

Acronym	Definition	Revised May 2021				
B.C.	Brass Cap	OVERVIEW				
C.L.	Center Line	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.				
Ch. Sq.	Chiseled Square					
Conc	Concrete					
D.W.	Drive Way					
Irr.	Irrigation					
J.U.P.	Joint Utility Pole	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. Contact Tom Lute, Chief Surveyor, City of Mesa with any questions or issues with this list. 480-644-4883 or thomas.lute@mesaaz.gov				
PP	Power Pole					
Rd.	Road					
T.C.	Top of Curb					

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	2021	
Price	Baseline	1198.36	1198.41	865157.830	707431.160	1198.31	3" Aluminum ADOT tablet S.E cor N bound off ramp 3139+58	-0.10	-0.05	144
Dobson	Guadalupe	1198.51	1198.56	860054.720	712174.520	1198.45	3" Brass cap N.W. corner (EPNG)	-0.11	-0.06	
Dobson	Baseline	1197.79	1197.84	865195.330	711926.320	1197.71	Brass Tag T.C. S.E. corner	-0.13	-0.08	
Dobson	Southern	1201.79	1201.84	870584.760	712915.990	1201.93	Brass Tag T.C. N.E. corner	0.09	0.14	
Dobson	Broadway	1211.75	1211.80	875903.380	712795.990	1211.64	Brass Tag T.C. N.W. corner	-0.16	-0.11	
Dobson	University	1211.62	1211.67	881067.080	712830.720	1211.61	Brass Tag T.C. S.W. corner	-0.06	-0.01	
Alma School	Guadalupe	1203.93	1203.99	860104.760	717485.410	1203.94	Brass Tag T.C. N.W. corner	-0.05	0.01	
Alma School	Broadway	1225.13	1225.19	875800.570	718397.410	1224.97	Brass Tag T.C. S.E. corner	-0.22	-0.16	
Alma School	University	1235.52	1235.58	881068.360	718297.210	1235.42	Brass Tag T.C. S.W. corner	-0.16	-0.10	
Country Club	Guadalupe	1211.89	1211.96	860119.830	722765.480	1211.84	B.C. on Irrigation Box N.W. corner	-0.12	-0.05	
Country Club	Baseline	1210.71	1210.78	865445.910	723179.830	1210.84	Brass Tag T.C. N.E. corner	0.06	0.13	
Country Club	University	1243.48	1243.55	881250.290	723341.190	1243.44	Brass Tag T.C. N.W. corner	-0.11	-0.04	
Country Club	McKellips	1217.72	1217.79	891745.200	723547.610	1217.69	Brass Tag T.C. S.E. corner	-0.10	-0.03	
Mesa	Baseline	1213.42	1213.50	865454.070	727961.260	1213.48	Brass Tag T.C. N.W. corner	-0.02	0.06	
Mesa	McKellips	1226.49	1226.57	891732.650	728778.200	1226.47	Brass Tag T.C. S.E. corner	-0.10	-0.02	
Stapley	Baseline	1221.71	1221.80	865509.020	733454.380	1221.81	Brass Tag T.C. N.E. corner	0.01	0.10	
Stapley	Southern	1225.13	1225.22	870701.880	734009.030	1225.22	Ch. Sq. Brass Tag T.C. N.E. corner	0.00	0.09	
Stapley	Broadway	1233.57	1233.66	875993.610	734020.030	1233.69	Brass Tag T.C. N.E. corner	0.03	0.12	
Stapley	McKellips	1271.60	1271.69	891752.320	734123.770	1271.64	Brass Tag T.C. S.E. corner	-0.05	0.04	
Gilbert	Baseline	1234.10	1234.20	865509.160	739246.150	1234.22	Brass Tag T.C. N.E. corner	0.02	0.12	
Gilbert	Broadway	1243.97	1244.07	876093.450	739253.110	1244.01	Brass Tag T.C. N.E. corner	-0.06	0.04	
Gilbert	McKellips	1284.14	1284.24	891851.870	739412.580	1284.11	Brass Tag T.C. S.E. corner	-0.13	-0.03	
Lindsay	Southern	1246.64	1246.75	870833.940	744429.640	1246.78	Brass Tag T.C. N.E. corner	0.03	0.14	
Lindsay	Broadway	1255.60	1255.71	876005.800	744333.890	1255.72	Brass Tag T.C. S.W. corner	0.01	0.12	
