

**GPS - 44**

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

Latitude:	<b>35° 39 ft 16.41539 inches</b>	TN Northing:	<b>149210.603 m</b>
Longitude:	<b>88° 22 ft 50.45988 inches</b>	TN Easting:	<b>384447.938 m</b>
Elevation:	<b>156.752 m (514.28 ft)</b>		
Convergence:	<b>-1° 23 ft 37.5 inches</b>	Scale Factor:	<b>0.99995328</b>
Monument Set by:	<b>NGS</b>	Date:	<b>1987</b>
County:	<b>Henderson</b>	Nearest Town:	<b>Lexington</b>
USGS QUAD:	<b>Lexington</b>	TVA Designation:	<b>11-NW</b>

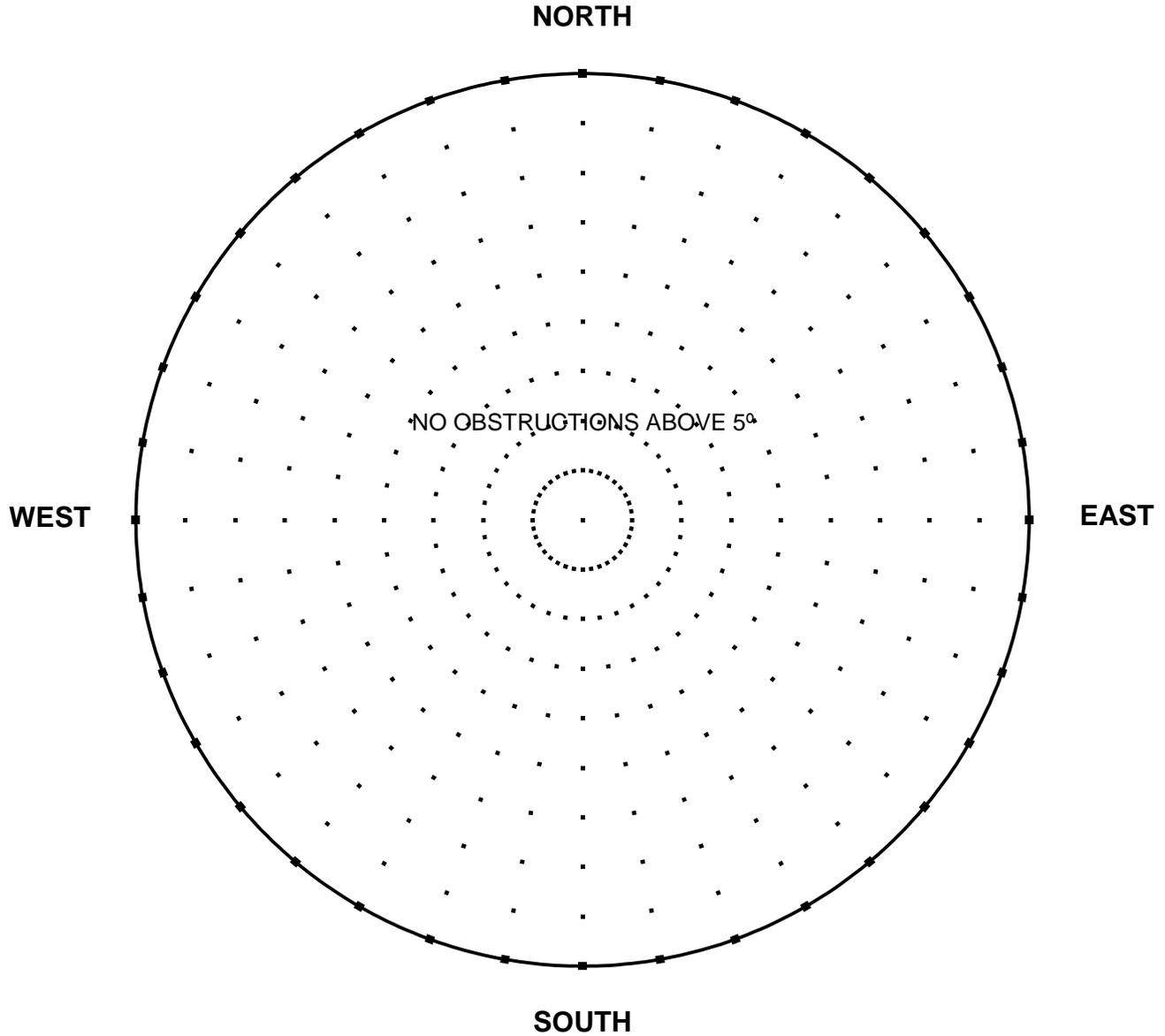
Description:

The station is located about 1.6 km (1 mi.) northeast of Lexington, at the Lexington/Franklin Wilkins Airport, 0.16 km (0.1 mi.) east of the airport office at the junction of the taxiway and the paved runway. Ownership-- Airport Manager is R. V. Woods, office telephone (901) 968-3666/8641, home telephone (901) 968-7730. Assistant Manager is Bill Meal. The airport is locked at night.

To reach the station from the junction of U.S. Highway 412/State Route 20 and State Route 22 in Lexington go east for 0.16 km (0.1 mi.) on U.S. Highway 412/State Route 20 to the junction of State Route 114. Turn left and go north for 1.13 km (0.7 mi.) on State Route 114 to the airport entrance drive on the right. Turn right and go south for 0.32 km (0.2 mi.) on the airport entrance drive to the airport office and the station located 0.16 km (0.1 mi.) east of the airport office at the junction of the taxiway and the paved runway.

The station is a 3-D mark with stainless steel rod driven 5.5 m (18 ft.). The logo cap is stamped---GPS 44 1987---, and a steel spike is embedded in the concrete. Located on the line with the northwest edge of the turf runway, 26.8 m (88 ft.) south-southwest from the center of the paved runway and 0.3 m (1 ft.) below same, 17.4 m (57 ft.) south-southeast from the taxiway center, 42.7 m (140 ft.) southeast from a strobe, 0.5 m (1.5 ft.) northeast from a fiberglass witness post.

