

GPS - 35

All values are referenced to the North American Datum NAD 83 (1995)

Latitude:	35° 32 ft 36.90156 inches	TN Northing:	135487.098 m
Longitude:	84° 22 ft 59.97885 inches	TN Easting:	746588.083 m
Elevation:	317.376 m (1,041.26 ft)		
Convergence:	+0° 56 ft 47.3 inches	Scale Factor:	0.99996118
Monument Set by:	NGS	Date:	1987
County:	Monroe	Nearest Town:	Madisonville
USGS QUAD:	Sweetwater	TVA Designation:	131-SW

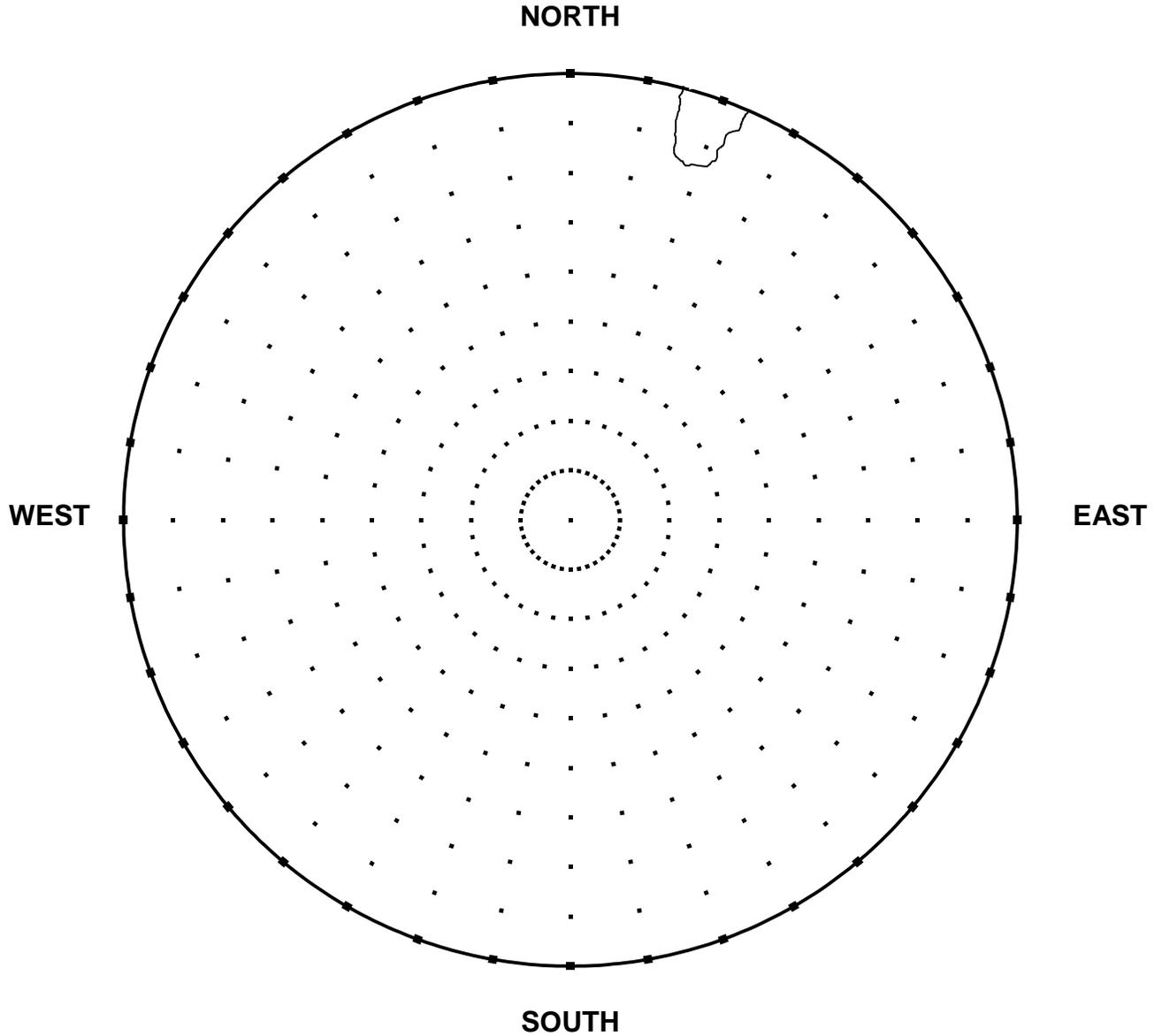
Description:

The station is located about 9.7 km (6 mi.) southwest of Sweetwater, 3.2 km (2 mi.) northwest of Madisonville, at the Madisonville/Monroe County Airport, 0.21 km (0.13 mi.) southwest of the airport office and on the highest part of a low ridge between the runway and access road. Ownership--Airport Manager is Larry Hamilton, telephone (615) 442-4506.

To reach the station from the Courthouse in Madisonville go north for 0.8 km (0.5 mi.) on College Street to a fork at Sweetwater Road. Follow the left fork and go north for 3.94 km (2.45 mi.) on Sweetwater Road to the airport entrance drive on the right. Turn right and go northeast for 1.6 km (1.0 mi.) on the airport entrance drive to the airport office and the station about equidistant between the office and the southwest end of the runway.

The station is a 3-D mark with stainless steel rod driven 14.3 m (47 ft.). The logo cap is stamped---GPS 35 1987---, and a steel spike is embedded in the concrete. Located 65.2 m (214 ft.) northwest from the runway center and 2.4 m (8 ft.) above same, 18.0 m (59 ft.) southeast from the road center, 38.7 m (127 ft.) northwest from a vasi navigation light, 33.2 m (109 ft.) southeast from a utility pole, 2.1 m (6.9 ft.) southeast from airport chain link boundary fence. Fence is 1.8 m (6 ft.) tall, 0.4 m (1.2 ft.) southwest from a fiberglass witness post.

