerline of ditch N.; in top of concrete	-17	TIER 17 T. 2 S., R. 2 E., approximately 0.1 mi 5. of NE. corner				
ost set 1.0 ft below surface of ground; Corps of Engineer lisk stamped "TT S-15 1960 ATMY MAP SERVICE" (Not risited by USGS in 1965)		of sec. 15: To reach from Laveen, drive S. on black top rd. for 6.35 ml to rd. forks, take left fork and go SE. for 2.4 ml to powerline crossing, turn sharp left and go NW. on powerline rd. for 0.6 ml to cross trail and				
x = 485,979.98		station site. Station mark is located 26 ft SW. of				
Intersecting centerline of NS. hwy. and EW. ditch		in top of concrete post projecting 0.2 ft; Corps of Engineers disc stamped "TT G-17 1962 ARMY MAP SERVICE"				
C = 486,007.56 Y = 833,284.27 1154.1						
1. 1 S., R. 5 E., near SE. corner of sec. 31.	G-17	X = 433,942.21				
Acated at intersection of Pecos Road and Dobson Road; Oft N. of centerline of Pecos Road; 21 ft W. of enterline of Dobson Road; 11 ft S. of centerline of	Panel USGS	panel. Position same as station mark 1970.8				
:-W. ditch; 3 ft SW. of telephone pole; in top of oncrete post flush with ground and level with ntersection; Corps of Engineers disk stamped TT X-15 1948" (Not visited by USGS in 1965)	J-17	T. 2 S., R. 3 E., near SW. corner of sec. 7. To reach from crossroads at St. Johns Mistion, drive E. on graded ri. for 1.0 mi to powerline crossing, turn right and go SE. on powerline rd. for 0.65 mi to trail				
Y = 512,543.60 $Y = 833,522.78$ 1196.0		crossing, turn left and go SE. on SW. side of fence for 0.75 mi to fence corner, turn left and follow fence ME.				
h W. side of NS. rd., centerline of EW. ditch at eadwall of culvert.		for C.35 ml to fence corner, turn right and go SE. on SW. side of fence for 2.15 ml to small grove of trees and station site on left. Station mark is located 105 ft NE.				
- 512,545.21 Y = 833,533.29 1195.4		of fence; 213 ft NE. of rd.; in geometric center of black panel; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "TT J-17 1948" (Not visited by USGS in 1965)				
TIER 16						
. 2 S., R. 4 E., near SE. corner of sec. 5. o reach from junction of Maricopa Highway and Williams	J-17 Panel	x = 444,606.01 Y = 823,168.09 1071.4 33° 15' 46.109 112° 5' 50.053' 100' 100' 100' 100' 100' 100' 100' 1				
ield Road, drive S. on hwy. for 2.1 ml to intersection f EW. track rd., turn left and go ENE. on track rd. or O.25 ml to intersection of NES% track rd., continue	AMS	1071.0				
. for 0.1 mi to track rd. intersection and station site for 0.1 mi to track rd. intersection and station site. tation mark is 7 ft E. of centerline of NS. track rd.; .5 ft N. of centerline of EW. track rd.; in top of oncrete post projecting 0.3 ft above ground; Corps of ngineers disk stamped "TT S-16 1948" (Not visited by SGS in 1965)	L-17	T. 2 S., R. 3 E., near NE. corner of sec. 17. To reach from main crossroads near St. Johns Mission, drive E. on graded section line rd. for 1.9 mi to powerline crossing, turn right and go SE. on powerline rd. for 4.0 mi to cross road, turn left and go E. m trail for 0.7 mi to station site. Station is located 42 ft S. of trail and is at center of black asphalt				
= 485,752.28 Y = 828,628.28 1148.72		panel; in top of concrete post projecting 0.1 ft; Corps of Engineers disk stamped "TT L-17 1948" (Not visited				
ntersecting centerlines of track rds. (crossroads)		by USGS in 1965)				
= 485,746.93 Y = 828,619.19 1147.6	L-17	x = 454,784.16 Y = 822,858.51 1097.4 112° 3' 52.531 Geometric center of black appart, cross-target panel.				
. 2 S., R. 3 B., near NE. corner of sec. 9. o reach from intersection of Cleveland Street and rizona Avenue in Chandler, drive W. on Cleveland Street	Panel AMS	Position same as station mark 1097.3				
rizona Avenue in Chandler, drive W. on Cleveland Street which becomes Williams Field Road) for 6.0 mi to intersection of Kyrene Road, turn left and go S. for 0.0 mi, thence jog E. for 0.05 mi, continue S. for 1.0 i to station site. Station is located 59 ft W. of N8. i., in center of permanent panel; in top of concrete set projecting 0.5 ft; Corps of Engineers disk stamped TT T-16 1948" (Not visited by USGS in 1965)						
- 491,396.62 Y - 827,819.58 1158.1						

DESCRIPTION PLANE COORDINATES

	STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)	(4.5)	STATION
	H-17	T. 2 S., R. 3 E., about 0.3 m sec. 15. Station is located Butte Ranch and about 1.0 mi Station mark is in box-shaped centerline of EW. rd.; in t projecting 0.6 ft; Corps of E TT M-17 1948"	WSW. of Lone Butte; clearing; 9 ft S. of		R-17
92	H-17 Panel USGS	x = 460,252.55 Y = 821,69 33* 15' 31.784" Centered over station mark, 6 paper panel. Position same as station mark	ATTENDED TO STATE OF THE PARTY	. I	R-17
7	N-17 JACKSON	T. 2 S., R. 3 E., near NE. co To reach from intersection of Cleveland Street in Chandler, (which becomes Williams Field	Arizona Avenue and		Panel USGS
		Cleveland Street in Chandler, (which becomes Williams Field Trd. S., turn left and go S. for 0.1 mi, then continue S. turn right and go SW. on main to S. and trail N., turn shar 0.4 mi to base of butte. Pac station mark (about 15 minute hole, in bed rock outeropping Corps of Prejners disk stamp	p right and go N. on t k to top of butte and pack). Cemented in d 0.2 ft below surface:	rail rill	Ra - 17 USGS
		Corps of Engineers disk stamp "JACKSON 1935 RESET AMS 1948" in a slightly different posit 1935.)	ion from USCAGS JACKSC	set N	3-17
	N-17 Panel	x = 464,815.87	K, cross-target panel.		
	AMS	Position and elevation same as	station mark.		
	P-17	T. 2 S., R. 3 E., near SE. co To reach from intersection of Drive (South 56th Street), dr 5.0 mi to Williams Field Road 2.0 mi to T-rd. S., turn left jog E. for 0.1 mi, then conti intersection, turn right and	ive S. on Soth Street	for	S-17 Panel AMS
		Intersection, turn right and leading S. between two large site. Station is located B f of concrete post projecting O disk stamped "BM P-17 1948"	trees for 0.2 ml to st t W. of MS. trail: 1	ation n top	East of 8-17 USGS
	P-17 Panel USGS	x = 470,730.37 y = 823,24 Position and elevation determ 33° 15' 47,233" Centered over station mark, panel. There are two 3- by 1 identification	7.35 1120.83 ined by USGS in 1965. 12° 44773' - by 9-foot square whi 2-foot wing panels for	tė	T-17
		Position same as station mark	1120.3		
	Pg - 17 USGS	Located about 0.5 mi E. of st wooden hub projecting 0.1 ft; square white panel centered o	paneled with 9- by 9-	foot	
*		No horizontal position	Hub elev. 1125.46 Panel elev. 1125.4		T-17 Panel USGS
	Q-17	T. 2 S., R. 3 E., near NE. co To reach from intersection of Drive (South 56th Street), dr 5.0 mi to Williams Field Road 2.0 mi to T-rd. S., turn left jog E. for O.1 mi, then conti for 2.0 mi to station site. powerline, just SW. of G.L.O. top of concrete post projecti Engineers disk stamped "TT Q-	Baseline Road and Hig lve S. on 56th Street , turn right and go W. and go S. for 100 mi, nue S., following powe Station is on W. side section corner pipe:	for for then rline of	J-17
		x = 476,018.23 $y = 822,96$	950		
	Q-17 Panel	A 6- by 6-foot square black pasquare white panel, both cent	inel on 12- by 12-foot		U-17
	USGS	Horizontal position same as a		•	Panel USGS
	Q1 - 17 VSGS	Located about 0.5 mi E. of streinforcing rod projecting 0.39-by 9-foot square white panemark	? ft; paneled with	on.	W-17
		No horizontal position	Rod elev. 1135.04 Panel elev. 1134.8		
			5 9 %	95 11	12

R-17	T. 2 S., R. 4 E., near NE. corner of sec. 18. To reach from the intersection of Maricopa Highway and Williams Field Road, drive S. on Maricopa Highway
1.01	T. 2 S., R. 4 E., near NE. corner of sec. 18. To reach from the intersection of Maricopa Highway and Williams Field Road, drive S. on Maricopa Highway for 2.1 mi to EW. cross trails, turn right and go 0.55 mi to telephone line, turn left and go S. along telephone line rd. for 0.85 mi to telephone pole No. 475. Station mark is about 350 ft W. of telephone line; in top of concrete post projecting 0.5 ft; Corps of Engineers disk stamped "BM R-17 1948"
	X = 480,911.24 Y = 822,895.33 1135.47 Position and elevation by USGS in 1965.
R-17 Panel USGS	Centered over station mark, 9- by 9-foot square (white panel; two 3- by 12-foot yings for identification.
	Position same as station mark
R½ - 17 USGS	Located about 0.5 mi E. of station R-17; a 3/8-in. reinforcing rod projecting 0.3 ft; centered over station mark, 9- by 9-foot square white panel.
EST NO	No horizontal position Rod Elev. 1141.80 Panel Elev. 1141.5
3-17	T. 2 S., R. 4 E., about 0.25 ml W. of NE. corner of sec. 17. To reach from intersection of Maricopa Highway and Williams Field Road, drive S. on Maricopa Highway for 2.5 ml to rd. SE. by side of gravel pit, turn left and go ESE. for 0.3 ml to trail leading S., turn right and follow trail S. for 0.6 ml to station site. Station is 66 ft E. of trail and at center of black painted panel; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "TT S-17 1960 ARMY MAP SERVICE"
	x = 485,102.43
S-17 Panel	Centered over station mark; black cross-target panel.
AMS East of	Same horizontal position as station mark 1144.3
S-17 USOS	Located about 0.25 mi E. of station S-17; in open dry lake bed; station is marked by 3/8-in. reinforcing rod projecting 0.2 ft; paneled with 9- by 9-foot square white panel centered over station mark.
	No horizontal position Rod Elev. 1144.80 Panel Elev. 1144.6
T-17	T. 2 S., R. & E., about 0.2 mi W. of SE. corner of sec. 9. To reach from intersection of Maricopa Highway and William Field Road, drive S. on Maricopa Highway for 2.5 mi to rd. SE. by side of gravel pit, turn left and go SE. for 1.4 mi to intersection of cross trails and station site. Station mark is 26 ft N. of centerline of NWSE. rd. and 7 ft W. of centerline of NS. trail; in top of concrete post projecting 0.4 ft above ground; Corps of Engineers disk stamped "TT T-17 1948"
	X = 490,358.41 $Y = 823,253.73$ 1155.5
r-17 Panel USGS	6- by 6-foot square white panel, centered over station mar two 3- by 12-foot wings for identification.
	Same herizontal position as station mark 1155.1
J-17	T. 2 S., R. 4 E., near NE. corner of sec. 15. To reach from intersection of Baseline Road and Highline Drive (South 56th Street), drive S. on 56th Street for 5.0 mi to Williams Field Road, turn left and go E. for 1.9 mi to cross road, turn right and go S. for 3.1 mi to cross trail near large mesquite bush and station site. Station mark is located 45 ft E. of centerline of main NS. rd.; 12 ft W. of centerline of bulldozed drail; at S. edge of SWNE. trail; in top of concrete post projectio 0.3 ft; Corps of Engineers disk stamped "TT U-17 1948"
. 1	X = 496,161.10 Y = 822,763.77 1165.01
J-17 Panel JSGS	Centered over station mark; 12- by 12-foot square white panel.
303	Same horizontal position as station mark 1164.7
1-17	T. 2 S., R. 5 E., near SW. corner of sec. 7. To reach from intersection of Cleveland Street and Arizona Avenue in Chandler, drive W. on Cleveland Street for 3.0 mit or Price Road, turn left and go S. for 3.1 mit or T-rd. E. and station site. Station is located 36 ft RE. of intersection; 19 ft N. of centerline of EW. rd.; 30 ft E. of centerline of Price Road; 11 ft S. of centerline of ditch; in top of concrete post set flush with ground; Corps of Engineers disk stamped "TT W-17 1948"
	Y FOR ARE AS IN COR SOME AND

X = 507,383.96 Y = 822,607.54

W-17 Panel USGS Centered over station mark, 12- by 12-foot square white panel.

Same horizontal position and elevation as station mark.

