

Acronym	Definition	Revised February 2025									
B.C.	Brass Cap	OVERVIEW									
T.C.	Top of Curb	This City of Mesa benchmark information has been established to assist Architects, Engineers, Licensed Contractors and Registered Land Surveyors in standardization of public works design and construction within the City of Mesa's jurisdiction. The City of Mesa requires that all projects submitted for review be based on the City of Mesa vertical datum, being NAVD88. The City of Mesa has provided the following benchmarks, however it is the responsibility of the user to verify their accuracy and suitability for any project.									
N	North										
E	East										
S	South										
W	West										
NE	Northeast	This City of Mesa benchmark information has been updated due to destruction of nearly 40% of the previously published Benchmarks and largely to subsidence in the area. The 2021 elevation values were measured using the Smartnet Real Time Network, collected in Arizona Central State Plane Coordinates with Geoid 12B. These values will be used until a revised system can be implemented. Verification to a higher order Benchmark, stability B or better, is critical due to continuing subsidence effects. See Maricopa County Department of Transportation Survey and National Geodetic Survey websites for other NAVD88 Benchmarks in the area. This list was updated in February 2025 for an inventory and corrected descriptions. Contact the City of Mesa Survey Department with any questions or issues with this list: 480-644-3091									
NW	Northwest										
SE	Southeast										
SW	Southwest										
N-S X-Street	E-W X-Street	OLD COM EL	2012 COM NAVD88 EL	NORTHING	EASTING	2020/2021 COM SMARTNET NAVD88 EL	Description	2021 DIFF	2021 DIFF	TOTAL	
								2012	OLD		
Price	Baseline	1198.36	1198.41	865157.830	707431.160	1198.31	3" Aluminum ADOT B.C. flush at SE corner of N bound off-ramp	-0.10	-0.05	126	
Dobson	Guadalupe	1198.51	1198.56	860054.720	712174.520	1198.45	Masonry Nail on T.C. at NW corner	-0.11	-0.06		
Dobson	Baseline	1197.79	1197.84	865195.330	711926.320	1197.71	Masonry Nail w/ Brass Tag on T.C. at SE corner	-0.13	-0.08		
Dobson	Broadway	1211.75	1211.80	875903.380	712795.990	1211.64	Masonry Nail w/ Brass Tag on T.C. at NW corner	-0.16	-0.11		
Dobson	University	1211.62	1211.67	881067.080	712830.720	1211.61	Masonry Nail w/ Brass Tag on T.C. at SW corner	-0.06	-0.01		
Alma School	Guadalupe	1203.93	1203.99	860104.760	717485.410	1203.94	Masonry Nail w/ Brass Tag on T.C. at NW corner	-0.05	0.01		
Alma School	University	1235.52	1235.58	881068.360	718297.210	1235.42	Masonry Nail w/ Brass Tag on T.C. at SW corner	-0.16	-0.10		
Country Club	Guadalupe	1211.89	1211.96	860119.830	722765.480	1211.84	SRVWUA B.C. on East side of irrigation box at NW corner	-0.12	-0.05		
Country Club	Baseline	1210.71	1210.78	865445.910	723179.830	1210.84	Masonry Nail w/ Brass Tag on T.C. at NE corner	0.06	0.13		