Lindsay	University	1270.18	1270.29	881382.160	744492.910	1270.24	Brass Tag T.C. N.E. corner	-0.05	0.06	
Lindsay	McKellips	1302.62	1302.73	891993.900	744536.330	1302.73	Brass Tag T.C. N.E. corner	0.00	0.11	
Lindsay	McDowell	1321.93	1322.04	897217.740	744485.510	1321.81	Brass Tag T.C. S.W. corner	-0.23	-0.12	
Val vista	Southern	1265.73	1265.85	870845.310	749646.310	1265.81	Brass Tag T.C. N.W. corner	-0.04	0.08	
Val Vista	Broadway	1275.20	1275.32	876042.020	749630.750	1275.34	Brass Tag S.W. corner	0.02	0.14	
Val Vista	University	1292.75	1292.87	881318.740	749705.810	1292.77	Brass Tag T.C. S.W. corner	-0.10	0.02	
Val Vista	Brown	1309.59	1309.71	886645.130	749694.500	1309.68	Brass Tag S.W. corner in head wall	-0.03	0.09	
Greenfield	Southern	1291.65	1291.78	870913.730	755062.520	1291.86	Brass Tag T.C. N.E. corner	0.08	0.21	
Greenfield	University	1321.69	1321.82	881482.240	754939.160	1321.70	Brass Tag T.C. N.W. corner	-0.12	0.01	
Greenfield	Brown	1341.49	1341.62	886756.750	755055.450	1341.51	Brass Tag T.C. N.E. corner	-0.11	0.02	
Greenfield	McKellips	1356.57	1356.70	892004.350	755030.920	1356.57	Brass Tag T.C. N.W.	-0.13	0.00	
Greenfield	McDowell	1364.91	1365.04	897218.350	755056.860	1364.79	Brass Tag T.C. S.W. corner	-0.25	-0.12	

48th	Baseline	1288.86	1288.99	865613.360	757396.670	1289.08	Brass Tag T.C. W Entrance 4850 E. Baseline	0.09	0.22
48th	Broadway	1317.71	1317.84	870900.350	757768.330	1317.81	Brass Tag T.C. NE corner	-0.03	0.10
48th	Southern	1306.03	1306.16	876187.410	757703.930	1306.26	Brass Tag T.C. NE corner	0.10	0.23
Higley	Pueblo	1324.20	1324.34	873547.390	760292.240	1324.33	Brass Tag T.C. E side Higley S of Delta on Irrig Easement	-0.01	0.13
Higley	Main	1347.46	1347.60	878832.380	760352.110	1347.55	Brass Tag T.C. N.E. corner	-0.05	0.09
Higley	University	1357.45	1357.59	881347.340	760324.060	1357.57	Brass Tag T.C. S.E corner	-0.02	0.12
Higley	McLellan	1391.39	1391.53	889374.140	760402.080	1391.45	Brass Tag T.C. NE corner	-0.08	0.06
Higley	McKellips	1398.98	1399.12	891910.200	760409.450	1398.95	Brass Tag T.C. S.E. corner	-0.17	-0.03
Higley	McDowell	1393.69	1393.83	897192.730	760359.480	1393.61	Brass Tag T.C. S.W. corner	-0.22	-0.08
Higley	Thomas	1380.34	1380.48	903763.240	760427.660	1380.18	Brass Tag T.C. N.E. corner	-0.30	-0.16
56th	Baseline	1315.07	1315.21	865642.130	762828.510	1315.34	Brass Tag T.C. E Property Line 5620 E Baseline	0.13	0.27
56th	Southern	1332.69	1332.83	870945.630	763094.510	1332.85	Brass Tag T.C. NE corner Somerset	0.02	0.16
56th	Main	1363.98	1364.12	878870.250	762929.860	1364.05	Brass Tag T.C. NE corner N of Traffic Light	-0.07	0.07
56th	Brown	1405.58	1405.72	886757.480	762930.090	1405.62	Brass Tag T.C. appx 300 ft W of Ambrosia	-0.10	0.04
Recker	Southern	1347.18	1347.33	870836.620	765551.470	1347.23	Brass Tag T.C. SE corner Leisure World Blvd	-0.10	0.05
Recker	Broadway	1362.67	1362.82	876258.610	765463.450	1362.77	Brass Tag T.C. N.W. corner	-0.05	0.10
Recker	Main	1381.85	1382.00	878874.200	765642.450	1381.91	Brass Tag T.C. N.E. corner	-0.09	0.06
Recker	University	1395.54	1395.69	881369.000	765511.680	1395.60	Brass Tag T.C. S.W. corner	-0.09	0.06