1186.43

TIER 18

				TIER 18	
STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)	STATION	DESCRIPTION ELEVATION PLANE COORDINATES (feet)	
X-17	T. 2 S., R. 5 E., near NE. corner of sec To reach from intersection of Cleveland Arizona Avenue in Chandler, drive W. on Street for 2.0 mi, turn left on Dobson I S. for 3.0 mi to rd. intersection and at Station is located 100 ft S. of centorli rd.; 20 ft W. of centerline of Dobson R of SE. corner of electric pump; in top: post projecting 0.4 ft above ground; Con disk stamped "TT X-17 1948 RESET AMS 195 visited by USGS in 1953	Street and Cleveland Road and go Lation site. Ine of EW. Dad; 18 ft SE. of concrete rps of Engineers	£-18	T. 2 S., R. 3 E.; about 0.1 mi S. of NW. corner of sec. 21. To reach from Lone Butte Ranch, drive W. for 1.0 mi to T-rd. N., turn right and go N. for 0.9 mi along fence to fence corner where rd. turns W., and station site. Station mark is located 3 ft SW. of fence corner; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped TT L-18 1948	
	X = 512,610.14 Y = 822,587.04	1197.0	L-18 Panel	A 6- by 6-foot square white panel centered over station mark.	
PP X-17	At W. edge of Dobson Road, centerline of at headwall.	EW. ditch	USGS	Same horizontal position as station mark 1095.7	
	X = 512,619.54 $Y = 822,645.77$	1196.8	M-18	T. 2 S., R. 3 E., near NW. corner of sec. 22. To reach from main rd. intersection near St. Johns	
¥-17	T. 2 S., R. 5 E., near SE. corner of se To reach from intersection of Cleveland Arizona Avenus in Chandler, drive W. on Street for 1.0 mi, turn left on Alms Sch go S. for 3.0 mi to rd. intersection and Station is located 17 ft M. of centerlir and 16 ft W. of centerline of NS. rd., top of concrete headwall, 1.4 ft higher intersection; Corps of Engineers disk st "TT Y-17 1948"	Street and Cleveland nool Road and i station site. he of EW. rd., c cemented in than	1 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4	Mission, drive E. on graveled rd. for 1.9 mi to powerline, turn right and go SE. for 5.6 mi to prominent EW. ditch, continue SE. on powerline rd. for 0.4 mi to faint NS. trail and station site. Station is located 63 ft S. of intersection of NS. trail with powerline rd.; 18 ft E. of NS. trail; 20 ft W. of large lone tree; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "BM M-18 1948"	
- 1	x = 517,959.14	1207.0		X = 460,375.66 Y = 817,575.86 1101.6 Horizontal position by USGS in 1965.	
Y-17 Panel	Located 86 ft SE. of station Y-17; cente foot square white panel.	er of 12- by 12-	M-18 Panel USGS	A 5- by 6-foot square white panel centered over station mark.	
USGS	x = 518,008.06 Y = 822,728.00	1204.7	11 11 11 11 11	Same horizontal position as station mark 1101.2	
P-17½ USGS	(USGS Leveling, 1965) Located about 0.5 mi S. of station P-17; is 3/8-in. reinforcing rod projecting 0.9-by 9-foot square white panel centered	station mark 2 ft;	и-18	T. 2 S., R. 3 E., near SE. corner of sec. 15. To reach from Lone Butte Ranch, drive E. for 1.0 mi to fleld rd. N., turn left and go N. for 1.0 mi to EW. ditch crossing and station site. Station is located 20.5 ft W. of centerline of NS. rd.; 18 ft S. of centerline of EW. ditch; in top of concrete post projecting 0.5 ft; Corps of Engineers disk stmmped TT N-18 1948 RESET AMS 1956"	
- 2	mark.		24.23	X = 465,534.09 Y = 818,021.46 1106.92	
and the	ROG Elev	7. 1115.83 7. 1115.6	N-16 Panel	A δ - by δ -foot square white panel centered over station mark.	
P½-17½ usos	T. 2 S., R. 3 E., near center of sec. 13 on W. side of old NS. track rd.; stati 3/8-in. reinforcing rod projecting 0.3 f square white panel is centered on a 12-black panel, both centered over station Rod Elev Fanel Elev	t; 6- by 6-foot by 12-foot square mark.	USGS P-18	Same horizontal position as station mark 1106.4 T. 2 S., R. 3 E.; about 0.2 mi S. of ME. corner of sec. 23; 2.0 mi E. of Lone Butte Ranch, thence 0.8 mi N.; station mark is 22 ft E. of NWSE. trall; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "BM P-18 1948"	
Q-17} usgs	Located about 0.5 mi S. of Q-17 at 1/4 c powerline survey; on W. side of powerlin mark is 1/2-in. rod projecting 0.1 ft; 9 square white panel centered over station Rod Elev Panel Elev	e; station - by 9-foot mark.	P-18 Panel USGS	X = 470,736.54 Y = 816,994.76 1116.29 Position and elevation by USGS in 1965. A 9- by 9-foot square white panel centered over station mark. There are two 3- by 12-foot wing panels for identification. Same horizontal position as station mark 1115.9	
Q1-171 USGS	T. 2 S., R. 4 E., near center of sec. 18 track rd.; station mark is 3/8-in. reinf projecting 0.2 ft; 9- by 9-foot square w centered over station mark.	oreing rod	P1-18 USGS	Located about 0.5 mi W. of station Q-18; in flat open area; 50 ft W. of old NS. track rd.; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; 9- by 9-foot square white panel is centered over station mark.	
	Rod Elev Panel Elev	. 1130-17 . 1130.0		No horizontal position Rod Elev. 1124.64 Panel Elev. 1124.3	
R-17½ USGS	Located about 0.5 mi S. of R-17; in low of 1/4 cor.; about 100 ft W. of telephon mark is 3/6-in. reinforcing rod projecti 9-foot square white panel centered over Rod Elev Panel Elev	e line; station ng 0.3 ft; 9- by station mark 1135.98	Q-18	T. 2 S., R. 3 E., near NE. corner of sec. 24. To reach from RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 13.3 mi to T-rd. SW., turn left and go W. for 0.6 mi to powerline crossing, turn right and go M. on powerline rd. for 1.0 mi to station site. Station mark is located in center of black asphalt panel W. of powerline; in top of concrete post projecting 0.5 ft; Corps of Engineers disk stamped "TT Q-18 1948"	
R1-171 USGS	T. 2 S., R. 4 E., near center of sec. 17	; station mark		0.5 ft; Corps of Engineers disk stamped "TT Q-16 1948" X = 475,721.68	
0303	is 2- by 2-in. wooden hub projecting 0.2 square panel centered over station mark. Hub Elev Panel Elev	. 1142.60	Q-18 Panel AMS	Centered over station mark, black asphalt cross-target panel. Same horizontal position as station mark 1129.3	
s-17½ USGS	Located about 0.25 mi E. and 0.5 mi S. o station mark is 3/8-in. reinforcing rod ft; 9- by 9-foot square white panel is c station mark.	projecting 0.2	qł-18 usgs	Located about 0.25 mi E. of station Q-18; marked with 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.	
*******		. 1146.61	n Mass-us	No horizontal position Rod Elev. 1131.36 Panel Elev. 1131.2	

	STATION	DESCRIPTION PLANE COORDINATES	E	LEVATION (feet)	STATION	DESCRIPTION PLANE COOR	DINATES	ELEVATION (feet)	
	Q1-18 USGS	Located about 0.5 mt E. of a area just W. of old NS. to 3/8-in. reinforcing rod pro- aquare white panel centered	rack rd.; stat: jecting 0.2 ft over station:	lon mark is; 9- by 9-foot mark.	V-18	Goodyear Air Form to enter can be : To reach from in	, about 0.1 mi N. of Sw n is located on reserva ce Auxilary Airfield. Obtained at Williams Ai tersection of Cleveland	tion of (Permission r Force Base Street and	*
		No horizontal position	Rod Elev. Panel Elev.	1133.11		87 for 4.0 mi, to W. for 3.0 mi to	n Chandler, drive S. on irn right on Rittenhous airfield main gate (wh go due W. for 1.75 mi t	State High e Road and g ich may be	ray 30 Locked)
	Q3/4-18 USGS	Located about 0.75 mi E. of station mark is 3/8-in. reis 0.2 ft; 6- by 6-foot square over station mark.	station, in he aforcing rod po white panel co	ake bed; rojecting entered		site on left. Si edge of runway;	ollow runway NW. for 0. tation mark is about 39 15 ft NE. of centerline tost_projecting 0.3 ft;	3 mi to stat 0 ft SW. of of old rd.;	SW.
		No horizontal position	Rod Elev. Panel Elev.	1136.46 1136.3		x = 497,126.01	Y = 818,147.51	1164.61	18. H
	R-18	T. 2 S., R. & E., near NV. (corner of sec.	20. To reach	U-18 Panel	A 6- by 6-foot so	quare white panel cente	red over sta	tion
		T. 2 S., R. 4 E., near NW. of from junction of Williams Fidrive S. on hwy. for 4.3 mi of hwy. and station site; st	to telephone p	pole No. 455 E. under telephone			on same as station mar	k 1164.3	9.7
	14	line; 25 ft N. of pole No. i hwy.; in top of concrete por of Engineers disk stamped "I	155; 42 ft ESE it flush with o BM R-18 1948"	of centerline lirt bank; Corps	x-18	To reach from int	near WE. corner of se	Street and	
		X = 481,074.55 Y = 817,5 Position and elevation by U		1138.38		for 4.0 ml to int	t Chandler, drive S. on tersection, turn right and station site. St	and go W. fo ation mark i	r 2.0
Ī	R-16 Panel USGS	A 9- by 9-foot square white station mark. There are twi identification.				- centerline of N.	i. of centerline of ES. rd.; 4 ft E. of ce 1.6 ft NW. of fence c Jecting 0.2 ft; Corps RESET AMS 1952 (Not	nterline of	
		Horizontal position and elec	vation same as	station mark.		in 1965)	ALBEI WAS 1992 (NOT	fare oy o	1508
	R1-18 USGS	Located about 0.25 mi E. of bed; station mark is 3/8-in	. reinforcing :	rod projecting	PP X-18	Located 42 ft NE.	on not available of station on E. side	1193.6 of NS. rd	l.:
	Ξ,	0.3 ft; 6- by 6-foot square station mark.	white panel is	s centered over	AMS	centerline of E $X = 512,674.35$	W. ditch at headwall. Y = 817,406.08	1192.6	
		No horizontal position	Rod Elev. Panel Elev.			3.5		033	0.0002
	R1-18 USGS	Located about 0.5 mi B. of a is 3/8-in. reinforcing rod a square white panel centered	projecting 0.2	ft; 9- by 9-for		(uso	TIER 181		4
		No horizontal position	Rod Elev. Panel Elev.	1143.96 1143.8	Q-18 1	of powerline; sta	5 mi S. of station Q-10 tion mark is 3/8-in. re ; 6- by 6-foot square s	einforcing r	e od
	R3/4-18	Located about 0.75 mi E. of is 3/8-in. reinforcing rod p 6-foot square white panel co	projecting 0.3	ft; 6- by			Rod Ele	7. 1127.86 7. 1127.7	21.0
		Ho horizontal position	Rod Elev. Panel elev.	1145.69 1145.4	Qģ-18ģ	Q-18; station mar	5 mi E. and 0.25 mi S. k is 3/8-in. reinforci oot square white panel	ng rod proje	cting
	s-16	To reach from junction of Williams Field Maricopa Highway, drive S. on Maricopa H 3.95 mi to trail E., just S. of pole No.		Road and ghway for 467, turn left		station mark.	10 a 211 w	7. 1131.74 7. 1131.5	Š.
		and go E. For U.35 ml to cross tral, SE. for 0.1 ml to alkali clearing and turn left and go E. for 0.55 ml to le clearing and station site. Station 1275 ft W. of G.I.O. section corner pleaserete post projecting 0.1 ft; Corn	earing and dim 5 mi to large of Station is loc corner pipe;	i, turn right and go not dim trail E., large alkaline is located about pipe; in top of	Q2-18L	station mark is 3	5 mi E. and 0.25 mi S. /8-in. reinforcing rod square white panel cent	projecting	0.2
	8	disk stamped "BM S-18 1948" X = 486,221.98 Y = 817, Horizontal position by USGS	775.81 in 1965.	1146.80			Rod Elev Panel Elev	7. 1133.58 7. 1133.4	93
	S-18 Panel USGS	A 9- by 3-foot square white mark. There are two 3- by identification.	panel centered 12-root wing pa	d over station anels for	Q3/4-18 <u>}</u>	station mark is 3	5 mi E. and 0.25 mi S. /8-in. reinforcing rod re white panel centered	projecting	0.3 ft:
		Same horizontal position as	station mark	1146.7			Rod Elev Panel Elev	1135.15	
	T-18	T. 2 S., R. 4 E., near SW. corner of sec. 15. To reach from junction of Williams Fleld Road and Maricopa Highway, drive S. on Maricopa Highway for 1.8: thence turn SE. on track rd. which follows the surveyed route of proposed Interstate Highway 10, and go 3.0 mi mi to station site on right. Station mark is 100 ft W. of track rd.; about 1000 ft S. 3: USCASS EM "E 414 1962 about 400 ft N. of G.L.O. section corner pipe; in alkali clearing; in top of concrete post projecting 0.5 ft;		R-18 1	3/8-in. reinforci	5 mi S. of station R-18 ng rod projecting 0.3 f i centered over station	t: 6- by 6-1	ark is Coot	
						Rod Elev Panel Elev	. 1138.96 . 1138.7		
		Corps of Engineers disk star X = 491,875.46: Y = 818,2	ped "BM T-18	1948"	R1-181	station mark is 3,	5 mi E. and 0.25 mi S. /8-in. reinforcing rod / 6-foot square white p	projecting (R-18; 0.3 ft;
	T 18	Horizontal position by USGS	in 1965.		ta cons ²		Rod Elev	1180.81	
	T-18 Panel USGS	A 6- by 6-foot square white mark. There are two 3- by identification.	12-foot wing p	anels for	197	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Panel Elev	. 1140.5	

STATION DESCRIPTION ELEVATION
PLANE COORDINATES - {feet}

Located about 0.5 mi E. and 0.25 mi S. of station R-16; station mark is 2- by 2-in. wooden hub projecting 0.2 ft; 6- by 6-foot square white panel is centered over station mark. R\$-184

Rub Elev. 1143.35 Panel Elev. 1143.2

R3/4-18t Located about 0.75 mi E. and 0.25 mi S. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1146.41 Panel Elev. 1146.2

Location about 0.25 mi S. of station S-18; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark. S-18-

Rod Elev. 1147.02 Panel Elev. 1146.8

TIER 184

(USCS Leveling, 1965)

Located about 0.5 mi S. of station P-18; about 100 ft N. of edge of cultivated field; station mark is 2- by 2-in. wooden hub projecting 0.3 ft; 9- by 9-foot squere white panel is centered over station mark. P-181

Hub Elev. 1122.47 Panel Elev. 1122.2

Located about 0.5 mi E. and 0.5 mi S. of station P-18; T. 2 S., R. 3 E., near center of sec. 24; just N. of edge of heavy brush; station mark is 3/8-in. reinforcing rod projecting 0.1 ft; 9- by 9-foot square white panel is centered over station mark. PI-181

Rod Elev. 1121.38 Panel Elev. 1121.3

Located about 0.5 mi S. of station Q-18; at 1/4 correset by powerline survey; on W. side of powerline; station mark is 1/2-in. steel rod flush with ground; 9- by 9-foot square white panel is centered over station mark. 0-184

Rod Elev. 1128.83 Panel Elev. 1128.8

Located about 0.25 mi E. and 0.5 mi S. of station Q-18; station mark is 2- by 2-in. wooden hub projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark. Qt-183

Hub Elev. 1130.21 Panel Elev. 1130.0

Located about 0.5 mi E. and 0.5 mi S. of station Q-18; T. 2 S., R. 4 E., near center of sec. 19; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 9- by 9-foot square white panel is centered over station mark. 21-181

Q3/4-18 Located about 0.75 mi E. and 0.5 mi S. of station Q-18; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; 6- by 6-foot square white panel is centered over station mark.

Rod Elev. 1135.39 Panel Elev. 1135.1

Located about 0.5 mi S. of station R-18; station mark is G.L.O. 1/4 cor. pipe common to sections 19 and 20; pipe projects 0.2 ft; 9- by 9-foot square white panel is centered over station mark. R-181

Pipe Elev. 1138.30 Panel Elev. 1138.1

Located about 0.25 mi E. and 0.5 mi S. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; 6- by 6-foot square white panel is centered over station mark. Rt-184

Rod Elev. 1140.04 Panel Elev. 1139.7

STATION DESCRIPTION
PLANE COORDINATES (feet)

T. 2 S., R. 4 E.; at center of sec. 20; station mark is G.L.O. 1/4 cor. pipe projecting 0.1 ft; 9- by 9-root square white panel centered over station mark.

Pipe Elev. 1142.44 Panel Elev. 1142.3

R3/4-18 Located about 0.75 mi E. and 0.5 mi S. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1144.42 Panel Elev. 1144.2

Located about 0.5 mi S. of station S-18; station mark is s-18} G.L.O. 1/4 cor. pipe common to secs. 20 and 21, T. 2 S., R. 4 E., projecting 0.3 ft; 9- by 9-foot square white panel centered over station mark.