Country Club	University	1243.48	1243.55	881250.290	723341.190	1243.44	Masonry Nail w/ Brass Tag on T.C. at NW corner	-0.11	-0.04		
Country Club	McKellips	1217.72	1217.79	891745.200	723547.610	1217.69	Masonry Nail w/ Brass Tag on T.C. at SE corner	-0.10	-0.03		
Mesa	Baseline	1213.42	1213.50	865454.070	727961.260	1213.48	Masonry Nail w/ Brass Tag on T.C. at NW corner	-0.02	0.06		
Mesa	McKellips	1226.49	1226.57	891732.650	728778.200	1226.47	Masonry Nail w/ Brass Tag on T.C. at SE corner	-0.10	-0.02		
Stapley	Baseline	1221.71	1221.80	865509.020	733454.380	1221.81	Masonry Nail w/ Brass Tag on T.C. at NE corner	0.01	0.10		
Stapley	Broadway	1233.57	1233.66	875993.610	734020.030	1233.69	Masonry Nail w/ Brass Tag on T.C. at NE corner	0.03	0.12		
Stapley	McKellips	1271.60	1271.69	891752.320	734123.770	1271.64	Masonry Nail w/ Brass Tag on T.C. at SE corner	-0.05	0.04		
Gilbert	Baseline	1234.10	1234.20	865509.160	739246.150	1234.22	Masonry Nail w/ Brass Tag on T.C. at NE corner	0.02	0.12		
Gilbert	Broadway	1243.97	1244.07	876093.450	739253.110	1244.01	Masonry Nail w/ Brass Tag on T.C. at NE corner	-0.06	0.04		
Gilbert	McKellips	1284.14	1284.24	891851.870	739412.580	1284.11	Masonry Nail w/ Brass Tag on T.C. at SE corner	-0.13	-0.03		
Lindsay	Broadway	1255.60	1255.71	876005.800	744333.890	1255.72	Masonry Nail w/ Brass Tag on T.C. at SW corner	0.01	0.12		
Lindsay	University	1270.18	1270.29	881382.160	744492.910	1270.24	Masonry Nail w/ Brass Tag on T.C. at NE corner	-0.05	0.06		
Lindsay	McDowell	1321.93	1322.04	897217.740	744485.510	1321.81	Masonry Nail w/ Brass Tag on T.C. at SW corner	-0.23	-0.12		
Val Vista	Southern	1265.73	1265.85	870845.310	749646.310	1265.81	Masonry Nail w/ Brass Tag on T.C. at NW corner	-0.04	0.08		
Val Vista	Broadway	1275.20	1275.32	876042.020	749630.750	1275.34	Masonry Nail w/ Brass Tag on T.C. at SW corner	0.02	0.14		
Val Vista	University	1292.75	1292.87	881318.740	749705.810	1292.77	Masonry Nail w/ Brass Tag on T.C. at SW corner	-0.10	0.02		
Val Vista	Brown	1309.59	1309.71	886645.130	749694.500	1309.68	Masonry Nail w/ Brass Tag on NE corner of irrigation box at SW corner	-0.03	0.09		
Greenfield	Southern	1291.65	1291.78	870913.730	755062.520	1291.86	Masonry Nail w/ Brass Tag on T.C. at NE corner	0.08	0.21		
Greenfield	University	1321.69	1321.82	881482.240	754939.160	1321.70	Masonry Nail w/ Brass Tag on T.C. at NW corner	-0.12	0.01		
Greenfield	Brown	1341.49	1341.62	886756.750	755055.450	1341.51	Masonry Nail w/ Brass Tag on T.C. at NE corner	-0.11	0.02		
Greenfield	McKellips	1356.57	1356.70	892004.350	755030.920	1356.57	Masonry Nail w/ Brass Tag on T.C. at NW corner	-0.13	0.00		
Greenfield	McDowell	1364.91	1365.04	897218.350	755056.860	1364.79	Masonry Nail w/ Brass Tag on T.C. at SW corner	-0.25	-0.12		
48th	Baseline	1288.86	1288.99	865613.360	757396.670	1289.08	Masonry Nail w/ Brass Tag on T.C. at W Entrance 4850 E. Baseline	0.09	0.22		