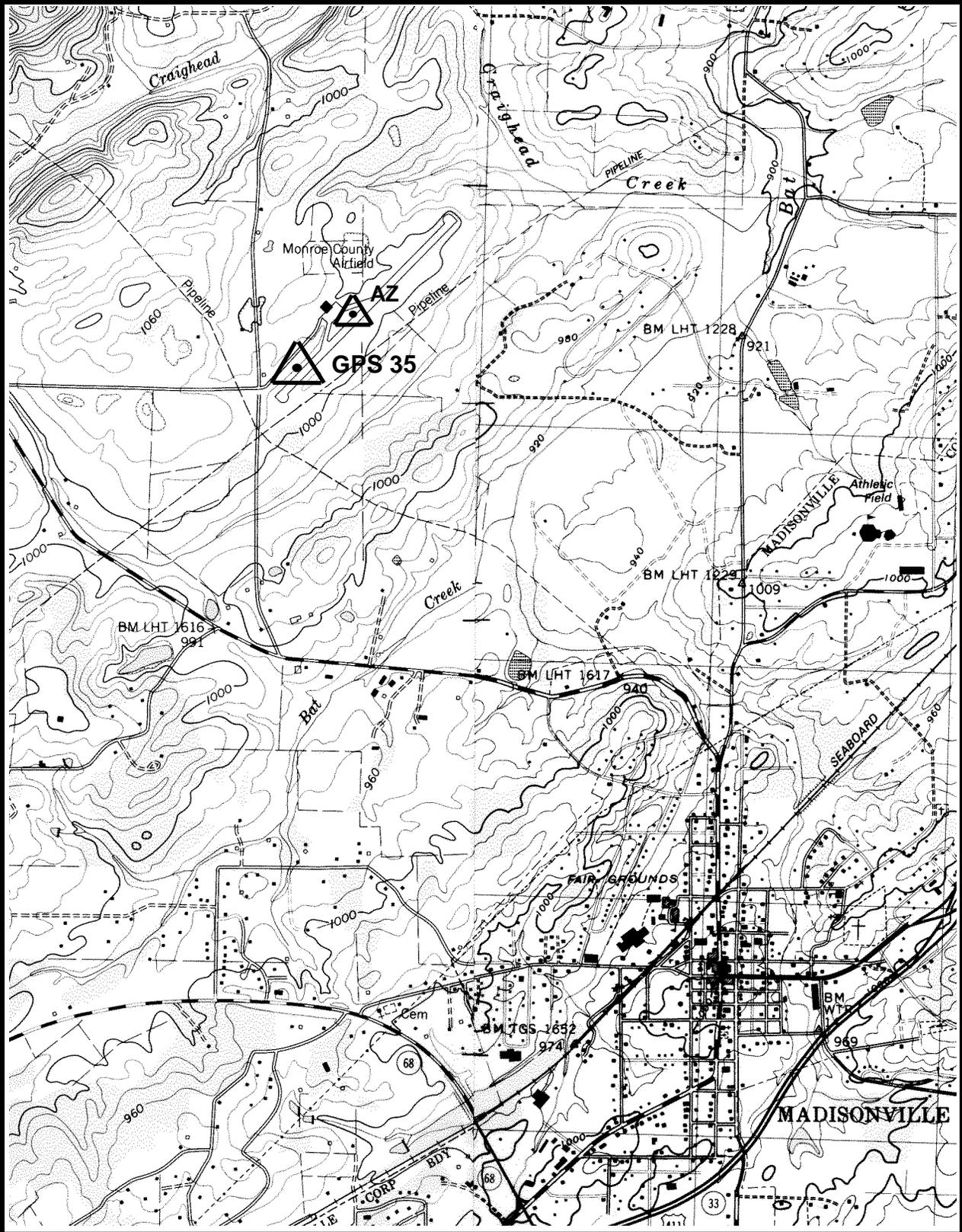
STATION VISIBILITY DIAGRAM



ELEVATION	<u>317.376 m (1,041.26 ft)</u>	DATE	<u>July 1997</u>
LATITUDE	<u>35° 32 ft 37 inches</u>	ORGANIZATION	<u>TDOT</u>
LONGITUDE	<u>84° 23 ft 00 inches</u>	MAP SCALE	<u>7 1/2 ft USGS</u>
STATION NAME	<u>GPS 35</u>	MAP SHEET	<u>131-SW, Sweetwater</u>
		OBSERVER	<u>CLJ</u>
		Observer's height	<u>6 ft</u>

NOTES:

TENNESSEE GEODETIC REFERENCE NETWORK



GPS 35 131-SW,

SWEETWATER

GPS - 35 AZ MK

All values are referenced to the North American Datum NAD 83 (1995)

Latitude:	35° 32 ft 42.93636 inches	TN Northing:	135676.981 m
Longitude:	84° 22 ft 50.55166 inches	TN Easting:	746822.425 m
Elevation:	309.966 m* (1,016.95 ft.)		
Convergence:	+0° 56 ft 52.8 inches	Scale Factor:	0.99996103
Monument Set by:	NGS	Date:	1987
County:	Monroe	Nearest Town:	Madisonville
USGS QUAD:	Sweetwater	TVA Designation:	131-SW

Description:

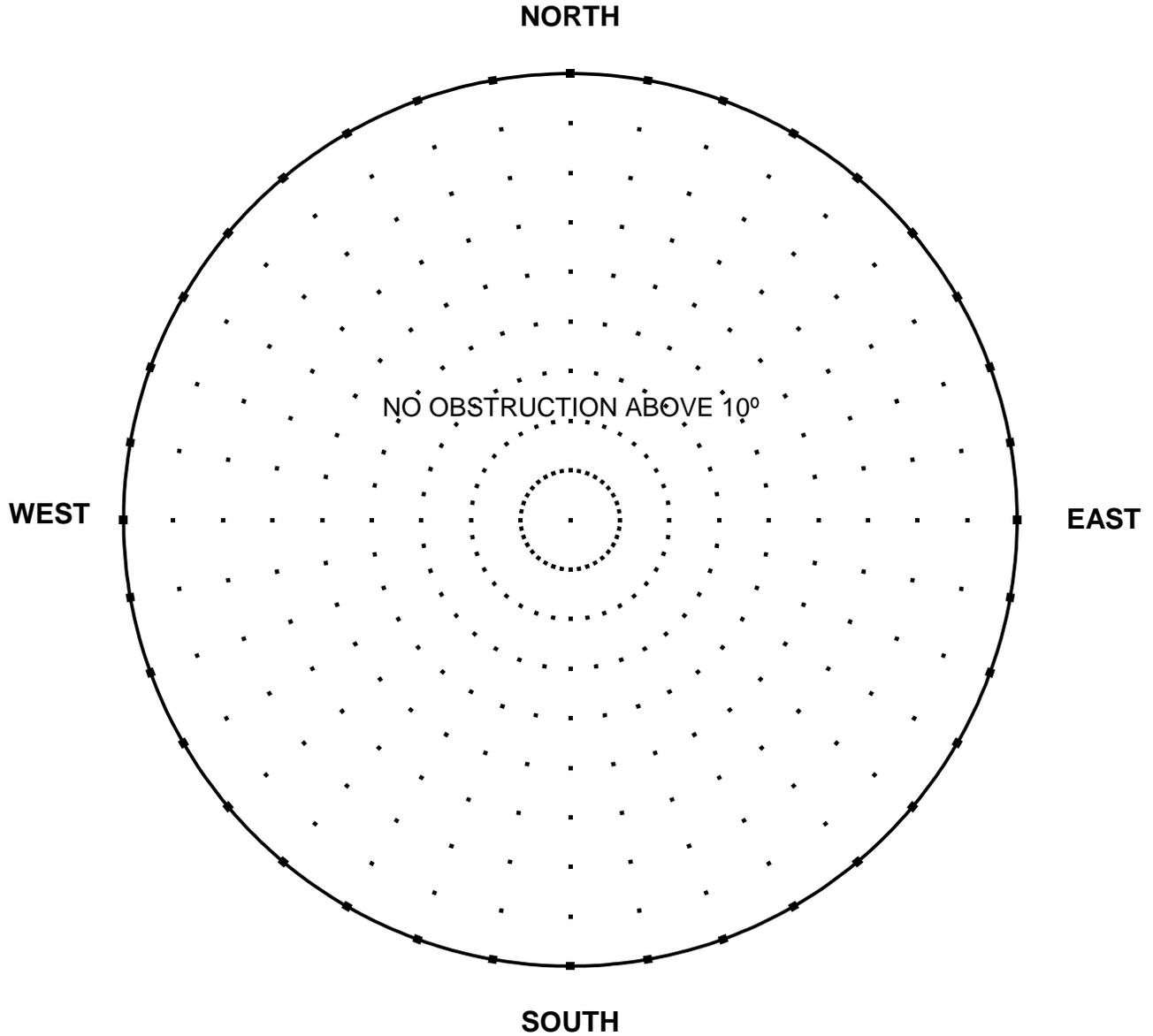
The azimuth mark is located about 9.7 km (6 mi.) southwest of Sweetwater, 3.2 km (2 mi.) northwest of Madisonville, at the Madisonville/Monroe County Airport in a triangular plot of ground formed by the taxiway and runway. Ownership--Airport Manager is Larry Hamilton, telephone (615) 442-4506.

To reach the azimuth mark from the Courthouse in Madisonville go north for 0.8 km (0.5 mi.) on College Street to a fork at Sweetwater Road. Follow the left fork and go north for 3.94 km (2.45 mi.) on Sweetwater Road to the airport entrance drive on the right. Turn right and go northeast for 1.6 km (1.0 mi.) on the airport entrance drive to the airport office, thence easterly 0.16 km (0.1 mi.) to the mark near the center of a grassy triangle formed by the runway and taxiway.

The azimuth is a 3-D mark with stainless steel rod driven 5.8 m (19 ft.) to refusal, 0.08 m (0.25 ft.) below ground, with a logo cap stamped---GPS 35 AZ MK 1987---, and a rebar set in the concrete. Located 20.2 m (66.3 ft.) southeast of the southeast edge of the east-west taxiway, 11.0 m (36 ft.) northwest of the northwest edge of the runway, 12.5 m (41.0 ft.) east of a pipe culvert under the ground and 0.5 m (1.7 ft.) southwest of a fiberglass witness post, also 0.32 km (0.2 mi.) northeast of station GPS 35.

* GPS derived elevation using the Geoid 96 Model and the WGS 1984 Reference Ellipsoid.