Pipe Elev. 1146.81 Panel Elev. 1146.5

TIER 18 3/4

(USGS Leveling, 1965)

Q-18 3/4 Located about 0.75 mi 8. of station Q-18; on W. side of powerline; a reset 1/16 cor. by powerline survey; station mark is 3/4-in. pipe flush with ground; 6- by 6-foot square white panel centered over station mark.

Pipe Elev. 1128.63 Panel Elev. 1128.6

Qi-18 3/4 Located 0.25 mi N. of rd. to Lone Butte Ranch and 0.25 mi E. of powerline; station mark is 2- by 2-in. wooden hub projecting 0.2 ft; 6- by 6-foot square white panel centered over statioh mark.

Hub Elev. 1128.95 Panel Elev. 1128.8

Q1-18 3/4 Located about 0.25 mi N. of rd. to Lone Butte Ranch and 0.25 mi W. of Maricopa Righway; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1129.72 Panel Elev. 1129.5

13/4-18 3/4 Located about 0.2 mi N. of junction of Maricopa Highway and rd. to Lone Butte Ranch; about 400 ft W. of hwy.; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1131.05 Panel Elev. 1130.9

1-18 3/4 Located about 0.75 mi S. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.3 ft; 6- by 6-flot square white panel centered over station mark.

R1-18 3/4 Located about 0.25 mi E. and 0.75 mi S. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1137.37 Panel Elev. 1137.2

Rg-18 3/4 Located about 0.5 mi E. and 0.75 mi S. of station R-1°; station mark is 3/8-in. reinforcing rod projecting 0.0 ft; 6- by 6-in. square white panel centered over station mark.

R3/4-18 3/4 Located about 0.75 mi E. and 0.75 mi S. of station R-18; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1142.77 Panel Elev. 1142.6

S-15 3/4 Located about 0.75 mi S. of station S-18; station mark is 3/8-in. reinforcing rod projecting 0.2 ft; 6- by 6-foot square white panel centered over station mark.

Rod Elev. 1145.43 Panel Elev. 1145.2

TIER 19

STATIO	N DESCRIPTION PLANE COORDINATES	ELEVATION (feet)	STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)
Q-19	T. 2 S., R. 2 E., about 0.2 mi SSE. of MW. corner of sec. 26. To reach from St. Johns Indian School, drive S. on 51st Avenue for 1.3 mi to rd. fork, thence take right fork and go 2.9 mi S. to rd. fork, thence take left fork and go E. for 0.95 mi to canal and water tank, thence turn N. and follow W. side of canal to canal crossing, thence cross canal and turn S. and follow trail for 0.25 mi to large clearing and rd. E., thence			T. 2 S., R. & E., near MW. cor To reach from Southern Pacific Maricopa, drive H. along May. to rd. left to Lone Butte Ranc W. for 0.5 mi; about 0.1 mi E. rd.; at center of black rock p post; Corps of Engineers disk "TR Q-19 1960 ARMY MAP SERVICE	Railroad crossing in toward Phoenix for 13.3 mi h, thence turn left and go of powerline; 250 ft S. of anel; in top of concrete
	follow rd. E. for 0.55 ml to pig thence continue E. on trail for	eline maintenance rd., 0.5 mi to dim trail N.		X = 476,685.41 Y = 812,326	.49
	and station site; at triangle for SE. of westernmost tip of triangle; in projecting 0.2 ft; Corps of Eng. "G-19 1948"	rmed by trails; 85 ft le and 43 ft SW. of top of concrete post	Q-19 Panel AMS	A black rock cross-target pane mark. (8- by 8-foot square ce in with white plastic paneling this white square also centere	l centered over station nter of target was filled material by USGS in 1965,
7.1	X = 434,195.86 Y = 811,252.5	1050.6		Same horizontal position as at	ation mark 1133.6
G-19 Panel USGS	A 12- by 12-foot square black to over station mark.	r-paper panel centered	Q1-19 USGS	About 50 ft S. of graded rd.; 0.3 ft at center of 6- by 6-fo	3/8-in, rod projecting
	Same horizontal position as stat	ion mark 1050.4	2 5 77	4 57 1 47 -1	Rod Elev. 1134.24
J ≟19	T. 2 S., R. 3 E., near NW. corne	r of sec. 30.	- 65	3611 3 11 (5)	Panel Elev. 1133.9
	To reach from post office at Law black top rd. for 6.5 mi to rd. fork and follow main rd. SE. for thence turn right and then left	fork, thence take left 4.7 m1 to trail S	Q1-19 USGS	About 100 ft 8. of graded rd.; 0.2 ft at center of 9- by 9-fo	ot square white panel.
	paralleling main rd. for 0.25 mi turn right and follow trail SW. intersection and station site;	for 0.15 mi to trail		OF THE PARTY AND A STATE OF THE STATE OF	Rod Elev. 1135.34 Panel Elev. 1135.1
	intersection; 2 ft SE. of 4- by in top of concrete post project! Engineers disk stamped "TT J-19	4-in. witness post; ng 0.4 ft; Corps of	Q3/4-19 USGS	About 100 ft E. of Maricopa Hi projecting 0.3 ft at center of white panel.	ghway; 3/8-in. rod 6- by 6-foot aquare
	X = 444,893.16 Y = 811,864.3	2 1077.0		19-19-1 VOIE 100	Rod Elev. 1136.84
J-19 Panel	A 12- by 12-foot square white pamark.	nel centered over station		755 77 111	Panel Elev. 1136.5
USGS	Same horizontal position as stat	ion mark 1076.6	USGS	9 Located about 0.25 mi W. of at section corner pipe projecting 9- by 9-foot white panel.	
L-19	To reach from Lone Butte Ranch, canal for 1,2 mi to T-rd. W. and of intersecting centerlines of T centerline of EW. rd.; 3 ft Sk top of concrete post set 1.0 ft Corps of Engineers disk stamped	2 S., R. 3 E., near SW. corner of sec. 21. reach from Lone Butte Ranch, drive W. on S. side of hal for 1.2 mi to T-rd. W. and station site; 27 ft SE. intersecting centerlines of T-rd. N.; 18 ft S. of terline of EW. rd.; 3 ft SW. of fence corner; in of concrete post set 1.0 ft below surface of ground; rps of Engineers disk stamped		T. 2 S., R. 4 E., about 0.25 m mec. 29. To reach from juncti and Williams Field Road, drive	on of Maricopa Highway S. on Maricopa Highway
	"TR L-19 1960 ARMY MAP SERVICE" X = 454,967.83 Y = 812,804.5	9 1103.2	- 5	for 5.0 mi to rd. junction W. left; continue S. for 0.1 mi, of trees and go E. across coun	then turn left around tip
L-19 Panel	A 12- by 12-foot square white pa			site; 3 ft S. of witness post; projecting 0.3 ft; Corps of En "BM R-19 1948"	in top of concrete post
USCS	Same horizontal position as stat	ion mark 1104.2		x = 482,228.97 Y = 812,430 Position and elevation by USGS	.91 1140.53
H-19	T. 2 S., R. 3 E., about 0.15 mi sec. 22. At Lone Butte Ranch; a	t rd. intersection; abou	R-19 S.	Centered over station mark, 9 panel with two 3- by 12-foot w	- by 9-foot square white ing panels for identificati
	30 ft N. of EW. rd.; 6 ft N. o ditch; 2.3 ft E. of NE. corner o top of concrete post projecting	f concrete headwall; in 0.1 ft; Corps of	USGS	Same horizontal position as at	ation mark. 1140.2
	Engineers disk stamped "TT M-19 X = 461,046.10 Y = 812,543.0	. 17 IW 54	R-19 USOS	Located about 0.25 mi E. of st corner pipe projecting 0.3 ft, square white panel.	
M-19 Panel USGS	Located 151 ft NW. of station ma 6- by 6-foot black square panel, panels for identification.			No horizontal position	Pipe Elev. 1140.54 Panel Elev. 1140.2
	X = 460,920,50 Y = 812,626.5		83/4-19	Located about 0.5 mi E. of sta projecting 0.2 ft at center of	tion R-19; 3/8-in. rod
W-19	T. 2 S., R. 3 E., near SW. corne To reach from Lone Butte Ranch,	r of sec. 23. drive E. for 1.0 mi to	1505	white panel.	o- by o-root aduars
	cattle guard and fence and field 24 ft N. of N. edge of cattle gu centerline of rd.: 1.5 ft NE. of	rd. M. and station site; ard; 15 ft N. of fence corner post; in		No horizontal position	Rod Elev. 1144.03 Panel Elev. 1143.8
	top of concrete post projecting Engineers disk stamped "TT N-19	42.00 PE 201.00	JSGS	9 Located about 0.25 ml WSW. of a section corner pipe projecting 9- by 9-foot square white pane	station S-19; G.L.O. O.3 ft, at center of
N-19	X = 465,623.45 Y = 812,509.6 30 ft S. of station mark, center			is wired to sec. cor. pipe; pro,	jects 0.5 ft)
Panel AMS	guard.	51 y- 57 12-1000 CECC16			Rod Elev. 1146.90 Panel Elev. 1146.4
	x = 465,620.7 $Y = 812,479.9$	1116.9			5200 CST040 04
P1-19 USGS	NW. of T-ditch N.; 3/8-in. reinf double stakes projecting 0.1 ft; panel centered over mark.	orcing rod between 9- by 9-foot white	3-19	T. 2 S., R. 4 E., about 0.25 m sec. 21. To reach from S. P. I drive N. on hey. to Phoenix for crossing, thence turn right and thence leave rd., turn left and	r 12.6 mi to track rd.
	No horizontal position	Rod Elev. 1131.21 Panel Elev. 1131.1		thence leave rd., turn left and country 0.6 mi to large clearin site; in center of black and wi concrete post projecting 0.4 ft stamped "TR S-19 1948"	go northerly across ug, panel, and station hite panel; in top of t; Corps of Engineers disk
				x = 487,399.07 Y = 812,768	The second secon

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		STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)
STATION	DESCRIPTION ELEVATION (feet)		TIER 192	171.47.27
T-19	T. 2 S., R. 4 E., about 0.1 mi E. of SW. corner of sec. 22. To reach from junction of Haricopa Highway		(USGS Leveling	1965)
	and Williams Field Road, drive S. on hwy. for 5.65 mi to EW. trail, thence turn left and go E. for 1.2 mi to cross trail, thence continue straight ahead, E., for 1.05 mi to cross trail, thence turn left and go		A 3/8-in. rod projecting 0, square white panel; 40 ft 1	3 ft, in center of 6- by 6-foot 2, of powerline.
	ME. for 0.75 mi to clear alkali flat and station site; 121 ft N. of large clump of brush; in top of concrete			Rod Elev. 1135.97 Panel Elev. 1135.7
	post projecting 0.4 ft; Corps of Engineers disk stamped "BM T-19 1948" X = 492,465.70 Y = 812,681.07 1155.7	Q{-19}		pe projecting 0.1 ft, in center
T-19 Panel	Position by USGS in 1965. Centered over station mark, 6- by 6-feet square white panel, with two 3- by 12-feet wing panels for			Pipe Elev. 1134.78 Panel Elev. 1134.7
บรดร	identification. Same horizontal position as station mark 1155.3	Q±-19분	7.22787 9771.003	pe projecting 0.8 ft, in center
U-19	T. 2 S., R. 4 E., near SE. corner of sec. 22.	1,000		Pipe Elev. 1136.87 Panel Elev. 1136.1
	To reach from junction of Maricopa Highway and Williams Field Road, drive S. on Maricopa Highway for 5.65 mi to EW. trail, thence turn left and go E. for 1.2 mi	Q3/4-19 ‡	A G.L.O. 1/16 cor. iron pi of 6- by 6-foot square whi	be projecting 0.3 ft, in center
	to cross trail, continue E. for 1.05 ml to cross trail, continue E. for 1.45 ml to cross trail, thence turn left and go N. for 0.15 ml to trail forks and station site; in apex of trail fork; 7 ft E. of NS. trail; in top	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	or or of orest square will	Pipe Elev. 1137.37 Panel Elev. 1137.1
	of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "TT U-19 1948" X = 497.013.39 Y = 812.502.16	R-19 1	A 3/8-in. rod projecting 0. 6- by 6-foot square white p	4 ft; in center of
U-19	Centered over station mark, 12- by 12-foot aquare white	1000	Table 2277	Rod Elev. 1141.65
Panel USGS	panel. Same horizontal position as station mark 1164.4	7 147	i meta Danasi	Panel Elev. 1141.3
W-19	T. 2 S., R. 4 E., near ME. corner of sec. 25. To reac	RE-191	A 3/8-in. rod projecting 0. 6- by 6-foot square white p	4 ft, in center of panel.
	from intersection of Cleveland Street and Arizona Avenue in Chandler, drive S. on State Highway 87 for 5.0 mi to crossroads, thence turn right and go W. for			Rod Elev. 1142.66 Panel Elev. 1142.3
	3.0 mi to Price Road and station site; 11.6 ft W. of centerline of Price Road; 7.5 ft N. of extended centerline of rd. E.; in top of concrete post flush with	n}-19}	A 3/8-in. rod projecting 0. 6- by 6-foot square white ;	
	ground; Corps of Engineers disk stamped TT W-19 1948 RESET AMS 1956"		7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Rod Elev. 1141.48 Panel Elev. 1141.1
W-19	X = 507,377.33 Y = 812,006.96 1183.67 Centered over station mark, 12- by 12-foot square white	R3/4-191	A 3/8-in. rod projecting 0.	
Panel USGS	panel. Same horizontal position and elevation as station mark.	114000	6- by 6-foot square white p	
1 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The state of the s			Panel Elev. 1144.5
X-19	T. 2 S., R. 5 E., near ME. corner of sec. 30. To reach from intersection of Cleveland Street and Arizona Avenue in Chandler, drive S. on State Highway 87-93, for 5.0 ml to cross road, thence turn right and	\$-19€	A 3/8-in. rod projecting 0. 6- by 6-foot square white p	3 ft, in center of
	go W. for 2.0 mi to cross road and station site; 9 ft W. of centerline of NS. rd.; 13 ft S. of EW. rd.; 2.5 ft NW. of N. end of concrete culvert; in top of		Fill laws	Rod Elev. 1148.04 Panel Elev. 1147.7
	concrete post projecting 0.1 ft; Corps of Engineers disk stamped "TT X-19 1948 RESET AMS 1956" (Not visited by USGS in 1965)		TIER 19	
	X = 512,628.04 Y = 812,095.82 1201.4 NOTE: Elevation appears to be ten ft high according		(USOS Leveling,	
PP X-19	to elevation published on map. On W. side of NS. rd.; centerline of EW. ditch at	P-191	A 3/8-in. rod projecting 0. 9- by 9-foot square white p	enel.
AMS	headwall. X = 512,630.50 Y = 812,089.35 1201.4			Rod Elev. 1126.68 Panel Elev. 1126.4
Y-19	T. 2 S., R. 5 E., near SW. corner of sec. 21.	P2-191	A 3/8-in. rod projecting 0. 9- by 9-foot square white p	3 ft, in center of
	To reach from intersection of Cleveland Street and Arizona Avenue in Chandler, drive S. on State Highway 87-93 for 5.0 mi to crossroads, thence turn right and go W. for 1.0 mi to cross road and station site; 25 ft			Rod Elev. 1129.06 Panel Elev. 1128.8
	M. of canterline of EW. rd.; 15 ft E. of centerline of NS. rd.; cemented in top of S. end of concrete headwall, 1 ft higher than rd.; Corps of Engineers disk stamped "TT Y-19 1948"	Q-19 <u>1</u>	A 3/8-in. rod projecting 0. 9- by 9-foot square white p	3 ft, in center of anel, 100 ft E. of powerline.
	X = 518,046.37 Y = 812,223.84 1201.1			Rod Elev. 1135.24 Panel Elev. 1134.9
Y-19 Panel USGS	Located 125 ft 8W. of station mark, center of 12- by 12-foot square black panel.	Q1-191	A G.L.O. 1/16 cor. iron pip center of 6- by 6-foot squa	e projecting 0.4 ft, in
UaVa	Y = 517,949.76 Y = 812,144.21 1200.5			Pipe Elev. 1138.53
	* * *		*: f.O asitim over a more . . Incar - 12 me et alle stable	and was to solves
		Q1-191	At center of sec. 30; G.L.O projecting 0.3 ft in center white panel; 190 ft W. of M pole No. 406.	. Cf cor. iron pipe of 9- by 9-foot square aricopa Highway opposite
				No. Flow 1127 80

