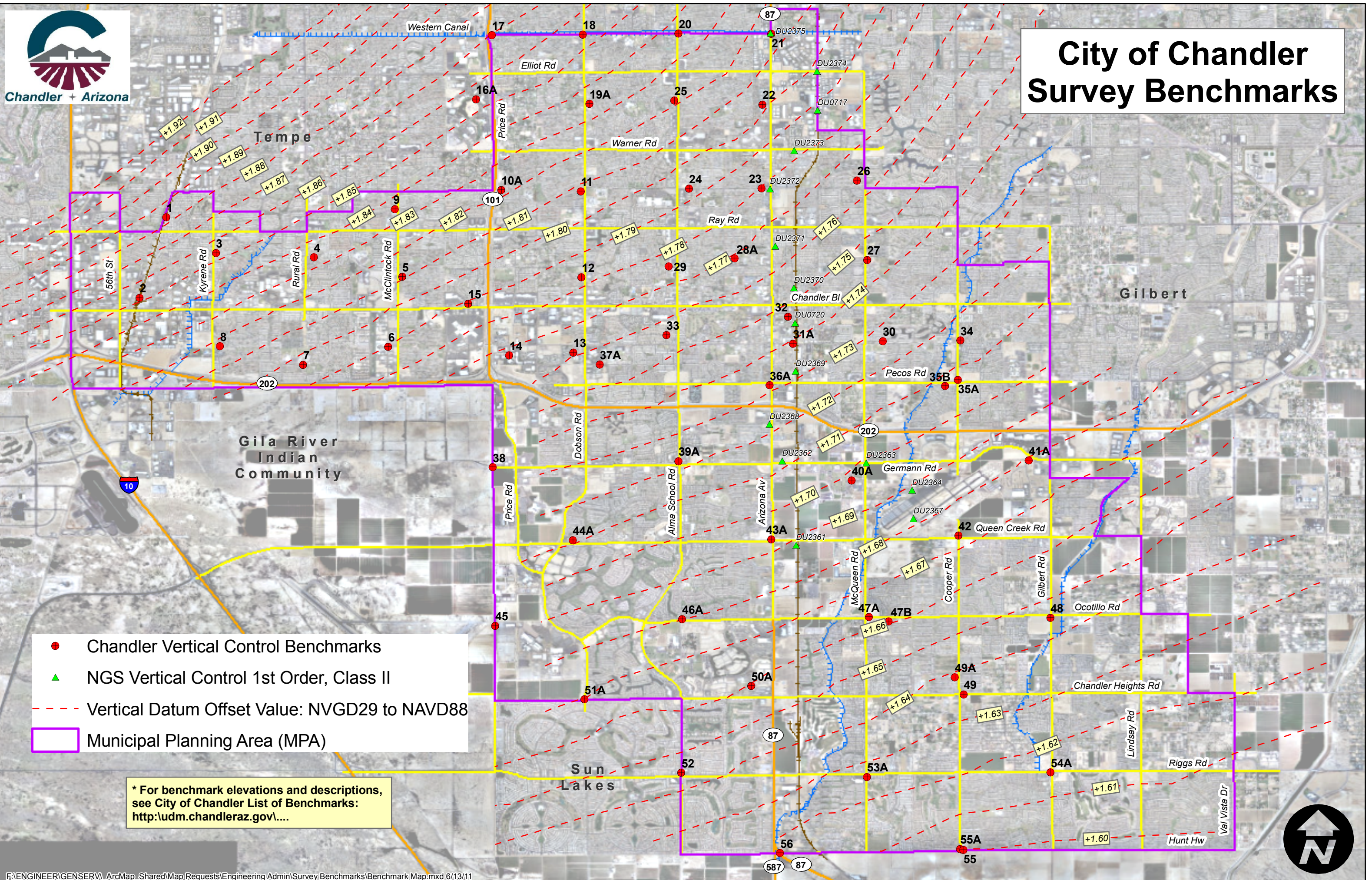


City of Chandler Survey Benchmarks



* For benchmark elevations and descriptions, see City of Chandler List of Benchmarks: <http://udm.chandleraz.gov/...>