Recker	Adobe	1411.59	1411.74	884121.820	765626.560	1411.82	Brass tag T.C. NE corner	0.08	0.23
Recker	Hermosa Vista	1461.65	1461.80	894701.410	765621.270	1461.63	Brass Tag T.C. SW corner	-0.17	-0.02
Recker	McDowell	1459.72	1459.87	897329.640	765753.070	1461.66	Brass Tag T.C. N.E. corner	1.79	1.94
Recker	Thomas	1447.02	1447.17	902465.580	765638.710	1446.89	Brass Tag T.C. S.W. corner	-0.28	-0.13
64th	Baseline	1343.17	1343.32	865659.100	768103.640	1343.33	Brass Tag T.C. appx 72 ft W of 6308 E Baseline	0.01	0.16
64th	Broadway	1379.36	1379.51	876302.590	768172.700	1379.47	Brass Tag T.C. on E Property Line 6344 E. Broadway	-0.04	0.11
64th	Main	1398.62	1398.77	878877.710	768227.100	1398.68	Brass Tag T.C. NE corner	-0.09	0.06
64th	University	1414.78	1414.93	881508.550	768251.040	1414.90	Brass Tag T.C. NE corner	-0.03	0.12
64th	Brown	1451.27	1451.42	886776.390	768277.500	1451.42	Brass Tag T.C. NE corner	0.00	0.15
64th	McKellips	1488.61	1488.76	892069.260	768302.440	1488.68	Brass Tag T.C. NE corner	-0.08	0.07
64th	McDowell	1508.06	1508.21	897317.760	768377.830	1508.08	Brass Tag T.C. NE corner	-0.13	0.02
Power	Pecos	1337.67	1337.72	832719.660	770447.060	1337.86	Brass Tag T.C. NE corner	0.14	0.19
Power	202 San Tan	1323.95	1324.10	847364.160	770199.690	1324.07	Brass Tag T.C. NE corner	-0.03	0.12
Power	Warner	1321.72	1321.87	849950.790	770170.130	1321.89	Brass Tag T.C. N.E. corner	0.02	0.17
Power	Mesquite	1325.52	1325.67	852534.720	770099.260	1325.66	Brass Tag N side Irrigation Structure	-0.01	0.14
Power	Elliot	1327.48	1327.63	855111.310	770130.580	1327.60	Brass Tag in Headwall SE corner	-0.03	0.12
Power	Madero	1341.03	1341.03	862948.050	769918.580	1341.13	Brass Tag T.C. N.E. corner	0.10	0.10
Power	Baseline	1352.55	1352.70	865682.360	769732.120	1352.68	Brass Tag T.C. NW corner	-0.02	0.13
Power	US 60	1371.65	1371.80	868555.540	770838.220	1371.79	Brass Tag T.C. NE corner Freeway Offramp	-0.01	0.14
Power	Pueblo	1382.55	1382.70	873611.390	770843.910	1382.69	Brass Tag T.C. appx 220 ft N Pueblo on Frontage Side Rd	-0.01	0.14
Power	Main	1414.26	1414.41	878787.490	770767.470	1414.47	Brass Tag T.C. S.W. corner	0.06	0.21
Power	University	1435.07	1435.22	881444.640	770775.290	1435.22	Brass Tag T.C. S.W. corner	0.00	0.15
Power	Brown	1477.55	1477.70	886688.330	770963.650	1477.71	Brass Tag T.C. N.E. corner	0.01	0.16
Power	McLellan	1499.37	1499.52	889358.730	770835.200	1499.46	Brass Tag T.C. SW corner	-0.06	0.09
Power	McKellips	1522.82	1522.97	891983.840	771001.950	1522.98	Brass Tag T.C. N.E. corner	0.01	0.16
Power	Hermosa Vista	1539.22	1539.37	894588.610	770898.400	1539.38	Brass Tag T.C. SW corner	0.01	0.16
Power	McDowell	1552.68	1552.83	897215.260	770885.090	1552.87	Brass Tag T.C. S.W. corner	0.04	0.19
Power	Hwy 202	1569.92	1570.07	900193.480	770920.710	1570.12	Brass Tag T.C. SW corner	0.05	0.20
Power	Thomas	1566.02	1566.17	902471.320	771021.430	1566.21	Brass Tag T.C. SE corner	0.04	0.19
Power	1/2 Mile N Thomas	1575.24	1575.39	905197.330	770993.540	1575.34	Brass Tag T.C. 1/2 Mile N of Thomas / E side of Thomas	-0.05	0.10