			2 May 2 May 2			
	STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)	STATION		LEVATION (feet)
	Q3/4-19 1	A G.L.C. 1/16 cor. 1ron pipe p center of 6- by 6-foot square	rojecting 1.1 ft in white panel.		/4 In lake bed; 3/8-in. rod projecting 0.3 ft, of 5- by 6-foot aguare white panel.	in center
			Pipe Elev. 1139.66 Panel Elev. 1138.6	.2	Rod Elev.	1148.04 1147.7
	R-193	270 ft N. of dirt rd.; G.L.O. projecting 0.4 ft, in center of white panel.	1/4 cor. iron pipe f 9- by 9-foot square		A 3/8-in. rod projecting 0.3 ft, in center of 6- by 6-foot square white panel.	<u> </u>
			Pipe Elev, 1141.01 Panel Elev. 1140.6	τ.	Rod Elev. Panel Elev.	1148.4
	Rt-191	A 3/8-in. rod projecting 0.3 f 6- by 6-foot square white pane	1.	K-50	T. 2 S., R. 3 E., near NW. corner of sec. 32. To reach from post office at Laveen, proceed black top rd. for 6.5 mi to rd. fork, thence fork and go SE. along main rd. for 6.0 mi to	S. along
		5 1 1	Rod Elev. 1144.62 Panel Elev. 1144.3	6.5	black top rd. for 6.5 mi to rd. fork, thence fork and go SE. along main rd. for 6.0 mi to in rd., thence turn right and follow main rd. mi to left turn in rd. and station site. Loc	. a. lor u.s
ď	R1-191	At center of sec. 29; 33 ft S. iron pipe projecting 0.4 ft, is square white panel.	of rd.; G.L.O. Ct cor. n center of 9- by 9-foot	951	SW. of centerline of main rd. and about 250 f	t W. of ecting 0.2 f
		The second of the second	Pipe Elev. 1148.47 Panel Elev. 1148.1	11.5	X = 450,088.02 Y = 807,363.44	1082.45
		I I I I I I	teres 5164. 1140.1	P K-20	260 ft SE. of station mark; centerline of NE. at centerline of NWSE. trail.	-SW. drain
	R3/4-19}	200 ft S. and 425 ft E. of trained AMS triangulation station and amount of the arm of the state	CONFER; G.L.O. 1/16 cor.	11104		1079.9
		\$ 100 S	Pipe Elev. 1148.19 Panel Elev. 1146.9	-20 C&GS BH 1-273)	T. 2 S., R. 3 E., near SE. corner of sec. 29. To reach from junction of Maricopa Highway an Field Road, drive S. on Maricopa Highway for black top rd. W., thence turn right and go W. to station on right. Located 80 ft M. of cent	d Williams 6.2 mi to for 4.5 mi
	s-19½	320 ft S. of track rd.; 3/8-in. in center of 9- by 9-foot squar	re white panel.	#J7 J	rd.; in top of concrete post projecting 0.3 f standard disk stamped "R 273 1948"	t; USCAGS
			Rod Elev. 1145.86 Panel Elev. 1145.6	7	Position by USGS in 1965.	1094.33
		TIER 19 3/4		-20 anel	Centered over station mark, 6- by 6-foot squa panel.	re white
	25	(USOS Leveling, 19	95)	1508	Same horizontal position as station mark	1094.0
	Q-19 3/4	66 ft SW. of powerline crossing powerline survey; 3/4-in. reinf 0.1 ft, in center of 6- by 6-fc	orcing rod projecting	M-20	The second secon	d Williams
	#*\\		Rod Elev. 1134.68 Panel Elev. 1134.6		mi to trail N. and station site. Located 40 centerline of main rd.; in triangle formed by top of concrete post projecting 0.3 ft; Corps disk stamped "TT M-20 1948"	ft N. of trails; in
	Qt-19 3/4	"A 3/8-in. rod projecting 0.3 ft 6- by 6-foot square white panel	, in center of	V2-	x = 460,890.30 Y = 807,311.42	1103.80
		6,5 , por	Rod Elev. 1136.20 Panel Elev. 1135.9	M-20 Panel JSGS	Centered over station mark, 6- by 6-foot squapanel.	re white
	Q1-19 3/4	35 ft E. of Maricopa Highway; 2	5 ft W. of G. L.O. 1/16		Same horizontal position as station mark	
		cor. pipe; 7 ft N. of pole No. projecting 0.3 ft, in center of white panel.		¥-50	Located about 700 ft ESE. of USCAGS EM "S 273 about 300 ft SE. of rd. junction S.; about 15 black top rd.; in top of concrete post projec Corps of Engineers disk stamped "N 20 1948"	Oft S. of
			Rod Elev. 1137.85 Panel Elev. 1137.6		A USGS 6- by 6-foot white panel centered over	
	Q3/4-19 3/	4 A 3/8-in. rod projecting 0.3 f 6- by 6-foot square white panel	t, in center of		No horizontal position Station mark Elev. Panel Elev.	
		re r	Rod Elev. 1142.58 Panel Elev. 1142.3	S-273 (CAGS BH)	T. 2 S., R. 3 E., near SE. corner of sec. 27. To reach from junction of Maricopa Highway an Field Road, drive S. on Maricopa Highway for black top rd. W., thence turn right and go W.	d Williams
	R-19 3/4	A G.L.O. 1/16 cor. iron pipe pr center of 6- by 6-foot square w	hite panel.		to reverse rd. fork and station site on right mark is 78 ft N. of centerline of rd.; about of AMS station "N-20"; in top of concrete pos	. Station 700 ft WNW. t projecting
			Pipe Elev. 1142.53 Panel Elev. 1141.4	-	0.4 ft; USC&GS standard disk stamped "S 273 1 X = 464,622.00 Y = 807,339.24 Position by USGS in 1965.	
	RÈ-19 3/4	About 185 ft SE. of 1/16 cor.; 0.3 ft, in center of 6- by 6-fo	3/8-in. rod projecting ot square white panel.	S-273 Panel	Centered over station mark. 6- by 6-foot squa	
		africa Libert Light	Rod Elev. 1143.36 Panel Elev. 1143.1	USGS	•	1115.7
	R}-i9 3/4	A G.L.O. 1/16 cor. iron pipe preenter of 6- by 6-foot square w	ojecting 0.3 ft, in hite panel.	.75.60	545 T BOOK 6001 THE TAIL	

					O .
STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (Feet)	STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)
P-20	T. 2 S., R. 3 E., near ME. corner of To reach from junction of Maricopa H Williams Field Road, drive S. on Mar	ighway and	R3/4-20 USGS	60 ft S. of surveyed rd.R.O.W.; 3/8-in. 0.3 ft; in center of 6- by 6-foot square	rod projecting
	6.2 mi to black top rd. W., thence to 1.5 mi to station site on left; about in center of black and white painted of concrete post projecting 0.5 ft; disk stamped "TT P-20 1948 RESET AMS	urn right and go t 140 ft S. of rd.; panel; in top Corps of Engineers		Panel	Elev. 1147.85 Elev. 1147.6
	X = 470.638.32 Y = 807.118.37	1123.34	S-20	T. 2 S., R. 4 E., about O.1 mi E. of Si sec. 28. To reach from junction of Nari	corner of lcopa Highway
P-20 Panel AMS	Centered over station mark, black and cross-target panel.	d white painted		and Williams Field Road, drive S. on Mar for 6.15 mi to powerline crossing, then powerline rd. for about 300 ft, thence t and go E. on surveyed rd. route for 1.5	urn left on urn left again mi to station
700	Same horizontal position as station :	mark 1122.8		site on N. side of EW. rd.; in top of projecting 0.4 ft; Corps of Engineers di BM S-20 1948"	concrete post lsk stamped
P1-20 USGS	90 ft S. of black top rd., 3/8-in. rd 0.3 ft, in center of 9- by 9-foot square	mare white panel.		X = 487,096.93 Y = 807,264.91 Horizontal position by USGS in 1965.	1152.07
		od Elev. 1126.55 el Elev. 1128.2	Panel	Located about 580 ft WSW. of station S-2 of sec. cor. pipe in surveyed rd. R.O.W.	; center of
W. of Q-20 USGS	About 50 ft N. of black top rd; 75 ft 3/8-in. rod projecting 0.3 ft, in cer 9- by 9-foot square white panel.	W. of powerline; nter of	USGS	9- by 9-foot square white panel, with twing panels for identification. X = 486,525.05 Y = 807,165.35	1151.3
	Ro	od Elev. 1135.47		to the contract the same of the contract of th	150200
6-50	T. 2 S., R. 4 E., near NW. corner of	el Elev. 1135.2	T-20	T. 2 S., R. 4 E., near SW. corner of sec To reach from junction of Maricopa Highw Williams Field Road, drive S. on Maricon	:. 27. way and wa Highway for
queo	To reach from junction of Maricopa H: Pield Road, drive S. on Maricopa H:gi to black top rd. W., thence turn rigi to lone tree on left and station si S. of rd.; 7 ft E. of E. edge of meso of concrete post projecting 0.4 ft; 0 disk stamped "BM Q-20 1948"	ighway and Williams way for 6.2 mi nt and go 0.15 mi ne. Located 78 ft nuite tree: in top	in the second	6.15 ml to powerline crossing, thence to powerline rd. for about 300 ft, thence t and go E. on surveyed rd. route for 2.5 thence turn left and go N. about 0.1 ml 25 ft W. of trai; in top of concrete pos 0.3 ft; Corps of Engineers disk stamped	mi to cross trail to station site; it projecting
		111	77 (1)	X = 492,216.59	1155.8
Q-20	X = 477,391.85 Y = 807,184.68 Position and elevation by USGS in 196 Centered over station mark, 6- by 6-1	real still.	T-20 Panel USGS	Centered over station mark; 6- by 6-foot panel, with two 3- by 12-foot wing panels	
Panel USGS	white panel.		1 1111	Same horizontal position as station mark	1155.5
	Same horizontal position as station s	nark 1136.5	U-20	T. 2 S., R. 4 E., near HW. corner of sec	. 35. To reach
ngos 61-50	Location 50 ft W. of power pole No. 2 G.L.O. 1/4 cor. pipe; 3/8-in. rod pro in center of 9- by 9-foot aquare whit	jecting 0.3 ft;		from junction of Maricopa Highway and k Road, drive S. on Maricopa Highway for 5 trail, thence turn left and go Z. for 1 trails, thence continue straight shead cross trail, thence continue E. for 1.4 cross trail, thence continue E. for 1.4	Williams Field 5.65 mi to EW. .2 mi to cross for 1.05 mi to
	Ro Pane	d Elev. 1138.71 1 Elev. 1138.4		trail, thence turn right and go S. for I of buck brush and station site; 38 ft w. in top of concrete post projecting 0.8 ft Engineers disk stamped *BM U-20 1948*	OS at to aroun
Q3/4-20 USGS	A 3/8-in. rod projecting 0.3 ft, in c 6- by 6-foot square white panel.	enter of		x = 498,407.07	1165.32
	Ro Pane	d Elev. 1139.95 1 Elev. 1139.6	U-20 Panel USGS	Centered over station mark; 6- by 6-foot panel.	square white
NE OF R-20	In center of surveyed rd. R.O.W.; G.I corner pipe (rusted off).	.O. section	USGG	Same horizontal position as station mark	1164.5
		ground) 1141.6	A-50	T. 2 S., R. 5 E., near RE. corner of sec To reach from intersection of Cleveland Arizona Avenue, in Chandler, drive S. or	Street and
ME OF R-20 Panel USGS	About 80 ft N. and 10 ft E. of section rod projecting 0.3 ft; in center of 9 white panel, with two 3- by 12-foot will identification.	- by 9-foot square		for 6.0 mi to cross road, thence turn ri to cross road and station site; 63 ft W. NS. rd.; 21 ft S. of centerline of E. concrete abutment level with rd.; Corps stamped "TT Y-20 1948" (Not visited by	ght and go 1.0 mi of centerline of W. rd.; in top of of Engineers disk
	X = 481,265.28 $Y = 807,322.15$ Ro	d Elev. 1142.23 1 Elev. 1141.9		X = 517,941.74 Y = 806,901.94	1201.7
			PP Y-20	At S. edge of EW. rd.; centerline of B headwall.	S. ditch at
R-20	T. 2 S., R. 4 E.; about O.1 mi SW. of sec. 31. To reach from junction of M and Williams Field Road, drive S. on	aricopa Highway Maricopa Highway	E 103-00	x = 517,978.86	1201.9
-	for 6.15 mi to powerline crossing, the and follow powerline rd. SE. for 0.55 between power poles No. 221 and No. 2	mi to point midway		TIER 201	
	left and go N. across country to two trees and station site; in top of con projecting 0.3 ft; Corps of Engineers "BM R-20 1948"	large mesquite crete post		(USGS Leveling, 1965)	
	No horizontal position Not paneled	1142.09	6-50 5	50 ft W. of powerline; G.L.O. 1/16 cor. projecting 1.2 ft; in center of 6- by 6-white panel.	
R1-20 USGS	80 ft S. of surveyed rd. R.O.W.; 3/8- 0.3 ft; in center of 6- by 6-foot squ	in. Fod projecting		Pipe	Elev. 1136.86 Elev. 1135.7
	Ro	d Elev. 1144.27 1 Elev. 1144.0	65-505	A 3/8-in. rod projecting 0.3 ft; in cent white panel.	er of 6- by 6-foo
R1-20	40 ft S. of surveyed rd. R.O.W.: 3/8-	in, rod projecting		Rod	Elev. 1139.28

