

Vertical Control Adjustment 2008

Midland Surveying, Inc. was contracted by the City of St. Joseph, Missouri to provide accurate elevations for all Buchanan County Geographic Reference System Stations within the city limits of St. Joe. Midland Surveying, Inc. used the static GPS observation method to obtain the necessary data. Base stations with fixed height tripods were set at the following NGS Stations: D73 (vertical second order), F217 (vertical first order), P72 (vertical second order) and Q340 (vertical first order). A fifth receiver was used to occupy (16) Buchanan County GRS Monuments with observation times of 30 minutes to 1 hour. Observation times were determined based upon the length of the independent vector base lines. Observations were obtained between January 2, 2008 and February 25, 2008.

ID	N (FT)	E (FT)	Elev (FT)
BU 01	1324006.39	2700256.01	1065.05
BU 02	1313257.94	2713284.48	914.14
BU 03	1325534.88	2713556.65	866.44
BU 04	1329166.43	2693035.29	997.27
BU 05	1311399.18	2691356.30	890.36
BU 06	1312073.71	2702596.66	976.70
BU 07	1305283.77	2711192.82	976.56
BU 08	1304102.17	2722540.59	846.52
BU 09	1304083.38	2698206.58	949.77
BU 10	1303407.17	2689467.35	826.41
BU 11	1293895.48	2680243.58	811.83
BU 12	1286096.37	2679717.24	831.99
BU 13	1290577.83	2715830.71	1010.21
BU 14	1290152.99	2705407.34	1017.56
BU 15	1291172.92	2694111.11	1042.92
BU 16	1318713.60	2707980.56	972.54
7	1299117.10	2688030.38	818.19
Blair	1298499.06	2705401.31	1028.14
Krug Ecc	1322158.73	2689620.58	1066.54
Rose	1314854.30	2675576.36	818.22
St. Joe Reset	1326625.30	2684862.85	1137.16
Z-341	1309361.56	2696115.34	868.69
Z-72	1299829.35	2693858.10	856.43

Horizontal Datum: Missouri West Zone, NAD83(1997), 2000 adjustment

Vertical Datum: NAVD88, 2000 adjustment