72nd	Baseline	1370.51	1370.66	865674.530	773396.560	1370.62	Brass Tag T.C. Baseline N of T1N R7E 31S 1/4 corner	-0.04	0.11
72nd	Southern	1390.27	1390.42	870776.120	773449.570	1390.34	Brass Tag T.C. NE corner Clearview	-0.08	0.07
72nd	Brown	1501.72	1501.87	886621.480	773475.390	1501.87	Brass Tag T.C. NE Corner	0.00	0.15
72nd	McKellips	1555.88	1556.03	891917.860	773599.750	1555.88	Brass Tag T.C. NE corner Terripin	-0.15	0.00
Sossaman	Germann	1356.69	1356.84	829029.150	775501.190	1356.78	Brass Tag N.W. corner in bridge	-0.06	0.09
Sossaman	Guadalupe	1358.84	1358.99	860422.410	774999.880	1358.79	Brass Tag T.C. N.W. corner	-0.20	-0.05
Sossaman	Baseline	1388.17	1388.32	865680.320	776089.750	1388.09	Brass Tag T.C. N.E. corner	-0.23	-0.08

Sossaman	Pueblo	1415.27	1415.42	873439.480	776077.100	1415.38	Brass Tag T.C. NE corner	-0.04	0.11
Sossaman	Main	1448.46	1448.61	878798.970	776115.910	1448.45	Brass Tag T.C. N.E. corner	-0.16	-0.01
Sossaman	Adobe	1497.29	1497.44	883978.323	776056.519	1497.23	Brass Tag T.C. N of T1N R7E 18E 1/4 corner	-0.21	-0.06
Sossaman	Brown	1528.92	1529.07	886641.150	776110.840	1529.09	Brass tag T.C. NE Corner Sossaman Alignment	0.02	0.17
Sossaman	Hermosa Vista	1617.48	1617.63	894455.890	776056.440	1617.47	Brass Tag T.C. SW corner	-0.16	-0.01
80th	Brown	1554.85	1555.00	886641.750	778773.910	1555.05	Brass Tag T.C. NE Corner	0.05	0.20
80th	McKellips	1627.84	1627.99	891920.030	778717.750	1627.89	Brass Tag 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	Brass Tag T.C. NW corner	-0.17	-0.02
Hawes	Elliot	1377.37	1377.52	855134.280	780459.500	1377.25	Brass Tag N.W. corner in Headwall	-0.27	-0.12
Hawes	Baseline	1414.43	1414.58	865566.710	780226.620	1414.39	Brass Tag T.C. SW corner	-0.19	-0.04
Hawes	Southern	1443.15	1443.30	870717.440	781294.780	1443.00	Brass Tag T.C. S.W. corner	-0.30	-0.15
Hawes	Pueblo	1453.17	1453.32	873420.350	781403.460	1452.77	Brass Tag T.C. NE corner	-0.55	-0.40
Hawes	Main	1493.16	1493.31	878833.400	781798.450	1493.25	Brass Tag on Headwall appx 500 ft E Hawes N side Main	-0.06	0.09
Hawes	Brown	1601.46	1601.61	886596.450	781357.150	1601.61	Brass Tag 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	Brass Tag T.C. SW corner	-0.21	-0.06
Hawes	McDowell	1756.59	1756.74	897273.710	781419.590	1756.50	Brass Tag T.C. N.E. corner	-0.24	-0.09
88th	Baseline	1430.35	1430.50	865625.750	782948.660	1430.25	Brass Tag T.C. 28 ft N of T1S R7E 4N 1/4 corner	-0.25	-0.10
88th	Southern	1460.11	1460.26	870805.790	783938.690	1459.51	Brass Tag T.C. NW corner	-0.75	-0.60
88th	University	1532.87	1533.02	881360.980	784055.460	1532.92	Brass Tag T.C. NE corner	-0.10	0.05
Ellsworth	Baseline	1445.76	1445.91	865650.620	785574.130	1445.41	Brass Tag T.C. NW corner	-0.50	-0.35
Ellsworth	Southern	1481.05	1481.20	870710.050	786732.600	1479.84	Brass Tag T.C. S.E. corner	-1.36	-1.21
Ellsworth	Broadway	1509.49	1509.64	876094.910	786684.080	1508.94	Brass Tag T.C. N.E. corner	-0.70	-0.55
Ellsworth	Main	1529.87	1530.02	878743.420	786611.680	1529.73	Brass Tag T.C. Median W. side	-0.29	-0.14
Ellsworth	Brown	1633.74	1633.89	886648.060	786717.840	1633.88	Brass Tag T.C. NE corner	-0.01	0.14