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STATION	DESCRIPTION ELEVATION (feet)	STATION DESCRIPTION ELEVA PLANE COORDINATES (FO	ATION _
61-505	A 3/8-in, rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.	Rt-20} About 320 ft 8. of powerline; 3/8-in. rod project 0.3 ft; in center of 6- by 6-foot square white pa	ing
	Rod Elev. 1138.82 Panel Elev. 1138.5	Rod Elev. 114 Panel Elev. 114	3.39 3.1
03/4-202	A 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot aquare white panel.	R½-20½ About 350 ft N. of powerline pole No. 22-8; in ce of sec. 32; G.L.O. Cl/4 cor. pipe projecting 1.0 center of 9- by 9-foot square white panel.	nter ft; in
	Rod Elev. 1140.98 Panel Elev. 1140.7	Pipe Elev. 114	7.18 6.2
R-20-	130 ft N. of power pole 22-3; 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.	R3/4-20 27 ft E. of 1/16 cor. iron pipe; 3/8-in. rod proj 0.3 ft; in center of 6- by 6-foot square white pa	ecting
	Red Elev. 1142.04 Panel Elev. 1141.7	Rod Elev. 114 Panel Elev. 114	7.93
Rt-20t	9 ft S. of 1/16 cor. iron pipe; 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.	S-20 16 ft N. of dim rd.; G.L.O. 1/4 cor. iron pipe projecting 1.2 ft; in center of 9- by 9-foot squa	
JF 179	Rod Elev. 1144.59 Panel Elev. 1144.3	white panel. Pipe Elev. 115	51.09
R}-201	240 ft SE. of 1/16 cor. iron pipe, 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.	Panel Elev. 114	9.9
	Rod Elev. 1147.56 Panel Elev. 1147.3	TIER 20 3/4 (USGS Leveling, 1965)	4 91
R3/4-201	A 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.	Q-20 3/4 On powerline right-of-way; 3/8-in. rod projecting 0.3 ft: in center of 6- by 6-foot aquare white pa	inel.
	Rod Elev. 1148.67 Panel Elev. 1148.4	Rod Elev. 113 Panel Elev. 113	11.07
s-20‡	A 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.	Qt-20 3/4 About 300 ft E. of Maricopa Highway; 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot aqua white panel.	ire
100 E	Rod Elev. 1149.06 Panel Elev. 1148.8	Rod Elev. 113	13.41 13.1
	TIER 20} (USGS Leveling, 1965)	Q2-20 3/4 5 ft W. of 1/16 cor. iron pipe (rusted off); 3/6- rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.	in.
P-201	A G.L.O. 1/4 cor. iron pipe projecting 0.7 ft; in center of 9- by 9-foot aquare white panel.	Rod Elev. 113 Panel Elev. 113	16.30 36.0
	Pipe Elev. 1122.77 Panel Elev. 1122.1	Q3/4-20 3/4 A 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.	52.07
P1-201	At center of sec. 36; G.L.C. Ci cor. iron pipe projecting 0.7 ft; in center of 9- by 9-foot square	Rod Elev. 113 Panel Elev. 113	
	white panel. Pipe Elev. 1127.46 Panel Elev. 1126.8	R-20 3/4 A 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.	
Q-20j	About 65 ft W. of powerline: 3/8-in. rod projecting	Red Elev. 114 Panel Elev. 114	
	0.3 ft; in center of 9- by 9-foot square white panel. Rod Elev. 1130.96 Panel Elev. 1130.7	Rt-20 3/4 54 ft B. of rd.; 3/8-in. rod projecting 0.3 ft; i center of 6- by 6-foot square white panel.	ln
Q-20j	About 100 ft E. of Maricopa Highway; 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square	Rod Elev. 114 Panel Elev. 114	3.17
	white panel. Rod Elev. 1139.51	R_2^4 -20 3/4 A 3/8-in. rod projecting 0.3 ft; in center of 6- by 6-foot square white panel.	122
	Panel Elev. 1139.2	Rod Elev. 114 Panel Elev. 114	14.75 14.5
63-503	At center of sec. 31; G.L.O. C_2^{\dagger} cor. iron pipe projecting 0.3 ft; in center of 9- by 9-foot square white panel.	R3/4-20 3/4 About 175 ft W. of power pole No. 23-2; G.L.O. iron pipe projecting 0.5 ft; in center of 6- by 6 square white panel.	1/16 cor. 5-foot
	Pipe Elev. 1139.46 Panel Elev. 1139.2	Pipe Elev. 114 Panel Elev. 114	17.55 17.1
Q3/4-20}	7 ft SW, of 1/16 cor. (rusted off) iron pipe; 3/8-in, rod projecting 0.5 ft; in center of 6- by 6-foot square white panel.	S-20 3/4 About 500 ft N. of power pole No. 23-4; G.L.O. 1/ iron pipe projecting 0.5 ft; in center of 6- by 6	/16 cor. 5-foot
A01 1.8	Rod Elev. 1142.25 Panel Elev. 1141.8	square white panel. Pipe Elev. 115 Panel Elev. 115	50.51
R-20½	A 3/8-in. rod projecting 0.3 ft; in center of 9- by 9-foot square white panel.		7.700
	Rod Flay 1142.69	MANUAL LINE THE	

Rod Elev. 1142.69 Panel Elev. 1142.4

STATION	DESCRIPTION EI	LEVATION (feet)	STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)
0-21	TIER 21 T. 2 S., R. 2 E., near SW. corner of sec. 35.		P-21	T. 3 S., R. 3 E., near NW. cor To reach from SP RR. crossing on hwy. toward Phoenix for 11.	ner of sec. 1. in Maricopa, drive N. O5 mi to Pinal-Maricopa
	To reach from post office at Laveen, drive S. black top rd. for 6.05 mi to end of pavement, continue on graveled rd. for 0.3 mi to rd. for take right fork and go SSE. for 3.15 mi to bri Santa Cruz Wash, thence continue for 0.05 mi thence take left fork for 0.15 mi to trail E. thence turn left on trail and follow about 200 Cruz Wash, thence continue SE. on trail for a 150 ft to trail for at top of bank, thence turn left on the top of bank.	, drive S. on pavement, thence to rd. forks, thence 5 mi to bridge over r 0.05 mi to rd. fork, o trail E. at wash, w about 200 ft to Sante trail for another		County line, thence turn left O.1 mi to fork, thence take le fork, thence take left fork an trail, thence continue W. on t large mesquite tree on S. side left and follow dim tracks SW. bush and station site; at NW. in top of concrete post projec Engineers disk stamped "EM P-	ift fork and go 0.2 mi to dd go 0.2 mi to cross track rd. for 0.5 mi to of trail, thence turn for 0.25 mi to isolated dush:
	and go 0.7 mi SE. to Indian cemetery, thence c SE. on main trail for 0.9 mi to pipeline, then left of row of trees and continue SE. 0.85 mi	ce stay to		X = 471,060.66 Y = 801,706 Horizontal position and elevat	ion by USGS in 1965.
	isolated clump of trees on right, thence turn- trail and go EME. across country for 0.4 mi to and station; in center of black asphalt panel; of concrete post projecting 0.4 ft; Corps of E disk stamped "TT G-21 1948" (Not visited by U	panel in top	P-21 Panel USGS	22 ft SW. of station P-21; cen white panel, with two 3- by 12 identification.	ter of 9- by 9-foot square -foot wing panels for
	disk stamped "TT G-21 1948" (Not visited by U 1965)	SQS 1n	. 4	x = 471,053.18 Y = 801,685	.05 1124.4
G-21	X = 434,290.82 Y = 802,155.73 The center of black asphalt cross-target panel	1060.8	Pi-21 USOS	A 3/8-in. rod projecting 0.3 f 9- by 9-foot square white pane	
Panel AMS		1060.4		No horizontal position establi	shed. Rod Elev. 1128.33 Panel Elev. 1128.0
J-21	T. 3 S., R. 3 E., about 0.2 mi E. of NW. corner of sec. 6. To reach from St. Johns Indian School, drive S. on 51st Avenue for 1.3 mi to rd. fork, thence take left fork and go 2.4 mi to powerline crossing, thence turn right on powerline rd. and go SE. for 4.0 mi to cross trail, thence turn left and go about 400 ft to panel and station. In center of black and white		3-51	T. 3 S., R. & E., about 650 ft sec. 6. To reach from junction and Williams Field Road, drive for 7.3 mi to Maricopa-Pinal C site; 36 ft WHW. of centerline concrete post projecting 0.5 f stamped "TT Q-21 1962 ARWI MAP	n of Maricopa Highway S. on Maricopa Highway ounty line rd. and station of hwy.; in top of
	panel; in top of concrete post projecting 0.3 of Engineers disk stamped "J-21 1948" (Not vi USGS in 1965)	sited by		x = 476,668.00 Y = 801,966	.10 1134.92
		1082.8	Q-21 Panel USGS	Centered over station mark; 6- panel in center of 12- by 12-fe	by δ-foot square black oot square white panel.
J-21 Panel AMS	The center of black and white cross-target pane	_		Same horizontal position as st	ation mark 1134.4
	Same horizontal position as station mark	1082.5	Q-21 VSQS	54 ft N. of rd.; 45 ft W. of d: 0.3 ft; in center of 6- by 6-fe	rain; 3/8-in. rod projecting
L-21	T. 2 S., R. 3 E., near SW. corner of sec. 33. from post office in Laveen, go S. on black top 6.05 ml to end of pavement, thence continue on rd. 0.3 ml to rd. fork, thence take left fork SE. on graded rd. for 6.15 ml to where rd. mak	rd. for graveled		No horizontal position establis	The state of the s
	to E. (at station E-20), thence turn right on: through heavy brush and go 1.35 mi to T- trail lone tree, thence turn right and go S. about 40 to panel and station; 36 ft E. of trail; in cen black and white panel; in ton of concrete post	rd. SE. SW. at OO ft iter of	ušos ušos	A G.L.O. 1/4 cor. iron pipe pr of 9- by 9-foot square white po No horizontal position establis	anel.
	projecting 0.3 ft; Corps of Engineers disk star "L-21 1948" (Not visited by USGS in 1965) X = 455,217.32 Y = 802,332.23	1097.5	03/4-21	A G.L.O. 1/16 cor. iron pipe p	
L-21	Center of black and white cross-target panel.	1091.5	USGS	of 6- by 6-foot square white portion of 6- by 6	
Panel	Same horizontal position as station mark	1097.2		KIND E SIGNED	Panel Elev. 1138.6
N-21	T. 3 S., R. 3 E., near NW. corner of sec. 3. 7 reach from post office at Laveen, drive S. on b rd. for 6.4 mi to rd. fork, thence take left ff follow main rd. for 6.15 mi to bend to E., ther right on track rd. and go SE. for 1.75 mi to he area at drain, thence turn left and follow dim N. side of drain for 0.6 mi to clearing and ste site; in center of small sand clearing; in top concrete post projecting 0.3 ft; Corps of Engir disk stamped "N-21 1948"	plack top ork and nos turn navy brush trail on tion of	R-21	T. 2 S., R. 4 E., about 0.1 mi To reach from junction of Marico Field Road, drive S. on Marico powerline crossing, thence turn rd. SE. for 0.75 mi to cross r go S. along trail for 0.4 mi to left fork SE. for 0.1 mi to tra- fork for 0.05 mi to station si trail; in top of concrete post of Engineers disk stamped "EM I	copa Highway and Williams pa Highway for 6.15 ml to n left and follow powerline seat the fork, thence take all fork, thence take left to on left: 18 ft EME. of
	X = 460,304.91 Y = 801,420.42 Horizontal position by USGS in 1965.	102.7		X = 481,164.51 $Y = 802,479$. Position by USGS in 1965.	.79 1139.78
M-21 Panel	Centered over station mark; 6- by 6-foot square panel.	black	R-21 Panel USGS	Centered over station mark; 9-panel.	by 9-foot square white
USOS	Seme horizontal position as station mark	102.4		Same horizontal position as sta	ation mark 1139.4
N-5J	T. 2 S., R. 3 E., near SW. corner of sec. 35. reach from SP RR. crossing in Maricopa, drive N hwy. toward Phoenix for 10.0 mi to crossroads, turn left and go 1.6 mi to where rd. bends N.,	. on thence thence	S. of R-21 Panel USGS	About 0.1 mi S. of station R-22 pipe projecting 0.4 ft; in cent square white panel, with two 3- S. and E.	ter of 9- by 9-foot
0.22	continue N. on rd. for 1.3 mi to panel and stat right; about 180 ft E. of rd.; in top of concre projecting 0.5 ft; Corps of Engineers disk stam "TR N-21 1948"	ion on		No horizontal position establis	panel Elev. 1140.53 Panel Elev. 1140.1
*//		115.65	R1-21 USO8	A 3/8-in. rod projecting 0.4 ft 6- by 6-foot square white panel	
N-21 Panel	Center of black asphalt cross-target panel.			No horizontal position establis	thed. Rod Elev. 1141.98 Panel Elev. 1141.6