48th	Broadway	1317.71	1317.84	876187.410	757703.930	1317.81	Masonry Nail on T.C. at NE corner	-0.03	0.10		
48th	Southern	1306.03	1306.16	870900.350	757768.330	1306.26	Masonry Nail w/ Brass Tag on T.C. at NE corner	0.10	0.23		
Higley	Pueblo	1324.20	1324.34	873547.390	760292.240	1324.33	Masonry Nail w/ Brass Tag on T.C. E side Higley, S of Delta	-0.01	0.13		
Higley	Main	1347.46	1347.60	878832.380	760352.110	1347.55	Masonry Nail on T.C. at NE corner	-0.05	0.09		
Higley	University	1357.45	1357.59	881347.340	760324.060	1357.57	Masonry Nail w/ Brass Tag on T.C. at SE corner	-0.02	0.12		

Higley	McLellan	1391.39	1391.53	889374.140	760402.080	1391.45	Masonry Nail on T.C. at NE corner	-0.08	0.06
Higley	McKellips	1398.98	1399.12	891910.200	760409.450	1398.95	Masonry Nail w/ Brass Tag on T.C. at SE corner	-0.17	-0.03
Higley	McDowell	1393.69	1393.83	897192.730	760359.480	1393.61	Masonry Nail w/ Brass Tag on T.C. at SW corner	-0.22	-0.08
Higley	Thomas	1380.34	1380.48	903763.240	760427.660	1380.18	Masonry Nail w/ Brass Tag on T.C. at NE corner	-0.30	-0.16
56th	Baseline	1315.07	1315.21	865642.130	762828.510	1315.34	Masonry Nail w/ Brass Tag on T.C. at E property line of 5620 E Baseline	0.13	0.27
56th	Southern	1332.69	1332.83	870945.630	763094.510	1332.85	Masonry Nail on T.C. at NE corner Somerset	0.02	0.16
56th	Main	1363.98	1364.12	878870.250	762929.860	1364.05	Masonry Nail w/ Brass Tag on T.C. at NE corner	-0.07	0.07
56th	Brown	1405.58	1405.72	886757.480	762930.090	1405.62	Masonry Nail on T.C. +/- 300 ft W of Ambrosia, N side Brown	-0.10	0.04
Recker	Southern	1347.18	1347.33	870836.620	765551.470	1347.23	Masonry Nail w/ Brass Tag on T.C. at SE corner Leisure World Blvd	-0.10	0.05
Recker	Broadway	1362.67	1362.82	876258.610	765463.450	1362.77	Masonry Nail w/ Brass Tag on T.C. at NW corner	-0.05	0.10
Recker	Main	1381.85	1382.00	878874.200	765642.450	1381.91	Masonry Nail w/ Brass Tag on T.C. at NE corner	-0.09	0.06
Recker	Adobe	1411.59	1411.74	884121.820	765626.560	1411.82	Masonry Nail on T.C. at NE corner	0.08	0.23
Recker	Hermosa Vista	1461.65	1461.80	894701.410	765621.270	1461.63	Masonry Nail on T.C. at SW corner	-0.17	-0.02
Recker	McDowell	1459.72	1459.87	897329.640	765753.070	1461.66	Masonry Nail on T.C. at NE corner	1.79	1.94
64th	Baseline	1343.17	1343.32	865659.100	768103.640	1343.33	Masonry Nail w/ Brass Tag on T.C. +/- 72 ft W of 6308 E Baseline	0.01	0.16
64th	Brown	1451.27	1451.42	886776.390	768277.500	1451.42	Masonry Nail on T.C. at NE corner	0.00	0.15
64th	McKellips	1488.61	1488.76	892069.260	768302.440	1488.68	Masonry Nail on T.C. at NE corner	-0.08	0.07
64th	McDowell	1508.06	1508.21	897317.760	768377.830	1508.08	Masonry Nail on T.C. at NE corner	-0.13	0.02
Power	Pecos	1337.67	1337.72	832719.660	770447.060	1337.86	Masonry Nail w/ Brass Tag on T.C. at NE corner	0.14	0.19
Power	202 San Tan	1323.95	1324.10	847364.160	770199.690	1324.07	Masonry Nail w/ Brass Tag on T.C. at NE corner W bound off-ramp	-0.03	0.12