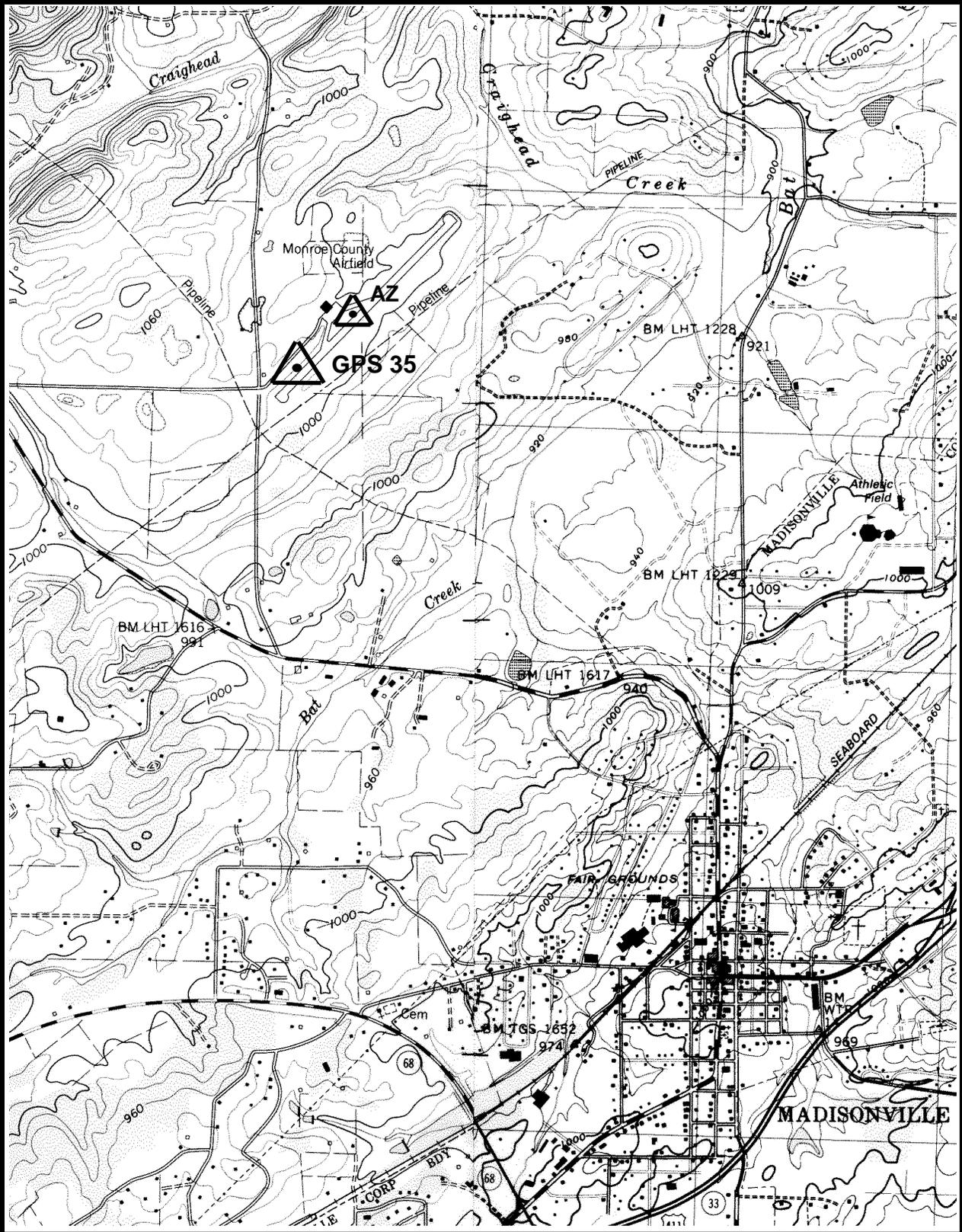
STATION VISIBILITY DIAGRAM



ELEVATION 309.966 m (1,016.95 ft.) DATE July 1997
LATITUDE 35° 32 ft 43 inches ORGANIZATION TDOT
LONGITUDE 84° 23 ft 51 inches MAP SCALE 7 1/2 ft USGS
STATION NAME GPS 35 AZ MK MAP SHEET 131-SW, Sweetwater
OBSERVER CLJ
Observer's height 6 ft

NOTES:

TENNESSEE GEODETIC REFERENCE NETWORK



GPS 35

131-SW, SWEETWATER