Benchmarks - Vertical Control

<u>Benchmark Number</u>	<u>NGVD 29 Elevation</u>	<u>Description</u>	<u>Equation</u>	<u>NAVD 88 Elevation</u>
RYAN	1254.7514	Arizona Department of Highway brass cap set in concrete on bedrock down 0.1', 0.37 miles south on I-10 from the intersection of I-10 and Baseline Road, about 80' west of center of southbound lane of I-10.	2.018	1256.77
BM-F	1215.292	Maricopa County brass cap set in 8" concrete post, flush with pavement surfacing. 500' south of US 60 freeway centerline on Arizona Avenue to Iron Avenue and 500' east on Iron Avenue.		
1	1190.178	Section 21, T1S, R4E, 2" brass cap set in footing of electrical transmission tower #14, between 56th Street and Kyrene Rd., 40' east of railroad tracks; 920' north of Ray Road.	1.883	1192.06
2	1173.632	Section 28, T1S, R4E, 2" brass cap set in footing of electrical transmission tower #20 between 56th Street and Kyrene Road; 40' east of railroad tracks, 700' north of Chandler Boulevard.	1.854	1175.49
3	1170.253	Section 27, T1S, R4E, 3" City of Chandler brass cap in concrete, flush, between Chandler Blvd and Ray Rd; 140' East of Kyrene Rd at point of curvature of Ivanhoe St.	1.854	1172.11
4	1171.558	Section 26, T1S, R4E, 3" City of Chandler brass cap in concrete, flush, between Chandler Blvd and Ray Rd; 430' East of Rural Rd at intersection of Jentilly Lane and Joshua Blvd.	1.834	1173.39

5	1174.975	Section 25, T1S, R4E, 3" City of Chandler brass cap in concrete, flush, between Chandler Blvd and Ray Rd; 250' East of McClintock Drive at intersection of Laveen Drive and Galveston Street.	1.811	1176.79
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<u>Benchmark Number</u>	<u>NGVD 29 Elevation</u>	<u>Description</u>	<u>Equation</u>	<u>NAVD 88 Elevation</u>
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6	1176.343	Section 35, T1S, R4E, 3" City of Chandler brass cap in concrete, flush, between Chandler Blvd and Pecos Rd; 560' West of McClintock Dr at intersection of 79th St and Milky Way.	1.788	1178.13
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7	1170.074	Section 34, T1S, R4E, 3" City of Chandler brass cap in concrete, flush, between Chandler Blvd and Pecos Rd; 105' west of intersection of Whitten St and Twelve Oaks Blvd at point of curvature on Whitten St.	1.798	1171.87
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8	1158.756	Section 34, T1S, R4E, 3" City of Chandler brass cap in concrete, flush, between Chandler Blvd and Pecos Rd; 390' east of Kyrene Rd at intersection of Aspen Dr Chicago St.	1.818	1160.57
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9	1177.972	Section 23, T1S, R4E, 3" City of Chandler brass cap in concrete, flush, between Ray Rd and Warner Rd, 190' west of McClintock Dr at intersection of Orchid Land and Adler Dr.	1.834	1179.81
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10A	1184.702	Section 19, T1S, R5E, 3" City of Chandler brass cap in concrete, flush, at the intersection of Calle Del Norte & Desoto St.; 260' East of Northbound frontage road for Loop 101 and one-half mile north of Ray Road. (Northing, 846853.150, Easting, 707675.724	1.821	1186.52
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11	1192.045	Section 19, T1S, R5E, 3" City of Chandler brass cap in concrete, flush, between Ray Rd and Warner Rd; 200' West of Dobson Rd at intersection of Knox Rd and Santa Anna Court. (Northing, 846754.805, Easting, 712200.083)	1.808	1193.85
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12	1191.820	Section 30, T1S, R5E, 3" City of Chandler brass cap in concrete, flush, between Ray Rd and Chandler Blvd; 175' west of Dobson Rd at intersection of Salida Del Sol and Tulsa St.	1.785	1193.61
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<u>Benchmark Number</u>	<u>NGVD 29 Elevation</u>	<u>Description</u>	<u>Equation</u>	<u>NAVD 88 Elevation</u>
13	1190.833	Section 31, T1S, R5E, 3" City of Chandler brass cap in concrete, flush, between Chandler Blvd and Pecos Rd; 660' west of Dobson Rd; 500' south of Frye Rd at point of curvature of 95th St.	1.762	1192.60
14	1184.453	Section 31, T1S, R5E, 3" City of Chandler brass cap in concrete, flush, between Chandler Blvd and Pecos Rd; 960' east of Price Rd and 685' south of Frye Rd at point of curvature of Bracken Lane.	1.768	1186.22
15	1187.892	Section 25, T1S, R4E, 3" City of Chandler brass cap in concrete, flush, between Chandler Blvd and Ray Rd; 1,000' west of Price Rd and 215' north of Metro Blvd at point of curvature of Federal St.	1.788	1189.68
16A	1194.570	Section 13, T1S, R4E, City of Tempe brass cap in concrete, flush, at the intersection of Research Parkway and Conference Drive in ASU Research Center Park; 600' West of southbound frontage road for Loop 101 and 2300' south of Elliott Road. (Northing, 853003.485, Easting, 706222.781)	1.854	1196.42
17	1193.513	Section 7, T1S, R5E, 2" brass cap set in base of electric transmission tower #133 between Guadalupe Rd and Elliot Rd; 150' east of northbound frontage road of Price Freeway; 90' south of canal.	1.87	1195.38
18	1197.577	Section 7, T1S, R5E, 2" brass cap set in base of electric transmission tower #127 between Guadalupe Rd and Elliot Rd; west of Dobson Rd; 90' south of canal.	1.854	1199.43
19A	1192.622	Section 17, T1S, R5E, New 3" City of Chandler brass cap in concrete, flush, between Elliot Rd and Warner Rd, 290' east of Dobson Rd at intersection of Shawnee Dr and Yucca St. (Northing, 852701.682, Easting, 712690.766)	1.834	1194.46