Power	Warner	1321.72	1321.87	849950.790	770170.130	1321.89	Masonry Nail w/ Brass Tag on T.C. at NE corner	0.02	0.17
Power	Elliot	1327.48	1327.63	855111.310	770130.580	1327.60	Masonry Nail w/ Brass Tag on irrigation headwall at SE corner	-0.03	0.12
Power	Madero	1341.03	1341.03	862948.050	769918.580	1341.13	Masonry Nail w/ Brass Tag on T.C. at NE corner	0.10	0.10
Power	Baseline	1352.55	1352.70	865682.360	769732.120	1352.68	Masonry Nail w/ Brass Tag on T.C. at NW corner	-0.02	0.13
Power	US 60	1371.65	1371.80	868555.540	770838.220	1371.79	Masonry Nail w/ Brass Tag on T.C. at NE corner W bound off-ramp	-0.01	0.14
Power	Pueblo	1382.55	1382.70	873611.390	770843.910	1382.69	Masonry Nail w/ Brass Tag on T.C. +/- 220 ft N of Pueblo, E side Power	-0.01	0.14
Power	Main	1414.26	1414.41	878787.490	770767.470	1414.47	Masonry Nail w/ Brass Tag on T.C. at SW corner	0.06	0.21
Power	University	1435.07	1435.22	881444.640	770775.290	1435.22	Masonry Nail w/ Brass Tag on T.C. at SW corner	0.00	0.15
Power	Brown	1477.55	1477.70	886688.330	770963.650	1477.71	Masonry Nail w/ Brass Tag on T.C. at NE corner	0.01	0.16
Power	McKellips	1522.82	1522.97	891983.840	771001.950	1522.98	Masonry Nail w/ Brass Tag on T.C. at NE corner	0.01	0.16
Power	Hermosa Vista	1539.22	1539.37	894588.610	770898.400	1539.38	Masonry Nail on T.C. at SW corner	0.01	0.16
Power	McDowell	1552.68	1552.83	897215.260	770885.090	1552.87	Masonry Nail on T.C. at SW corner	0.04	0.19
Power	202 Red Mountain	1569.92	1570.07	900193.480	770920.710	1570.12	Masonry Nail w/ Brass Tag on T.C. at SW corner E bound off-ramp	0.05	0.20
Power	Thomas	1566.02	1566.17	902471.320	771021.430	1566.21	Masonry Nail on T.C. at SE corner	0.04	0.19
Power	1/2 Mile N Thomas	1575.24	1575.39	905197.330	770993.540	1575.34	Masonry Nail w/ Brass Tag on T.C. 1/2 mile N of Thomas, E side Power	-0.05	0.10
72nd	Baseline	1370.51	1370.66	865674.530	773396.560	1370.62	Masonry Nail w/ Brass Tag on T.C. N of T1N R7E S31 S 1/4 corner	-0.04	0.11
72nd	Southern	1390.27	1390.42	870776.120	773449.570	1390.34	Masonry Nail w/ Brass Tag on T.C. at NE corner Clearview	-0.08	0.07
72nd	Brown	1501.72	1501.87	886621.480	773475.390	1501.87	Masonry Nail w/ Brass Tag on T.C. at NE corner	0.00	0.15
72nd	McKellips	1555.88	1556.03	891917.860	773599.750	1555.88	Masonry Nail w/ Brass Tag on T.C. at NE corner Terripin	-0.15	0.00
Sossaman	Germann	1356.69	1356.84	829029.150	775501.190	1356.78	Masonry Nail w/ Brass Tag on headwall of box culvert at NW corner	-0.06	0.09
Sossaman	Guadalupe	1358.84	1358.99	860422.410	774999.880	1358.79	Masonry Nail w/ Brass Tag on T.C. at NW corner	-0.20	-0.05
Sossaman	Pueblo	1415.27	1415.42	873439.480	776077.100	1415.38	Masonry Nail on T.C. at NE corner	-0.04	0.11
Sossaman	Main	1448.46	1448.61	878798.970	776115.910	1448.45	Masonry Nail w/ Brass Tag on T.C. at NE corner	-0.16	-0.01