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STATION	DESCRIPTION ELEVATION (feet)	STATION	DESCRIPTION ELEVATION (feet)	
R1-21 UBOS	18 ft W. of G.L.O. 1/4 cor.; 3/8-in. rod projecting 0.3 ft; in center of 9- by 9-foot square white panel.	Y-21	T. 2 S., R. 5 E., near SE. corner of sec. 32. To reach from junction of State Highways 87 and 93 (7.0 mi S. of Chandler), go S. on Highway 93 for	
	No horizontal position established. Rod Elev. 1144.48 Panel Elev. 1144.2		cross road and station site; 65 ft NW. of intersection ll ft N. of centerline of EW. ditch; 10 ft W. of	n;
R3/4-21 USGS	48 ft W. of dim rd.; G.L.O. 1/16 cor. iron pipe projecting 1.5 ft; in center of 6- by 6-foot square white panel.		centerline of NS. ditch; 2 ft S. of corner power pole; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "TT Y-21 RESET AMS 1953"	
	Pipe Elev. 1147.59 Panel Elev. 1146.1		X = 517,992.25 Y = 801,681.59 1201.48	
274.	The state of the s	Y-21 Panel MMGS	About 28 ft W. of station Y-21; center of 12- by 12-fc square white panel.	oot
S-21	T. 3 S., R. 4 E., near NW. corner of sec. 4. To reach from junction of Maricopa Highway and Williams Field Road, drive S. on Maricopa Highway for 6.15 mi		X = 517,964.58 Y = 801,683.24 1200.4	
	to powerline crossing, thence turn left and follow powerline rd. SE. for 1.9 mi, thence turn right and go SW. across country for 0.1 mi to panel and station. In center of black and white panel; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "TT S-21 1948"		TIER 21½ (USGS Leveling, 1965)	
*	**************************************	P-21 }	A 3/8-in. rod projecting 0.3 ft; in center of 9- by 9-foot square white panel.	
5-21	The center of black and white cross-target panel.		Rod Elev. 1126.30	
Panel AMS	Same horizontal position as station mark. 1148.1		Panel Elev. 1126.0	
T-21	T. 3 S., R. 4 E., about 0.15 mi W. of NE. corner of sec. 4. To reach from junction of Maricopa Highway	P}-21}	At center of sec. 1; 12 ft N. of rusted off G.L.O. iro pipe; 3/8-in. rod projecting 0.3 ft; in center of 9- by 9-foot square white panel.	on
	and Williams Field Road, drive S. on Maricopa Highway for 6.15 mi to powerline crossing, thence turn left and follow powerline rd. SE. for 3.0 mi to NS.	4	Rod Elev. 1127.72 Panel Elev. 1127.4	
	trail, thence turn left and go N. for 0.3 ml to rd. fork in alkali flat, thence take left fork and go NW.	Q-21}	80 ft W. of Maricopa Highway; 40 ft E. of telephone po	ole
16	for 0.25 mi to station site on left; in small alkali flat; 21 ft SW. of trail; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "BM T-21 1948"	H 345	No. 6; 3/8-in. rod projecting 0.3 ft; in center of 9- by 9-foot square white panel.	
20.00	x = 491,033.66	500	Rod Elev. 1131.74 Panel Elev. 1131.4	-
T-21 Panel	Centered over station mark; 6- by 6-foot square white panel, with three 3- by 12-foot wings.	6 ² -51 ³	At center of sec. 6; G.L.O. Cl/4 cor. iron pipe projecting 0.4 ft; in center of 9- by 9-foot square white panel.	
usas	Same horizontal position as station mark 1157.3		Pipe Elev. 1140.01 Panel Elev. 1139.6	
V-21	T. 3 S., R. 4 E., near NW. corner of sec. 2. To reach from junction of State Highways 87 and 93 (7.0 mi S. of Chandler), drive S. on Highway 93 for	R-211	A G.L.O. 1/4 cor. iron pipe projecting 0.7 ft; in cent of 9- by 9-foot square white panel.	ter
	0.8 mi to T-rd. W., thence turn right and go W. for 3.0 mi, thence jog S. for 0.2 mi, thence continue W. for 2.0 mi to powerline crossing, thence turn right along powerline for 0.3 mi to crossroads, thence turn		Pipe Elev. 1143.73 Panel Elev. 1143.0	
	right and go NE. for 0.8 mi to panel and station; 40 ft NW. of trail; in center of panel; in top of concrete post; Corps of Engineers disk stamped "TR U-21 1948" (Not visited by USGS in 1965)	R1-211	At N. edge of dry lake; 3/8-in. rod projecting 0.3 ft; in center of 9- by 9-foot square white panel.	i
	x = 498,299.80 Y = 800,710.83 1167.81		Rod Elev. 1146.16 Panel Elev. 1145.9	
U-21 Panel	Center of black and white cross-target panel.	s-21 }	A G.L.O. 1/4 cor. iron pipe projecting 0.6 ft; in cent	
AMS	Horizontal position and elevation same as station mark		of 9- by 9-foot square white panel.	162
M-51	T. 2 S., R. 4 E., near SE. corner of sec. 36. To reach from junction of State Highways 87 and 93		Pipe Elev. 1153.28 Panel Elev. 1152.7	
	(7.0 mi S. of Chandler), go S. on Highway 93 for O.1 m to cross road, turn right and go W. for 3.0 mi to NS. rd. and station site; NW. of T-rd. E.; 21 ft W.	1	TIER 22	
	of centerline of NS. rd.; at E. edge of NS. ditch at S. edge of ditch E.; in top of concrete abutment; Corps of Engineers disk stamped "TT W-21 1948"	; L-22	T. 3 S., R. 3 E., near NV. corner of sec. 9.	
			To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 7.0 ml to cross road just N. o	of .
W-21	x = 507,403.03 Y = 801,513.98 1183.15 Located 57 ft SW. of station W-21; center of		Fime Butte, thence turn left and go W. for 1.05 mi to rd. fork, thence take right fork and go 2.95 mi to trai leading N., thence turn right and follow faint trail N	11
Panel USGS	12- by 12-foot square white panel. x = 507.378.73		for 0.7 mi to NW. end of dyke, thence go N. across country to S. bank of Gila River and station site; on	•
X-21	T. 2 S., R. 5 E., near SE. corner of sec. 31.		 edge of thick salt cedar; 125 ft E. of lone tree; t W. of another lone tree; in top of concrete post projecting O.1 ft; Corps of Engineers disk stamped "L-22 1948" 	
	To reach from junction of State Highways 87 and 93 (7.0 mi S. of Chandler), go S. on Highway 93 for 0.1 m thence turn right and go 2.0 mi W. to T-rd. N. and station site; 30 ft N. of centerline of EW. rd.;	i,	X = 455,085.76	Ş.
55.5	11 ft W. of centerline of rd. N.; 3 ft NW. of fence corner; in top of concrete post projecting 0.3 ft; Cor of Engineers disk stamped "TT X-21 RESET AMS 1952"	ps L-22 Panel USGS	Centered over station mark; 6- by 6-foot square white panel.	
	x = 512,714.95 Y = 801,581.34 1193.54		Same horizontal position as station mark. 1087.3	
PP X-21 AMS	On E. side of NS. rd.; centerline of ditch E. at point of disappearance.	1000 000 - 1114	=	
	x = 512.734.57 $Y = 801.592.97$ 1192.7			

STATIO	N DESCRIPTION ELEVATION (rest)	STATION	DESCRIPTION PLANE COORDINATES (feet)
H-55	T. 3 S., R. 3 E., near SW. corner of sec. 3. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 9.9 mi to cross road, thence turn left and go 1.75 mi to where rd. begins to bend N., thence leave main rd. and go W. 0.1 mi to cross road, thence turn left for 0.1 mi to another cross road, thence turn right and go W. for 0.9 mi	1997.	T. 3 S., R. & E., near SW. corner of sec. 5. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 9.9 mi to cross road, thence turn right and go E. for 1.1 mi to rd. S. and station 'aite; 47 ft H. of centerline of main rd.; 20 ft E. of trail; at S. edge of mesquite tree: in top of concrete
	to fork, thence take left fork and go 350 ft to cross road, thence turn left and go S. for 300 ft to crosstrails and station site; on W. edge of trail; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "N-22 1946"	7	post projecting 0.6 ft; Corps of Engineers disk stamped "BM R-22 1948" X = 481,267.32 Y = 796,732.14 1143.17 Horizontal position by USGS in 1965.
	X = 460,544.52 Y = 797,295.42 Horizontal position by USGS in 1965.	R-22 Panel USGS	18 ft S. of station mark; center of 9- by 9-foot square white panel. (There are wing panels ME. and MW.)
M-22 Panel	Centered over station mark; 6- by 6-foot square white panel.	1 10 10 10	x = 481,268.92 x = 796,714.00 1142.3
USOS	Same horizontal position as station mark 1102.8	R}-22 USGS	N. of rd.; 3/8-in. rod projecting 0.3 ft; in center of 9- by 9-foot square white panel.
N-55	T. 3 S., R. 3 E., near SW. corner of sec. 2. To reach from SF RR. crossing in Maricopa, drive N. on hwy, toward Phoenix for 9.9 mi to cross road, thence turn left and go 1.8 mi to curve to N. and station site; at N. end of curve; 42 ft WSW. of centerline of main rd.; 31 ft E. of centerline of NS. secondary rd.; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "TT N-22 1948"	5-22	Panel Elev. 1147.5 T. 3 S., R. 4 E., near SW. corner of sec. 4. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 9.9 mi to cross road, thence turn right and go E. for 2.2 mi to trail N. and station site; 35 ft N. of centerline of main rd.; 7 ft E. of trail; in
N-22	X = 465,520.64 Y = 797,261.01 1120.64 Centered over station mark; 6- by 6-foot square white	Strange Stranges	Engineers disk stamped "TT 8-22 1948"
Panel USGS	Same horizontal position as station mark 1120.3	S-22 Panel	X = 486,973.21 Y = 796,721.89 1154.42 Centered over station mark; 9- by 9-foot square white panel, with two 3- by 12-foot wing panels W. and N.
V-273 Cags BM	T. 3 8., R. 3 E., about 0.25 mi W. of SE. corner of sec. 2. To reach from SP RR. crossing in Maricopa, drive M. on hwy. toward Phoenix for 9.9 mi to cross road, thence turn left and go W. for 1.1 mi to station site on right; about 0.35 mi W. of station P-22; 67 ft M. of centerline of rd; in top of concrete post projecting 0.3 ft; USCAGS standard disk stamped V 273 1948	USGS T-22	Same horizontal position as station mark 1154.0 T. 3 S., R. 4 E., near SW. corner of sec. 3. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 9.9 mi to cross road, thence turn right and go E. for 3.1 mi to dim NS. trail and station; 33 ft N. of centerline of main rd.; 6 ft E. of
	X = 469,455.08 Y = 796,750.49 1125.39 Horizontal position triangulated by AMS in 1962.		trail; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "BM T-22 1948" X = 491,799.48 Y = 796,720.05 1161.96
V-273 Panel USGS	Centered over station mark; small white cross-target; each wing panel of cross-target is 3- by 12-foot, oriented in approximately cardinal directions.	T-22 Panel	Horizontal position by USGS in 1965. Centered over station mark; 6- by 6-foot square white panel.
	Same horizontal position as station mark 1125.1	USGS	Same horizontal position as station mark 1161.6
P-22	T. 3 S., R. 3 E., near SW. corner of sec. 1. To reach from SP RR. crossing in Maricopa, drive M. on hwy. toward Phoenix for 9.9 mi to cross road, thence turn left and go W. for 0.8 mi to panel and station right; about 110 ft M. of rd.; in center of permanent panel; in top of concrete post projecting 0.6 ft; Corps of Engineers disk stamped "TT P-22 1948"	V-55	T. 3 S., R. 4 E., near SE. corner of sec. 3. To reach from junction of State Highways 87 and 93 (7.0 mi S. of Chandler), drive S. on Highway 93 for 0.8 mi to cross road, thence turn right and go 3.0 mi to NS. rd., thence turn left for 0.2 mi, thence turn right and continue W. for 2.0 mi to powerline crossing and station site; 51 ft NE. of T-rd. S.; 36 ft N. of centerline of
	x = 471,156.80 Y = 796,786.91 1128.82		main EW. rd.; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "TT U-22 1948"
P-22 Panel AMS	Centered over station mark; black and white painted cross-target panel.		x = 497,115.51
	Same horizontal position as station mark 1128.2	U-22 Panel USGS	Centered over station mark; 5- by 5-foot square white panel.
USGS	57 ft N. of centerline of rd.; 3/8-in. rod projecting 0.3 ft; in center of 9- by 9-foot square white panel. No horizontal position established. Rod Elev. 1133.03	PP U-22	Same horizontal position as station mark 1171.3 Centerline of EW. rd. at intersecting centerline of secondary rd. S. (T-rd. S.)
	Panel Elev. 1132.7		X = 497,079.5 Y = 796,675.4 1170.7
Q-55	T. 3 S., R. 3 E., about 0.15 mi W. of NE. corner of sec. 12. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 9.9 mi to cross-roads and station; 37.5 ft. F. of centralization of the second		TIER 23
	roads and station; 37.5 ft E. of centerline of hwy.; 22.5 ft 5. of centerline of EW. d.; 4.7 ft W. of telephone pole; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "TT Q-22 1962 ARMY MAP SERVICE"	1-53	T. 3 S., R. 2 E., hear SE. corner of sec. 10. To reach from post office in Laveen, drive S. on black top rd. for 6.3 ml to rd. fork, thence take right fork and go southerly, passing through Santa Cruz village, for 7.15 ml to junction with trail SE., thence turn left and go SE. for 0.35 ml to trail junction, thence turn right and go
Q-22	X = 475,267.18 - Y = 796,664.32 1136.74	2	of trail: in center of black and white namel: in ton or
Panel USGS	Located 57 ft S. of station mark; center of 9- by 9-foot square white panel.	2 2 3	concrete post projecting 0.1 ft; Corps of Engineers disk stamped "0-23 1948" (Not visited by USGS in 1965)
	x = 475,277.78		X = 433,395.53 Y = 791,522.35 1080.50
0203 63-55	On S. side of rd.; 3/8-in. rod projecting 0.3 ft; in center of 9- by 9-foot square white panel.	G-23 Panel AMS	Centered over station mark; black and white cross-target panel. Same horizontal position as station mark 1080.4
	Rod Elev. 1137.93 Panel Elev. 1137.6	ercerni 9.0a	1000.4