Benchmark Number	NGVD 29 Elevation	Description	Equation	NAVD 88 Elevation
20	1204.484	Section 9, T1S, R5E, 2" brass cap set in base of electric transmission tower #121, between Guadalupe Rd and Elliot Rd; first tower east of Alma School Rd, 90' south of canal.	1.834	1206.32
21	1209.933	Section 10, T1S, R5E, 2" brass cap in base of electric transmission tower #115 between Guadalupe Rd and Elliot Rd, east of Arizona Ave, 90' south of canal.	1.814	1211.75
22	1207.640	Section 16, T1S, R5E, 3" City of Chandler brass cap in concrete, flush, between Elliot Rd and Warner Rd; 450' west of Arizona Ave at point of tangency of Palomino Dr, straight north of Bldg 8.	1.801	1209.44
23	1208.829	Section 21, T1S, R5E, 3" City of Chandler brass cap in concrete, flush, between Warner Rd and Ray Rd; 530' west of Arizona Ave at intersection of Knox Rd and Oregon St.	1.781	1210.61
24	1204.066	Section 21, T1S, R5E, 3" City of Chandler brass cap in concrete, flush, between Warner Rd and Ray Rd; 670' east of Alma School Rd at the intersection of Knox Rd and Pleasant Dr.	1.795	1205.86
25	1200.173	Section 17, T1S, R5E, 3" City of Chandler brass cap in concrete, flush, between Warner Rd and Elliot Rd; 200' west of Alma School Rd at intersection of Barrow Dr and Citation Dr.	1.821	1201.99
26	1218.884	Section 22, T1S, R5E, 3" City of Chandler brass cap in concrete, flush, between Warner Rd and Ray Rd; 450' west of McQueen Rd at intersection of Calle Del Norte and Kingston St.	1.765	1220.65
27	1224.095	Section 26, T1S, R5E, 2" brass cap set in base of most westerly ballfield light standard at Pima Park between Ray Rd and Chandler Blvd, 140' east of McQueen Rd, 390' north of Galveston St and Thatcher.	1.745	1225.84

<u>Benchmark Number</u>	<u>NGVD 29 Elevation</u>	<u>Description</u>	<u>Equation</u>	<u>NAVD 88 Elevation</u>
28A	1206.534	Section 28, T1S, R5E, City of Chandler brass cap flush at the intersection of Monterey St. and Iowa St; one-half mile north of Chandler Blvd and 2100' west of Arizona Ave; (Northing, 842210.209, Easting, 720961.010)	1.768	1208.30
29	1200.659	Section 29, T1S, R5E, 3" City of Chandler brass cap in concrete, flush, between Chandler Blvd and Ray Rd; 510' west of Alma School Rd at intersection of Chippewa St and Galveston St.	1.775	1202.43
30	1225.214	Section 35, T1S, R5E, 3" City of Chandler brass cap in concrete, flush, between Chandler Blvd and Pecos Rd; 1000' east of McQueen Rd; 150' north of Frye Rd at intersection of Cindy St and Cross Creek Dr.	1.726	1226.94
31A	1213.554	Section 34, T1S, R5E, New 3" City of Chandler brass cap in concrete, flush, at the intersection of Delaware St and Frye Rd; one-half mile south of Chandler Blvd and one-quarter mile east of Arizona Ave. (Northing, 836419.005, Easting, 724282.302)	1.739	1215.29
32	1216.807	Section 34, T1S, R5E, 2" brass cap set in rear ramp of City of Chandler Public Works Bldg at 215 East Buffalo St; just outside in right of the rear door.	1.745	1218.55
33	1202.912	Section 32, T1S, R5E, 3" City of Chandler brass cap in concrete, flush, between Chandler Blvd and Pecos Rd; 640' west of Alma School Rd; 640' north of Frye Rd at intersection of Maggio Way and Apache Dr.	1.755	1204.67
34	1234.141	Section 36, T1S, R5E, 3" City of Chandler brass cap in concrete, flush, between Chandler Blvd and Pecos Rd; 200' east of Cooper Rd at intersection of Frye Rd and Eucalyptus Place.	1.716	1235.86