Sossaman	Adobe	1497.29	1497.44	883978.323	776056.519	1497.23	Masonry Nail w/ Brass Tag on T.C. N of T1N R7E S18 E 1/4 corner	-0.21	-0.06
Sossaman	Brown	1528.92	1529.07	886641.150	776110.840	1529.09	Masonry Nail on T.C. at NE corner Sossaman alignment	0.02	0.17
Sossaman	Hermosa Vista	1617.48	1617.63	894455.890	776056.440	1617.47	Masonry Nail w/ Brass Tag on T.C. at SW corner	-0.16	-0.01
80th	Brown	1554.85	1555.00	886641.750	778773.910	1555.05	Masonry Nail w/ Brass Tag on T.C. at NE corner	0.05	0.20
80th	McKellips	1627.84	1627.99	891920.030	778717.750	1627.89	Nail w/ Brass Tag on T.C. N side McKellips, +/- 500 ft W of Bridlewood	-0.10	0.05
80th	Hermosa Vista	1661.00	1661.15	894504.120	778668.080	1660.98	Masonry Nail on T.C. at NW corner	-0.17	-0.02
Hawes	Baseline	1414.43	1414.58	865566.710	780226.620	1414.39	Masonry Nail w/ Brass Tag on T.C. at SW corner	-0.19	-0.04
Hawes	Southern	1443.15	1443.30	870717.440	781294.780	1443.00	Masonry Nail w/ Brass Tag on T.C. at SW corner	-0.30	-0.15
Hawes	Pueblo	1453.17	1453.32	873420.350	781403.460	1452.77	Masonry Nail w/ Brass Tag on T.C. at NE corner	-0.55	-0.40
Hawes	Main	1493.16	1493.31	878833.400	781798.450	1493.25	Nail w/ Brass Tag on Headwall +/- 500 ft E of Hawes, N side Main	-0.06	0.09
Hawes	Brown	1601.46	1601.61	886596.450	781357.150	1601.61	Nail w/ Brass Tag on T.C. N Edge Bridge Median, 3ft N of NE Section17	0.00	0.15
Hawes	Hermosa Vista	1708.04	1708.19	894456.310	781325.400	1707.98	Chisled Square on T.C. at SW corner	-0.21	-0.06

Hawes	McDowell	1756.59	1756.74	897273.710	781419.590	1756.50	Masonry Nail w/ Brass Tag on T.C. at NE corner	-0.24	-0.09
88th	Baseline	1430.35	1430.50	865625.750	782948.660	1430.25	Masonry Nail w/ Brass Tag on T.C. 28 ft N of T1S R7E S4 N 1/4 corner	-0.25	-0.10
88th	Southern	1460.11	1460.26	870805.790	783938.690	1459.51	Masonry Nail w/ Brass Tag on T.C. at NW corner	-0.75	-0.60
88th	University	1532.87	1533.02	881360.980	784055.460	1532.92	Masonry Nail on T.C. at NE corner	-0.10	0.05
Ellsworth	Baseline	1445.76	1445.91	865650.620	785574.130	1445.41	Masonry Nail w/ Brass Tag on T.C. at NW corner	-0.50	-0.35
Ellsworth	Southern	1481.05	1481.20	870710.050	786732.600	1479.84	Masonry Nail w/ Brass Tag on T.C. at SE corner	-1.36	-1.21
Ellsworth	Broadway	1509.49	1509.64	876094.910	786684.080	1508.94	Masonry Nail w/ Brass Tag on T.C. at NE corner	-0.70	-0.55
Ellsworth	Brown	1633.74	1633.89	886648.060	786717.840	1633.88	Masonry Nail w/ Brass Tag on T.C. at NE corner	-0.01	0.14
Ellsworth	McDowell	1834.95	1835.10	895722.800	786946.580	1834.80	Masonry Nail w/ Brass Tag on T.C. at E side User Pass	-0.30	-0.15
96th	Baseline	1464.26	1464.41	865617.700	788259.700	1463.79	Nail w/ Brass Tag on T.C. +/- 300 ft W of Baldwin, N side Baseline	-0.62	-0.47
96th	University	1577.53	1577.68	881355.640	789354.700	1577.58	Masonry Nail w/ Brass Tag on T.C. at NE corner	-0.10	0.05