H	STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)	STATION	DESCRIPTION ELEVATION (Feet)
	<i>3</i> -23	T. 3 5., R. 2 E., near SE. corner of sec. 1 reach from SP RR. crossing in Maricopa, dri on hwy. toward Fhoenix for 3.2 mi to powerl crossing, thence turn left and go MW. on pofor 6.2 mi to large sandy clearing, thence and go W. across country, staying on N. sid brushline, for 1.5 mi to group of large mes and station site; about 300 ft N. of heavy in center of permanent panel; in top of con Corps of Engineers disk stamped "J-23 1948" visited by USOS in 1965)	ye N. line werline rd. turn left te of heavy quite trees brushline; crete post; (Not	20124 07.1 08.000000 08.000000 08.00000000000000	T. 3 S., R. 4 E., near NW. corner of sec. 18. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 9.75 mi to treek rd. E., thence turn right and go 0.15 mi to cross road, thence turn right and follow meandering rd. S. for 0.8 mi to reverse rd. fork and station; 13 ft E. of NS. rd.; 15 ft NW. of trail NE.; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped TT Q-23 1962 ARMY MAP SERVICE X = 476,266.30 Y = 791,208.34 1127.0
		X = 443,668.90 Y = 791,757.42	1082.0	Q-23	Centered over station mark: 12- by 12-foot square white
	J-23 Panel AMS	Gentered over station mark; black cross-tar Same horizontal position and elevation as a		Panel USGS	panel. Same horizontal position as station mark 1126.6
1	L-23	T. 3 S., R. 3 E., near NW. corner of sec. 1 from SP RR. crossing in Maricopa, drive N. toward Phoenix for 6.7 mi to cross road at Plma Butte, thence turn left and go NW. for d. fork at N. end of Plma Butte, thence ts fork and follow main traveled rd. northwest 3.05 mi to panel and station on left; in ce black panel; in top of concrete post projecft; Corps of Engineers disk stamped "TT I-2	on hwy. E. end of 1.05 mi to tke right erly for	12	hwy. toward Phoenix for 10.0 mi to cross road, thence turn right and go E. for 1.15 mi to cross road, thence turn right and go S. for 0.95 mi to abandoned ditch crossing and station site; located 40 ft W. of centerlin of NS. rd; 23 ft S. of abandoned ditch; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "BM R-23 1948"
	Agent	the state of the s	1097.3	1.4719.1. 1.271.2	X = 481,192.19 Y = 791,600.87 1136.4 Ediziontal position by USGS in 1965.
	L-23 Panel AMS	Centered over station mark; black cross-tax Same horizontal position as station mark	84 <u> </u>	R-23 f. Penel USGS	Centered over station mark; 6- by 6-foot square black panelbackgrounded by 12- by 12-foot white panel. Same horizontal position as station mark 1136.0
1	M-23	T. 3 S., R. 3 E., near SE. corner of sec. 9 reach from SP RR. crossing in Maricopa, dri hwy. toward Phoenix for 6.7 mi to cross roof Pima Butte, thence turn left and go NW. mi to rd. fork, thence take right fork and traveled rd. for 2.15 mi to trail fork, the right and go 0.25 mi to dim trail leading N turn right and go N. for 0.25 mi to trail E turn right and go 0.1 mi to station site; I concrete post projecting 0.5 ft; Corps of E disk stamped "M-23 1948"	d at E. and for 1.05 follow main nce turn , thence , thence n top of	2000 2012/2014 2024/10/2014	T. 3 S., R. 4 E., near MZ. corner of sec. 17. To reach from junction of State Highways 87 and 93 (7.0 mi 8. of Chandler), go S. on Highway 93 for 0.8 mi to cross road, thence turn right and go 3.0 mi W. to curve S., thence jog S. for 0.2 mi, thence continue on main rd. W. for 2.0 mi to powerline and rd. S., thence turn left and go S. 0.25 mi to rd. junction, thence turn right and go W. on main traveled rd. for 0.95 mi to dim trail to SW., thence turn left and go SW. for 0.75 mi to N. bank of river bottom, thence continue SW. for
	- 25	X = 460,144.22 Y = 791,535.30 Horizontal position by USGS in 1965. Centered over station mark; 6- by 6-foot sq	1096.0		of concrete post projecting 0.5 ft; Corps of Engineers disk stamped "TT S-23 1948"
- 1	4-23 Panel USGS	panel. Same horizontal position as station mark	1095.5	8-23	x = 486,235.62
1	N-23	T. 3 S., R. 3 E., near NW. corner of sec. 1 reach from SP RR. crossing in Maricopa, dri hwy. toward Phoenix for 7.7 mi to N. end of butte on left and rd. W., thence turn left wasterly on main traveled rd. for 1.1 mi to thence take right fork and go NW. for 0.2 mi trail N., thence turn right and follow mean trail N. for 0.6 mi to heavy brushline, the left and go W. 0.2 mi to station site; in clearing; in center of old circular rock ps covered with mud); in top of concrete post below surface of ground; Corps of Engineers stamped "TT N-23 1948"	ve N. on small and go ofork, it to dim dering mnce turn mall noel (now 0.3 ft	Panel USGS T-23	Same horizontal position as station mark 1145.0 T. 3 S., R. 4 E., near SE. corner of sec. 9. To reach from junction of State Highways 87 and 93 (7.0 mi S. of Chandler), drive S. on Highway 93 for 0.8 mi to rd. W., thence turn right and go W. for 3.0 mi, thence turn S. for 0.2 mi, thence continue W. for 3.0 mi to dim trail S., thence turn left and follow trail due S. for 1.0 mi and station mark on right; 21 ft W. of trail; 3 ft E. of fence at large post; in top of concrete post projecting 0.4 ft; Corps of Engineers disk stamped "BM T-23 1948".
		X = 465,947.71 Y = 791,090.01	1105.19		x = 491,779.86
- 1	(-23 Panel JSGS	Centered over station mark; 12- by 12-foot white polyethylene panel. Same horizontal position as station mark	square	T-23 Panel	Horizontal position by USGS in 1965. Centered over station mark; 6- by 6-foot square white panel.
				USGS	Same horizontal position as station mark 1153.0
	P-23	T. 3 S., R. 3 E., near NW. corner of sec. I reach from SP RR. crossing in Maricopa, dri hwy. toward Phoenix for B.3 mi to trail NW. of Gila River, thence turn left and follow for O.4 mi, thence turn left off trail and country for O.2 mi to large clearing and so n N. side of easternmost of three large tr of concrete post projecting O.3 ft; Corps of disk stamped "P-23 1948"	ve N. on on N. side trail NW. go S. across ation site; "es; in top of Engineers	บ-23	T. 3 S., R. 4 E., near SW. corner of sec. 11. To reach from junction of State Highways 93 and 87 (7.0 mi S. of Chandler), drive S. on Highway 93 for 0.8 mi to rd. W., thence turn right and go W. for 3.0 mi, thence turn S. and go 0.6 mi to rd. W., thence turn right and go W. for 1.75 mi to bend in main rd. just N. of adobe building and trail W., thence turn left and go 0.05 mi to trail SW., thence turn left and go SW. on main trail for 0.6 m to ditch crossing and station site; 23 ft NE. of
12	2-21	X = 471,355.52 Y = 790,855.62 Horizontal position by USGS in 1965. Centered over station mark; 6- by 6-foot sq	1114.5		centerline of ditch; 13 ft SE. of centerline of trail; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "TT U-23 1948"
E	Panel ISOS	panel.		· ·	x = 497,273.12 Y = 791,515.79 1165.17
	W MISS	Same horizontal position as station mark		U-23 Panel USGS	Centered over station mark; 12- by 12-foot square white panel, with two 3- by 12-foot wing panels.
		140	19	安 され	Same horizontal position as station mark 1164.9

			660 0	
NOITATE	DESCRIPTION ELEVATION (Feet		DESCRIPTION PLANE COORDINATES	ELEVATION (feet)
W-23	T. 3 S., R. 4 E., about 840 ft S. of NE. corner of sec. 13. To reach from junction of State Highways and 93 (7.0 mi S. of Chandler), go S. on Highway 93 for 0.8 mi to rd. W., thence turn right and go W. f 3.0 mi to turn S., thence turn left and go S. 0.7 m to turn W., thence turn right and go W. for 1.2 mi to powerline crossing, thence turn sharp left onto powerline rd. and go SE. for 1.3 mi to cross trail station site; 15 ft N. of powerline rd.; 15 ft W. of trail; 25 ft NE. of power pole No. 279; in top of concrete post projecting 0.2 ft; Corps of Engineers	or it.	T. 3 8., R. 3 B., about 0.1 mi SE. of NW. c sec. 24. To reach from SF RR. crossing in drivs M. on hwy. toward Phoenix for 7.7 mi thence turn left and go 0.1 mi to fork, the fer 0.15 mi to station site; about 0.15 mi small top; about 100 ft W. of small oval-sh flat; in top of concrete post projecting 0. of Engineers disk stamped "P-24 1048"	corner of Maricopa, to trail W., nce turn let WSW. of
	disk stamped "TR W-23 1960 ARMY MAP SERVICE" X = 507,561.25 Y = 790,656.23 1187.	-1-	X = 471,253.73 Y = 785,656.76 Herizontal position by USGS in 1965.	1126.6
W-23	Centered over station mark; 12- by 12-foot square	P-24 Panel	Centered over station mark; 6- by 6-foot sq-panel.	uare white
Panel USGS	white panel. Same horizontal position as station mark 1187.	USGS	Same horizontal position as station mark	1126.4
	Same horizontal position as station mark 1187.		S GET	
Y-23	T. 3 S., R. 5 E., near NW. corner of sec. 16. To reach from junction of State Highways 67 and 93 (7.0 mi 8. of Chandler), drive 8. on Highway 93 for 2.5 mi to rd. W., thence turn right and go northwes for 0.7 mi to cross road, thence turn right and go 0.1 mi to ditch crossing and station site; 17 ft S. abandoned irrigation ditch; 14.5 ft E. of rd.; in t of concrete post projecting 0.5 ft; Corps of Engine disk stamped "TT Y-23 1962 ARMY MAP SERVICE"	of op	T. 3 S., R. 4 E., about 0.2 mi SE. of NW. c. sec. 19. To reach from SP RR. crossing in i drive N. on hwy. toward Phoenix for 6.7 mi on E. side of Plan Butte, thence turn right for 0.4 mi to Trd. N., thence turn left an 0.8 mi to trail intersection and station si of centerline of NS. rd.; 2.4 ft SW. of c. post; in top of concrete post projecting 0.0 of Engineers disk stamped "TT Q-24 1948 RES	Maricopa, to cross road and go E. d go N. for te; 32.5 ft to orner fence
	x = 518,595.44 Y = 791,383.22 1206.	7.5	X = 475;325.75 Y = 784,990.13	1134.0
Y-23 Panel USOS	Centered over station mark; 12- by 12-foot square white panel.	Q-24 Panel USGS	Centered over station mark; 6- by 6-foot squared.	uare white
0303	Same horizontal position as station mark 1206.	2	Same horizontal position as station mark	1133.8
I-24	TIER 24 T. 3 S., R. 3 E., near SE. corner of sec. 17. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 3.2 mi to powerline cross	R-24	T. 3 S., R. 4 E., near SW. corner of sec. 1' To reach from SP RR. crossing in Maricopa, a hay. toward Phoenix for 10.0 mi to cross ro turn right and go E. for 1.1 mi to rd. S., right and go S. for 2.0 mi to station site a E. of centerline of NS. rd.; 28 ft H. of I large wash; in top of concrete post project:	drive N. on ad, thence thence turn on left; 47 : N. bank of
	thence turn left and go MV. on powerline rd. for 4.5 to large sandy clearing, thence turn right and go E. across country, following clearing, to station site; at N. edge of clearing; about 75 ft W. of deep drain in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "L-24 1948"	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Corps of Engineers disk stemped "BM R-24 1948 RESET AMS 1956" X = 481,271.60 Y = 786,190.33 Horizontal position by USGS in 1965.	
	X = 454,531.35 Y = 786,274.36 1095.9 Horizontal position by USOS in 1965.	R-24 Panel USGS	Centered over station mark; 6- by 6-foot squared.	Mare White
L-24 Panel USOS	Centered over station mark; 6- by 6-foot square white panel.		Same horizontal position as station mark	1134.3
M-54	Same horizontal position as station mark 1095.6 T. 3 S., R. 3 E., near SW. corner of sec. 15. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 6.7 mi to cross road, the turn left and go NW., on N. side of Pima Butte, for 1.05 mi to fork, thence take right fork and go westerly for 1.45 mi to fork, thence take left fork and go 0.3 mi to trail SW., thence turn left and go SW. for 0.2 mi, thence turn left and go S. 0.05 mi t large lone tree at NW. end of group of three trees and station; 32 ft W. of tree; in top of concrete po projecting 0.4 ft; Corps of Engineers disk stamped "M-24 1918".	nce	T. 3 S., R. 4 E., near SE. corner of sec. 1; from SP RR. crossing in Maricopa, drive N. of Phoenix for 10.0 mi to cross road, thence turn rigi for 1.0 mi to cross trail, thence turn rigi for 1.0 mi to cross trail, thence turn left main traveled trail for 0.6 mi to trail for left fork and go 0.1 mi to crosstrail, thence and go S. 0.35 mi to clearing, thence SE. ac for 0.35 mi, thence cross a brushy drain, at SE. for 0.35 mi to SE. edge of clearing and (use 4-wheel drive vehicle and photography country access to this station); in top of the projecting 0.3 ft; Corps of Engineers disk at SE. 28 1948 RESET AMS 1953"	on hwy. towa: urn right and th and go S. and go SE. k, thence tal cross country nd continue station site for cross- concrete Dosi
	"M-24 1948" . X = 460,230.18 Y = 786,602.26 1106.5		I = 486,494.01 Y = 786,412.02 Horizontal position by USOS in 1965.	1141.68
N-24	Horizontal position by USGS in 1965.	5-24	Centered over station mark; 6- by 6-foot squepanel.	are white
Panel USGS	Centered over station mark; 5- by 6-foot square white panel.	e USGS	Same horizontal position as station mark	1141.4
	Same horizontal position as station mark 1106.1	T-24	# 2.0 h k P 2.0	6 ma
N-24	T. 3 S., R. 3 E., near SW. corner of sec. 14. To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 6.7 mi to cross road at E. end of Pima Butte, thence turn left and go NW. for 1.05 mi to rd. forks, thence take right fork and follomain traveled rd. for 0.75 mi to open sandy area and station on right; on S. side of lone tree; in top of concrete post projecting 0.3 ft; Corps of Engineers disk stamped "M-24 1948"		T. 3 S., R. 4 E., near SE. corner of sec. 16 from junction of State Highways 87 and 93 (7 Chandler), drave S. on Highway 93 for 5.1 mithence turn right and go W. for 5.0 mi to cr thence turn right and go N. for 1.0 mi to cr track rd. NW. (at station U-25), thence turn NW. on main trail for 0.3 mi to cross trail, continue straight shead for 0.2 mi to NS. turn right and go N. for 0.45 mi to trail W. turn left and go W. 0.5 mi to NS. tright and go O.5 mi N. to station site on le	7.0 mi S. of i to rd. W., ross road, ross road and a left and go, thence trail, thence thence
	X = 465,604.36 Y = 786,424.62 1114.16 Horizontal position by USGS in 1965.	.	0.2 mi M. of rim; 18 ft W. of trail; in top post projecting 0.1 ft; Corps of Engineers of "EM T-24 1948"	of concrete
N-24 Panel	Centered over station mark; 6- by 6-foot square white panel.		"EN T-28 1948" X = 491,772.00 Y = 785,891.09 Horizontal position by USGS in 1965.	
USGS	Same horizontal position as station mark 1113.9	T-24 Panel	Centered over station mark; 6- by 6-foot squ	mare white
		USOS	Same horizontal position as station mark	1147.1