Benchmark Number	NGVD 29 Elevation	Description	Equation	NAVD 88 Elevation
35A	1236.110	Section 36, T1S, R5E, 3" brass cap in concrete, 130' north, 50' east of intersection Cooper Rd and Pecos Rd; 10' east of back of curb. (Northing, 833981.517, Easting, 733683.658)	1.709	1237.82
35B	1232.640	Section 2, T2S, R5E, 3" City of Chandler brass cap in concrete, flush, at the intersection of Canyon Oaks Way and Derringer Way; 660' west of Cooper Rd and 280' south of Pecos Rd. (Northing, 833559.554, Easting, 732956.040)	1.709	1234.35
36A	1215.120	Section 4, T2S, R5E, 3" brass cap in concrete, 150' south, 75' west of intersection of Arizona Ave and Pecos Rd; 4' west of back of sidewalk.	1.732	1216.85
37A	1194.092	Section 32, T1S, R5E, brass cap in hand hole at the intersection of Fairview St and south entry to Chandler Hospital; 830' east of Dobson Rd, one-quarter mile north of Pecos Rd. (Northing, 835011.942, Easting, 713282.302)	1.755	1195.85
38	1181.520	Section 7, T2S, R5E, 3" brass cap in concrete, 200' east of southwest corner of Section 6, approximate intersection of Old Price Rd and Germann Rd (westerly terminus of existing roadway for Germann), 57' south of the north face of curb line. (Northing, 828007.232, Easting, 707380.141)	1.739	1183.26
39A	1207.430	Section 5, T2S, R5E, 3" brass cap in concrete, 200' north of intersection of Germann Rd and Alma School Rd; 3' west of back of sidewalk at west side of Alma School Rd. (Northing, 828448.394, Easting, 717765.451)	1.722	1209.15
40A	1222.715	Section 10, T2S, R5E, City of Chandler brass cap in hand hole at the intersection of Tumbleweed Park Rd and Pioneer Parkway; 1300' south of Germann Rd and 700' west of McQueen Rd. (Northing, 827154.945, Easting, 727632.268)	1.696	1224.41

Benchmark Number	NGVD 29 Elevation	Description	Equation	NAVD 88 Elevation
41A	1247.715	Section 12, T2S, R5E, 3" City of Chandler brass cap in concrete, flush, at point of curvature on Stearman Dr, 300' south of Germann Rd and 1000' west of Gilbert Rd. (Northing, 828514.378, Easting, 737723.986)	1.68	1249.40
42	1237.900	Section 12, T2S, R5E, 3" City of Chandler brass cap in concrete, flush, 200' north of intersection of Queen Creek Rd and Cooper Rd; 23' east of edge of pavement. (Northing, 823412.906, Easting, 733727.263)	1.673	1239.57
43A	1213.880	Section 9, T2S, R5E, 3" brass cap in concrete, 100' north, 70' west of intersection of Arizona Ave and Queen Creek Rd; on roadside by SRP structure. (Northing, 823148.607, Easting, 723063.962)	1.693	1215.57
44A	1194.940	Section 8, T2S, R5E, 3" City of Chandler brass cap in concrete, flush, at intersection of Arroyo Dr and Hawk Court; 240' north of Queen Creek Rd and 750' East of Dobson Rd. (Northing, 823083.368, Easting, 711742.493)	1.709	1196.65
45	1182.500	Section 19, T2S, R5E, 3" City of Chandler brass cap in concrete, flush, on Old Price Rd (dirt road just west of Intel Delivery Rd); 1 mile south of Queen Creek Rd, 100' south of airport entrance, east side of road. Sign is on Intel fence. (Northing, 817273.665, Easting 707321.855) (Difficult to find and within Intel Security Boundaries)	1.693	1184.19
46A	1204.510	Section 16, T2S, R5E, 3" brass cap in concrete, 70' north, 70' east of intersection of Basha Rd and Ocotillo Rd; 4' north of back of sidewalk. (Northing, 817729.065, Easting, 717971.277)	1.68	1206.19