Ellsworth	McDowell	1834.95	1835.10	895722.800	786946.580	1834.80	Brass Tag E side Usery Pass	-0.30	-0.15
96th	Baseline	1464.26	1464.41	865617.700	788259.700	1463.79	Brass Tag T.C. N side Baseline appx 300 ft W of Baldwin	-0.62	-0.47
96th	Southern	1498.76	1498.91	870798.800	789350.960	1497.55	Brass Tag T.C. NE corner	-1.36	-1.21
96th	University	1577.53	1577.68	881355.640	789354.700	1577.58	Brass Tag T.C. NE corner	-0.10	0.05
96th	Brown	1648.89	1649.04	886644.510	789342.590	1649.09	Brass Tag T.C. NE corner	0.05	0.20
96th	McKellips	1766.66	1766.81	891920.630	789280.850	1766.56	Brass Tag T.C. N side McKellips & T1N R7E 10N 1/4 corner	-0.25	-0.10
Crismon	US 60	1498.23	1498.38	867692.900	791954.950	1497.36	Brass Tag T.C. Median appx 440 ft S of T1N R7E 34E 1/4 cor	-1.02	-0.87
Crismon	Broadway	1553.04	1553.19	876080.410	791883.240	1552.88	Brass Tag T.C. N.W. corner	-0.31	-0.16
Crismon	Main	1573.17	1573.32	878752.630	791905.480	1573.03	Brass Tag T.C. Median W. side	-0.29	-0.14
Crismon	Adobe	1632.10	1632.25	884018.430	791981.200	1632.10	Brass tag T.C. NE corner	-0.15	0.00
104th	Brown	1677.67	1677.82	886635.280	794608.580	1677.82	Brass Tag on Headwall NE corner	0.00	0.15
Signal Butte	Warner	1453.53	1453.68	849798.720	796480.870	1453.61	Brass Tag T.C. NE Corner	-0.07	0.08
Signal Butte	Reuben	1460.10	1460.25	852706.580	796443.750	1460.18	Brass Tag T.C. NE Corner	-0.07	0.08
Signal Butte	Paloma	1468.74	1468.89	857611.810	796382.080	1468.51	Brass Tag T.C. East Side DriveWay Wing @ Powerline	-0.38	-0.23
Signal Butte	Guadalupe	1479.58	1479.73	860348.100	796347.730	1479.08	Brass Tag T.C. NE Corner	-0.65	-0.50
Signal Butte	Madero	1494.03	1494.18	862892.090	796267.380	1493.57	Brass Tag T.C. East Side Intersection	-0.61	-0.46
Signal Butte	Baseline	1511.15	1511.30	865489.550	796240.150	1510.82	Brass Tag T.C. SE Corner	-0.48	-0.33
Signal Butte	US 60	1535.14	1535.29	868688.940	797311.190	1534.86	Brass Tag T.C. Freeway Offramp NE Cor	-0.43	-0.28
Signal Butte	Southern	1545.70	1545.85	870883.950	797299.880	1545.54	Brass Tag T.C. North Angle Point NE Corner	-0.31	-0.16
Signal Butte	CAP Canal	1572.18	1572.33	873419.750	797200.750	1572.09	Brass Tag T.C. SW Bridge Area @ North End Curb	-0.24	-0.09
Signal Butte	Main	1605.42	1605.57	878763.920	797198.570	1605.40	Brass Tag West Side Median	-0.17	-0.02
Signal Butte	University	1623.38	1623.53	881363.170	797296.870	1623.53	Brass Tag T.C. NE Corner	0.00	0.15
Signal Butte	Adobe	1646.67	1646.82	883923.150	797273.270	1646.88	Brass Tag T.C. SE Corner	0.06	0.21
Meridian	Warner	1481.15	1481.30	849725.370	801632.830	1481.14	Brass Tag T.C. N.W. corner	-0.16	-0.01
Meridian	Elliot	1496.66	1496.81	854999.320	801573.740	1496.19	Brass Tag T.C. N.W. corner	-0.62	-0.47
Meridian	Baseline	1550.36	1550.51	865547.520	802511.270	1550.08	Brass Tag T.C. N.W. corner	-0.43	-0.28
Meridian	Broadway	1619.75	1619.90	876039.950	802467.350	1619.18	Brass Tag T.C. S.W. corner	-0.72	-0.57
Meridian	Main	1638.64	1638.79	878761.730	802476.170	1638.40	Brass Tag T.C. W. Median	-0.39	-0.24
Meridian	University	1654.11	1654.26	881285.920	802550.950	1654.09	Brass Tag T.C. S.E. corner	-0.17	-0.02