96th	Brown	1648.89	1649.04	886644.510	789342.590	1649.09	Masonry Nail w/ Brass Tag on T.C. at NE corner	0.05	0.20
96th	McKellips	1766.66	1766.81	891920.630	789280.850	1766.56	Masonry Nail on T.C. N side McKellips & N of T1N R7E S10 N 1/4 cor	-0.25	-0.10
Crismon	US 60	1498.23	1498.38	867692.900	791954.950	1497.36	Nail w/ Brass Tag T.C. Median +/- 440 ft S of T1N R7E S34 E 1/4 cor	-1.02	-0.87
Crismon	Broadway	1553.04	1553.19	876080.410	791883.240	1552.88	Masonry Nail w/ Brass Tag on T.C. at NW corner	-0.31	-0.16
Crismon	Main	1573.17	1573.32	878752.630	791905.480	1573.03	Masonry Nail w/ Brass Tag on T.C. Median, W side of Crismon	-0.29	-0.14
Crismon	Adobe	1632.10	1632.25	884018.430	791981.200	1632.10	Masonry Nail on T.C. at NE corner	-0.15	0.00
104th	Brown	1677.67	1677.82	886635.280	794608.580	1677.82	Masonry Nail w/ Brass Tag on headwall at NE corner	0.00	0.15
Signal Butte	Warner	1453.53	1453.68	849798.720	796480.870	1453.61	Masonry Nail w/ Brass Tag on T.C. at NE corner	-0.07	0.08
Signal Butte	Reuben	1460.10	1460.25	852706.580	796443.750	1460.18	Masonry Nail w/ Brass Tag on T.C. at NE corner	-0.07	0.08
Signal Butte	Paloma	1468.74	1468.89	857611.810	796382.080	1468.51	Nail w/ Brass Tag on T.C. E side Signal Butte at driveway S of powerline	-0.38	-0.23
Signal Butte	Guadalupe	1479.58	1479.73	860348.100	796347.730	1479.08	Masonry Nail w/ Brass Tag on T.C. at NE corner	-0.65	-0.50
Signal Butte	Madero	1494.03	1494.18	862892.090	796267.380	1493.57	Masonry Nail w/ Brass Tag on T.C. E side of intersection	-0.61	-0.46
Signal Butte	Baseline	1511.15	1511.30	865489.550	796240.150	1510.82	Masonry Nail w/ Brass Tag on T.C. at SE corner	-0.48	-0.33
Signal Butte	US 60	1535.14	1535.29	868688.940	797311.190	1534.86	Masonry Nail w/ Brass Tag on T.C. at NE corner W bound off-ramp	-0.43	-0.28
Signal Butte	Southern	1545.70	1545.85	870883.950	797299.880	1545.54	Masonry Nail w/ Brass Tag on T.C. angle point at NE corner	-0.31	-0.16
Signal Butte	CAP Canal	1572.18	1572.33	873419.750	797200.750	1572.09	Masonry Nail w/ Brass Tag on T.C. angle point at SW bridge area	-0.24	-0.09
Signal Butte	Main	1605.42	1605.57	878763.920	797198.570	1605.40	Masonry Nail w/ Brass Tag on T.C. Median, W side of Signal Butte	-0.17	-0.02
Signal Butte	University	1623.38	1623.53	881363.170	797296.870	1623.53	Masonry Nail on T.C. at NE corner	0.00	0.15
Signal Butte	Adobe	1646.67	1646.82	883923.150	797273.270	1646.88	Masonry Nail w/ Brass Tag on T.C. at SE corner	0.06	0.21
Meridian	Warner	1481.15	1481.30	849725.370	801632.830	1481.14	Masonry Nail w/ Brass Tag on T.C. at NW corner	-0.16	-0.01
Meridian	Elliot	1496.66	1496.81	854999.320	801573.740	1496.19	Masonry Nail w/ Brass Tag on T.C. at NW corner	-0.62	-0.47
Meridian	Broadway	1619.75	1619.90	876039.950	802467.350	1619.18	Masonry Nail w/ Brass Tag on T.C. at SW corner	-0.72	-0.57
Meridian	University	1654.11	1654.26	881285.920	802550.950	1654.09	Masonry Nail w/ Brass Tag on T.C. at SE corner	-0.17	-0.02