<u>Benchmark Number</u>	<u>NGVD 29 Elevation</u>	<u>Description</u>	<u>Equation</u>	<u>NAVD 88 Elevation</u>
47A	1227.920	Section 14, T2S, R5E, 3" brass cap in concrete, 215' east of intersection of McQueen Rd and Ocotillo Rd; 4' north of back of curb. (Northing, 817836.803, Easting, 728629.500)	1.663	1229.58
47B	1230.835	Section 23, T2S, R5E, 3" City of Chandler brass cap in concrete, flush, at the intersection of Lantana Ranch Blvd and Yellowstone Place; 1320' east of McQueen Rd and 280' south of Ocotillo Rd. (Northing, 817577.585, Easting, 729757.926)	1.66	1232.50
48	1253.940	Section 24, T2S, R5E, 3" brass cap in concrete, 200' south of intersection of Ocotillo Rd and Gilbert Rd, 14' west of edge of pavement, 3' east of concrete lined ditch. (Northing, 817836.811, Easting, 738972.720)	1.644	1255.58
49	1242.850	Section 25, T2S, R5E, 3" City of Chandler brass cap in concrete, flush, 300' east of intersection of Cooper Rd and Chandler Heights Rd, 12.5' south of edge of pavement. (Northing, 812635.984, Easting, 734038.204)	1.637	1244.49
49A	1240.361	Section 23, T2S, R5E, 3" City of Chandler brass cap in concrete, flush, at the intersection of Lynx Place and Soho Lane; 1100' north of Chandler Heights Rd, 250' west of Cooper Rd and 80' south of Blue Ridge Way. (Northing, 813789.424, Easting, 733531.105)	1.64	1242.00
50A	1209.014	Section 21, T2S, R5E, 3" City of Chandler brass cap in concrete, flush, at the point of curvature on Sunland Dr; 1200' west of Arizona Ave and 800' north of Chandler Heights Rd, across from south entry to school. (Northing, 813205.302, Easting, 721923.193)	1.66	1210.67

Benchmark Number	NGVD 29 Elevation	Description	Equation	NAVD 88 Elevation
51A	1189.135	Section 19, T2S, R5E, City of Chandler brass cap in hand hole at the south end of Dobson Rd on the section line and Chandler Heights Rd alignment, 50' north of private gate into gated community. (Northing, 812283.369, Easting, 712419.743)	1.67	1190.81
52	1200.630	Section 28, T2S, R5E, 3" City of Chandler brass cap in concrete, flush, 225' north of intersection of Riggs Rd and Alma School Road; 5' east of top back of curb, 1' from the base of a 45 MPH speed limit sign. (Northing, 807304.830, Easting, 717944.193)	1.644	1202.27
53A	1227.040	Section 35, T2S, R5E, Aluminum cap in concrete, 250' south of Riggs Rd and 7.5' east of the back of curb, east side of McQueen Rd. (Northing, 807021.964 Easting, 728528.589)	1.627	1228.67
54A	1251.920	Section 36, T2S, R5E, 3" brass cap in concrete 79' south, 65' west of intersection of Riggs Rd and Gilbert Rd, 2' west of back of curb. (Northing, 807359.419 Easting, 739000.867)	1.614	1253.53
55	1235.060	Section 1, T3S, R5E, 3" City of Chandler brass cap in concrete, flush, 216' east of intersection of Hunt Hwy and centerline of Cooper Rd North, 22.5' south of edge of pavement; 2' north of barbed wire fence. (Northing, 802088.583, Easting, 734034.369)	1.601	1236.66
55A	1233.902	Southeast corner of Section 35, T2S, R5E, Chandler Horizontal Control Pt. #5355, brass cap in hand hole at the intersection of Hunt Hwy & Cooper Rd. (Northing, 802118.993, Easting, -733844.085)	1.601	1235.50

<u>Benchmark Number</u>	<u>NGVD 29 Elevation</u>	<u>Description</u>	<u>Equation</u>	<u>NAVD 88 Elevation</u>
56	1215.030	Section 3, T3S, R5E, 3" City of Chandler brass cap in concrete, flush. Southeast corner of Arizona Ave and Hunt Hwy, 10' south of edge of pavement. (Northing, 801860.284, Easting, 723572.960)	1.617	1216.65