55				
STATION	DESCRIPTION	STATION	1 DESCRIPTION	ELEVATION
U-24	PLANE COORDINATES (feet) T. 3 S., R. 4 E., near SW. corner of sec. 14.	2 (Sec.)	PLANE COORDINATES	(feet)
	To reach from SP RR. crossing in Maricopa, drive R. on hwy. toward Phoenix for 5.0 mi to paved rd. E	W 10	T. 3 S., R. 3 E., near ME. corner of se To reach from SP RR. crossing in Marico on hwy. toward Phoenix for 6.7 ml to cr	pa, drive N.
	thence turn right and go 5.45 mi to cross road, then turn left and go N. for 3.0 mi to crosstrail and	24	Pina Butte for 1.5 mi to small butte on	SW. on S. side of W. side of Pima
	station site; IO ft E. of centerline of NS. rd.; 9 ft N. of cross trail; in top of concrete post flush with ground; Corps of Engineers disk stamped	0.700		h; on top of small Corps of Engineers
	"TT U-24 1948 RESET ANS 1956"	10 .4	X = 465,170.84 Y = 780,320.05	1161.35
	x = 497,086.86	N-25	Centered over station mark; 12- by 12-f	120325
V-24 Panel VSOS	Cantered over station mark; 6- by 6-foot square white panel.	Panel USGS	Same horizontal position and elevation	
0000	Same horizontal position and elevation as station ma	35	THE STATE OF THE PARTY OF THE P	Tipe San 4
	IN ACT OF BUILDING THE STREET	P-25	T. 3 S., R. 3 E., about 0.2 mi ESE. of sec. 25. To reach from SP RR. crossing	in Maricopa.
	TIER 25	4	drive H. on hwy. toward Phoenix for 6.7 road on H. side of Pima Butte, thence t taking right fork for 0.2 ml to telephone	urn left.
0-25	T. 3 S., R. 2 E., near SE. corner of sec. 22. To reach from post office in Laveen, go S. on black		thence turn left and go S. along teleph 0.15 mi and station; 43 ft B. of teleph	one line crossing,
-	top rd. for 6.4 mi to rd. fork, thence take right fork and go SSE, passing through Santa Cruz village	75 Talk 2007	ft ME. of pole No. 215; in top of concr O.4 ft; Corps of Engineers disk stamped	ete post projecting
	for 8.6 ml to junction with track rd. from NE., then turn left and go NE. 0.3 ml to cross trail, thence to	ITT	1 m 1 het mod mo	1136.12
	right and go S. for 1.0 mi to station site on right; about 150 ft W. of trail; in center of permanent	P-25	Centered over station mark; 6- by 6-foo	t square white
	panel; in top of concrate post projecting 0.3 ft; Corps of Engineers disk stamped "G-25 1949" (Not visited by USGS in 1965)	Panel USGS	panel. Same horizontal position as station mark	
	x = 433,180.78		ALSO TABLE AT THE SECTION OF THE PROPERTY OF T	odikie va
0-25	Centered over station mark; black and white cross-	Q-25	T. 3 S., R. 3 E., near SE. corner of ser To reach from SP RR. crossing in Marico	os. drive N. on
Panel AMS	target panel. Same horizontal position as station mark 1174.5	-1	hwy. toward Phoenix for 6.7 mi to cross turn right and go 0.7 mi E. to powerline turn left and go N. along powerline for	crossing, thence
97			thence turn left and go 0.1 mi to fork, fork for about 150 ft to panel and stat.	thence take right
J-25	T. 3 S., R. 2 E., near NE. corner of sec. 25. To reach from post office at Laveen, go S. on black	133036	panal; in top of concrete post projection	ng 0.3 ft; Corps
	top rd. for 6.4 mi to rd. fork, thence take right for and go 85E., passing through Santa Cruz village and		X = 475,644.41 Y = 781,584.22	1141.47
	crossing pipeline, for 7.8 mi to junction with rd. from E., thence turn left and go E. for 0.9 mi past group of houses to correi, thence bear left around N	Q-25 Panel	Centered over station mark; black asphal	lt cross-target
	corner of corral, thence go SE. for 1.7 mi to trail fork, thence take left fork and continue SE. for 0.4	AXS	Same horizontal position as station mark	, I
181102	to fork, thence take right fork for 0.1 mi to fork, thence take right fork and go S. for 0.5 mi to T-rd		s de la proposición de la constante	4.5
- 5	thence turn left and go E. for 0.1 mi, thence turn left and go N. across country for 0.4 mi and station site; in center of permanent panel; in top of concret		T. 3 S., R. 4 S., near SE. corner of sec To reach from SP RR. crossing in Marico hwy. toward Phoenix for 5.1 mt to paved	oa, drive N. on
	post projecting 0.3 ft; Corps of Engineers disk stamped "TR J-25 1948 RESET AMS 1953" (Not visited		turn right and go E. for 2.5 mi to rd. I left and go N. for 2.15 mi to cross trai	f., thence turn
	by USOS in 1965)	1.42	31 ft W. of NS. rd.; 9 ft N. of cross concrete post projecting 0.4 ft; Corps (trail; in top of
J-25	x = 443,699.56		stamped "BN R-25 1948"	
Panel AMS	target panel.	nanji e	X = 481,191.66 Y = 781,330.93 Horizontal position by USGS in 1965.	1141.0
×	Same horizontal position as station mark 1093.7	R-25 Panel USGS	Centered over station mark; 6- by 6-foot panel.	square white
L-25	T. 3 S., R. 3 E., near SW. corner of sec. 21. To reach from SP RR. crossing in Maricopa, drive N.	61	Same horizontal position as station mark	1140.6
	on hwy. toward Phoenix for 3.2 mi to powerline crossing, thence turn left and go NW. on powerline re	s-25	T. 3 S., R. 4 E., about O.1 mi N. of SE.	corner of sec. 20
	for 3.95 mi to power pole No. 221; panel and station are about 270 ft W. of powerline; in top of concrete post projecting O.l ft; Corps of Engineers disk		To reach from junction of Maricopa Highway Pield Road, drive S. on Maricopa Highway cross road on E. side of Pima Butte, the	for 11.2 mi to
	stamped "TT L-25 1948"		go easterly on main rd. for 1.85 mi to c go straight ahead (easterly) for 1.1 mi	ross road, thence
	x = 455,493.67	E 5500	thence cross canal and turn left and go canal for 1.1 mi to panel and station; s	N. on trail along bout 75 ft E. of
L-25 Panel AMS	Centered over station mark; black asphalt cross-targe panel.	#:W	trail; in small clearing; in top of conc projecting 0.3 ft; Corps of Engineers di "TT 5-25 1948" (Not visited by USGS in	rete post isk stamped 1065)
	Same horizontal position as station mark 1103-5		x = 486,462.16	1147.48
M-25	T. 3 S., R. 3 E., near SE. corner of sec. 21.	S-25 Panel	Centered over station mark; white painte	d cross-target
	To reach from SP RR. crossing in Maricopa, drive N. on hwy. toward Phoenix for 3.2 mi to powerline crossing, thence turn left and go NW. on powerline	ANS	panel. Same horizontal position as station mark	1147.2
	crossing, thence turn left and go NW. on powerline rd. for 3.4 mi to trail NE., thence turn right and go NE. 0.55 mi to crossroads, thence turn left for 0.05	m1	SERVICE SERVICE SERVICES	
545	to fork, thence take right fork and follow dim trail NE. for 0.3 mi to lone mesquite tree and station si	T-25	T. 3 S., R. 4 E., near SW. corner of sec To reach from junction of State Highways	87 and 93 (7.0 ml
A	on SW. edge of tree; in top of concrete post projecti 0.5 ft; Corps of Engineers disk stamped "M-25 1948"	116	S. of Chandler), go S. on Highway 93 for road, thence turn right and go W. for 5. road, thence turn right and go M. 1.0 mi	O mi to cross
- ×	X = 460,007.46 Y = 781,441.01 1113.2 Horizontal position by USGS in 1965.	1 1000	and trail NW., thence turn left and go N 0.3 ml to cross trail. thence continue W.	W. and W. for for 0.2 mi to
M-25 Panel	Centered over station mark; 6- by 6-foot square white panel.	Tolks	trail N., thence turn right and go 0.5 m thence turn left and go 0.5 mi to NS. turn left and go 8. for 0.5 mi to statio	trail, thence n on right: 13 ft
VSGS	Same horizontal position as station mark 1112-7		W. of trail; in top of concrete post pro Corps of Engineers disk stemped BH T-25	Jecting 0.4 ft; 1948"
			X = 491,779.32 Y = 781,092.87 Horizontal position by USOS in 1965.	1156.6
4.0		1-25	Centered over station mark; 6- by 6-foot	square white

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	STATION	DESCRIPTION PLANE COORDINATES	ELEVATION (feet)	STATION	DESCRIPTION PLANE COORDINATES TAR 4500 (feet)
	V-25	T. 3 S., R. 4 E., near NW. corner of sec. 26. To reach from junction of State Highways 87 and 93 (7.0 mi S. of Chandler), go S. on Highway 93 for 5.1 mi to rd. W., thence turn right and go W. for 5.0 mi to cross road, thence turn right and go N. for 1.0 mi to cross road and station; 25 ft E. of centerline of NS. rd.; 23.4 ft S. of centerline of rd. E.; 3.5 ft		WESA WATER TANK NO. 1	The southermost and smaller of two tanks at Rendezvous Park in Mesa. A cylindrical steel tank with cone roof, supported by four-legged steel tower, overall height is 136 ft. Point observed was ball at top center of tank. X = 526,404.57 Y = 880,616.48
		SE. of corner fence post; in top of conc projecting 0.1 ft; Corps of Engineers di: "BM U-25 1963 ARMY MAP SERVICE"	rete post	MESA WATER TANK	The northermost and larger of two tanks at Rendezvous Park. A cylindrical steel tank with a cone roof supported by a six-legged steel tower, overall height
		No horizontal position established.	1168.9	NO. 2	is 136 ft. Point observed was ball at top center of tank
	U-25 Panel	87.5 ft NW. of station mark; 12- by 12-ft white panel.			x = 526,406.03
	USGS		anel lev. 1169.1	CHANDLER	Located about 0.3 mi SE. of city square of Chandler.
	PP U-25 AMS	Centerline of NS. rd. at intersecting of rd. E. (position apparently obtained a monument was destroyed)	centerline pefore old	W. T. NO. 1	The tank is the oldest of two water tanks in same fenced enclosure. Tank is a cylindrical steel tank with a cone roof, supported by four-legged steel tower. Overall height is about 135 ft. The center of the ball at the top center of the tank.
		X = 497,063.07 Y = 780,859.29	1168.7		x = 524,272.34 Y = 836,784.61
	W-25 (C&GS BH N-276)	T. 3 S., R. 4 E., near NE. corner of sec. To reach from junction of State Highways (7.0 mi S. of Chandler), go S. on Highway 5.1 mi to cross road, thence turn right a 3.0 mi to cross road, thence turn right a 1.0 mi to EW. rd. and station site; 36 centerline of EW. rd.; 20 ft W. of cent	87 and 93 / 93 for and go W. for and go W. for 3 ft S. of	CHANDLER W. T. No. 2	
		rd. S.; 2 ft E. of fenceline; in top of c projecting 0.2 ft; USCAGS standard disk "N 276 1948"	porrete post		x = 524,250.75
		x = 507,604.29 Y = 780,844.39	1185.72	Tempe Butte	Located on M. side of Tempe, on highest point of prominent butte known as Tempe Butte. The point observed
	W-25 Panel	Located 71 ft NNE. of station; 12- by 12- white panel.	foot square	MAST	20 ft high steel tower.
	USGS	X = 507,625.77 Y = 780,912.04	1185.4		x = 494,375.90 Y = 883,297.78
	Y-25	T. 3 S., R. 5 E., about 0.1 mi NE. of SW. sec. 21. To reach from junction of State and 93 (7.0 mi S. of Chandler), drive S. 93 for 5.1 mi to cross road, thence turn W. 1.0 mi to cross road just W. of canal, right and go N. 0.9 mi to intersection of at bank, thence take trail leading N. for station site; 75 ft W. of rd.; in center in top of concrete post projecting 0.5 ft Engineers disk stamped "TT Y-25 1948"	Highways 87 on Highway right and go thence turn 5 trails 0.2 mi to of panel;	ST. JOHNS INDIAN SCHOOL W. T. WESTERN FEED & SEED CO. W. T.	X = 421,902.78 Y = 833,510.71 33° 17' 27.973" 2' 0' 20.09 " Located 2.5 mi W. of town of Gilbert, and 0.4 mi S. of Guadalupe Road. Tank is a cylindrical steel tank with a come roof, supported by four-legged steel tower. Overal height is about 105 ft. Point sighted was the finial of the come roof of tank.
î		x = 518,655.88 $Y = 781,448.11$	1194.6		x = 526,083.98
	Y-25 Panel USOS	The AMS permanent asphalt panel at this s covered with dirt and no longer clearly waserial photos. An 8- by 8-foot square wh panel was centered over station mark by U.	isible on ite temporary	*	AMS TRIANGULATION STATIONS
		Same horizontal position as station mark AMS INTERSECTED STATIONS	1194.1	CONPER	T. 2 S., R. 4 E., about 0.15 mi E. of center of sec. 29. To reach from SF RR. crossing in Maricopa, drive northerly on hwy. toward Phoenix for 12.4 mi to cross road, thence tright on track rd. and go easterly for 1.2 mi to cross ros and station site; 19 ft S. of centerline of EW. rd.; 17.5 ft W. of centerline of MS. rd.; in top of concrete
					post projecting 0.3 ft; Corps of Engineers disk stamped "CONFER 1962 ARMY MAP SERVICE"
		On highest ridge in South Mountain Park; e of four large-TV towers; a self-supported, three-legged steel tower painted red and w 387 ft tall. Center of tower.	asternmost tapered, hite, and	POST	X = 484,813.35 Y = 810,035.16 1145.6 T. 2 S., R. 5 E., about 0.25 mi W. of center of sec. 31.
		x = 455,927.14			To reach from courthouse in Chandler, drive S. on Highway 87 for 6.0 mi to rd. W., thence turn right and go W. for 2.7 mi to station on right; located midway between two large cottonwood trees; 15 ft N. of centerline of
	TOWER	On highest ridge in South Mountain Park; a westerly of four TV towers; tower is a selt tapered, three-legged steel tower painted. The overall height is 228 ft. Center of towers.	f-supported.		post projecting 0.3 ft; Corps of Engineers disk stamped "POST 1962 ARMY MAP SERVICE" (Not visited by USGS in 1965
		x = 455,451.53		1/2	X = 508,849.00 Y = 804,139.94 1184.2 To reach from intersection of South Central Avenue and
		The state of the s		THE LEGITARY	A A A A A A A A A A A A A A A A A A A

On highest ridge in South Mountain Park. The most westerly of four TV towers; it is a guyed triangular-shaped steel tower painted red and white. Overall height is 350 ft. Center of tower.

Located about 2.0 mi W. of Nesa; 600 ft N. of SP RR. tracks. A cylindrical steel tank painted black with cone roof supported by four-legged steel tower. Overall height is 75 ft. Point observed was the finial of cone roof.

X = 515,820.43 Y = 877,657.41

KTAR TV

ARIZONA WATER TANK

center of tank. Y = 836,710.81s of Tempe, on highest point of nown as Tempe Butte. The point observed a 45 ft long cedar pole supported by a tower. Y = 883,297.78 SECRIPTION Y = 833,510.7173" 112" 10' 20.091" of town of Gilbert, and 0.4 mi S. of lank is a cylindrical steel tank with orted by four-legged steel tower. Overall S. ft. Point sighted was the finial of Y = 858,159.31GULATION STATIONS about 0.15 mi E. of center of sec. 29. about 0.15 mi E. of center of sec. 29.

MR. crossing in Maricopa, drive northerly
benix for 12.4 mi to cross road, thence turn
and go easterly for 1.2 mi to cross road
19 ft S. of centerline of E.-W. rd.;
berline of N.-S. rd.; in top of concrete
3 ft; Corps of Engineers disk stamped
MAP SERVICE" Y = 810,035.161145.6 about 0.25 mi W. of center of sec. 31.
thouse in Chandler, drive 5. on
) mi to rd. W., thence turn right and go
itation on right; located midway between
od trees; 15 ft N. of centerline of
. of irrigation ditch; in top of concrete
3 ft; Corps of Engineers disk stamped
P. SERVICE" (Not visited by USGS in 1965) Y = 804,139.94HARVESTER To reach from intersection of South Central Avenue and Baseline Road, drive 5. into South Mountain Park for 2.6 mi to rd. forks, thence take middle fork of three and go 1.3 mi to rd. fork, thence take left fork and continue around a curve and up a long grade on Summit Drive for 3.4 mi to rd. fork, thence take right fork and go E. for 1.2 mi to end of paved rd. at island turnsround, thence go in northerly direction on trail rd. that terminates on a high rd. and station site. Station mark is a Corps of Engineers disk stamped "HARVESTER, ANS 1960" (Not visited by USGS in 1965) x = 463,966.99Y = 852.078.762547.2 33° 20' 32 . 443" | 12° 2' 4.771"

ANEI ANAI ANAI 1 .04

DESCRIPTION PLANE COORDINATES TO SELECT SPACE (Feet)

\$ = 525,404.57

Turk bold in constitute USCAGS TRIANGULATION STATIONS 100% AL MOST

(Occupied by USOS, 1965) - 31=,36a -

GILA

Station is located about 10.0 mi S. of Chandler, and 1.25 mi W. of State Highway 93; Just N. of Glla River, and on highest southeasternmost peak of Glla Butte; cemented in drill hole in outcropping bedrock on highest point; USC&GS standard triangulation station disk stamped "GILA BUTTE 1935"

X = 516,948.21 Y = 784,156.82

BUTTE

Station is located about 16.0 mi SW. of Chandler; about 1.0 mi W. of Phoenix-Maricopa Highway; 1.25 mi S. of Gila River; on eastern end of prominent butte; cemented in drill hole; USC&OS standard triangulation station disk stamped "PIMA BUTTE 1935"

x = 468,823.66 Y = 781,072.49

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12, 10, 50 001, 40° 0

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St. 0.752 + A

METTAVEZE (Jose)

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