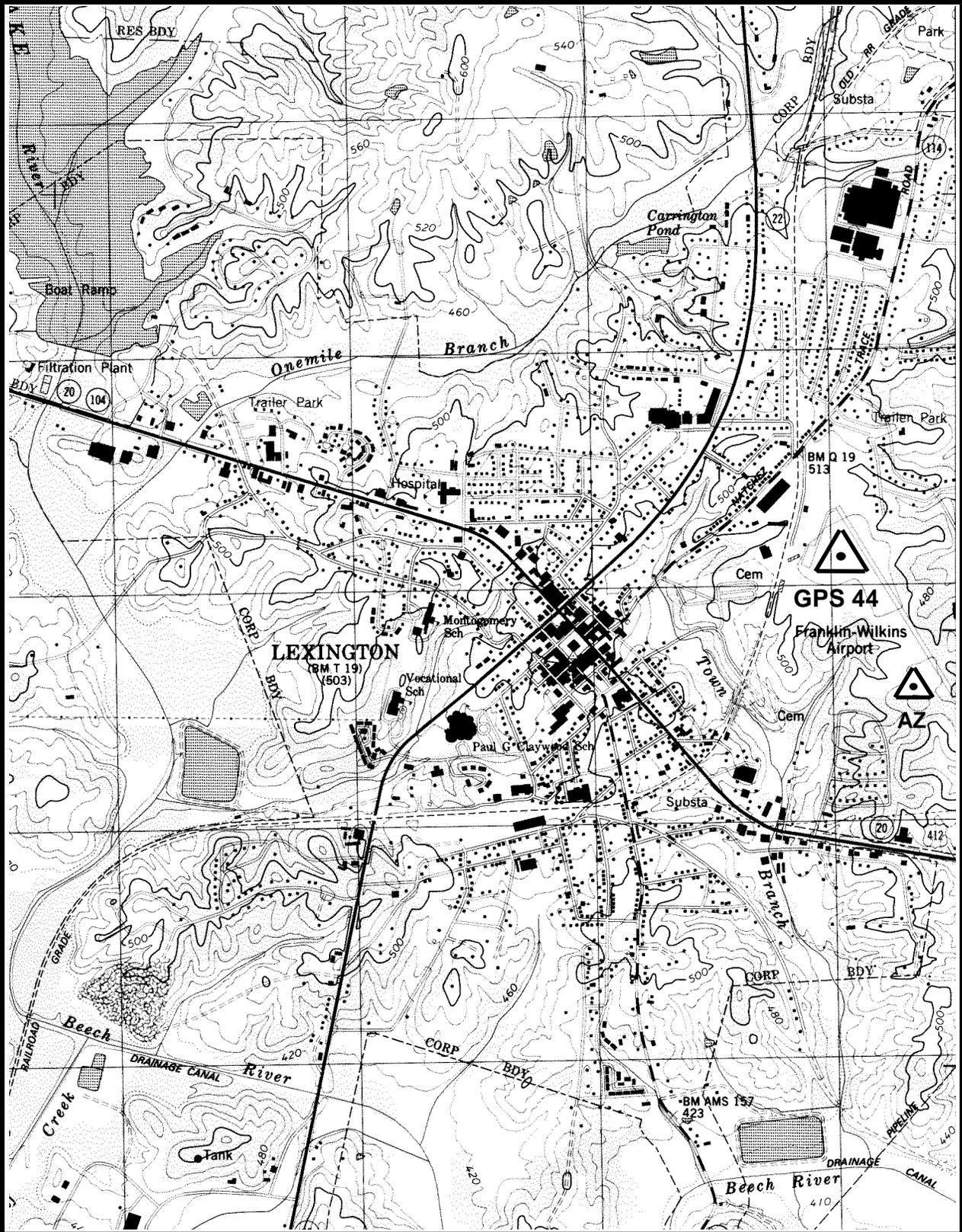
# STATION VISIBILITY DIAGRAM



ELEVATION	<u>156.752 m (514.28 ft)</u>	DATE	<u>July 1997</u>
LATITUDE	<u>35° 39 ft 16 inches</u>	ORGANIZATION	<u>TDOT</u>
LONGITUDE	<u>88° 22 ft 50 inches</u>	MAP SCALE	<u>7 1/2 ft USGS</u>
STATION NAME	<u>GPS 44</u>	MAP SHEET	<u>11-NW, Lexington</u>
		OBSERVER	<u>CLJ</u>
		Observer's height	<u>6 ft</u>

NOTES:

TENNESSEE GEODETIC REFERENCE NETWORK



GPS 44

11-NW, LEXINGTON

**GPS - 44 AZ MK**

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

Latitude:	<b>35° 38 ft 58.17983 inches</b>	TN Northing:	<b>148640.405 m</b>
Longitude:	<b>88° 22 ft 36.77236 inches</b>	TN Easting:	<b>384778.472 m</b>
Elevation:	<b>155.489 m* (510.13 ft)</b>		
Convergence:	<b>-1° 23 ft 29.5 inches</b>	Scale Factor:	<b>0.99995356</b>
Monument Set by:	<b>NGS</b>	Date:	<b>1987</b>
County:	<b>Henderson</b>	Nearest Town:	<b>Lexington</b>
USGS QUAD:	<b>Lexington</b>	TVA Designation:	<b>11-NW</b>

Description:

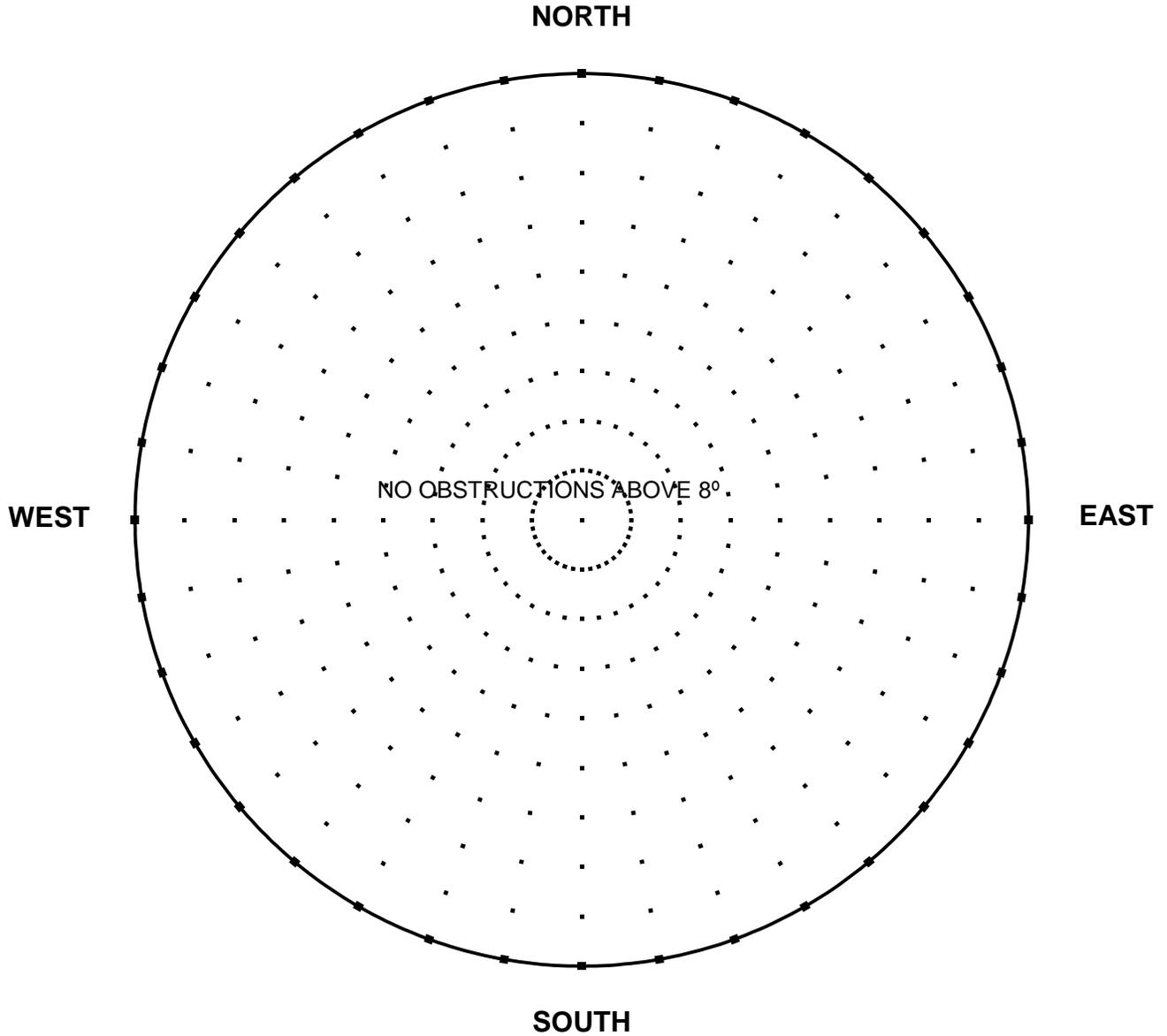
The azimuth mark is located about 1.6 km (1 mi.) northeast of Lexington, at the Lexington/Franklin Wilkins Airport. Ownership-- Airport Manager is R. V. Woods, office telephone (901) 968-3666/8641, home telephone (901) 968-7730. Assistant Manager is Bill Meals, home telephone (901) 968-7759. The airport is locked at night.

To reach the azimuth mark from the junction of U.S. Highway 412/State Route 20 and State Route 22 in Lexington go east for 0.16 km (0.1 mi.) on U.S. Highway 412/State Route 20 to the junction of State Route 114. Turn left and go north for 1.13 km (0.7 mi.) on State Route 114 to the airport entrance drive on the right. Turn right and go south for 0.32 km (0.2 mi.) on the airport entrance drive to the airport office. Then go northeast along the taxiway 0.16 km (0.1 mi.) to the junction of the runway, turn right and go 0.65 km (0.4 mi.) northeast along the southwest side of the runway to the mark on the right.

The azimuth mark is a 3-D mark with stainless steel rod driven 6.4 m (21 ft.). The logo cap is stamped---GPS 44 AZ MK 1987---, and a steel rebar is embedded in the concrete. Located across the runway from a National Guard building (visible only in the fall and winter), 13.4 m (43.8 ft.) southwest of the southwest edge of the runway, 10.1 m (33 ft.) southwest of the 12<sup>th</sup> white run light from the junction of taxiway and runway 0.6 km (0.4 mi.), and 0.3 m (1 ft.) east of a fiberglass witness post.

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

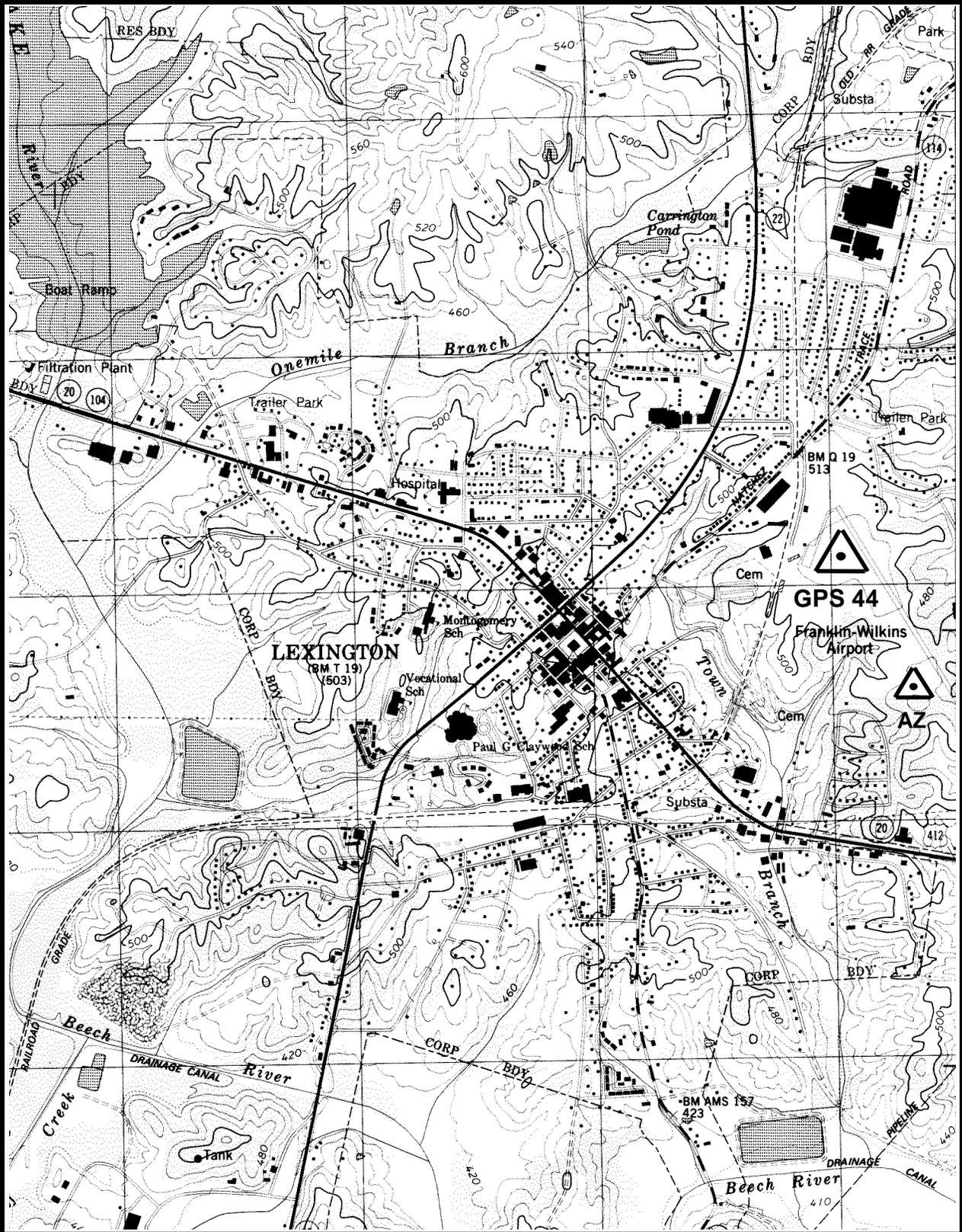
# STATION VISIBILITY DIAGRAM



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LONGITUDE	<u>88° 22 ft 37 inches</u>	MAP SCALE	<u>7 1/2 ft USGS</u>
STATION NAME	<u>GPS 44 AZ MK</u>	MAP SHEET	<u>11-NW, Lexington</u>
		OBSERVER	<u>CLJ</u>
		Observer's height	<u>6 ft</u>

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TENNESSEE GEODETIC REFERENCE NETWORK



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11-NW, LEXINGTON