

**GPS - 18**

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

Latitude:	<b>36° 11 ft 36.69841 inches</b>	TN Northing:	<b>211054.539 m</b>
Longitude:	<b>82° 48 ft 47.61259 inches</b>	TN Easting:	<b>886567.843 m</b>
Elevation:	<b>488.499 m (1,602.68 ft)</b>		
Convergence:	<b>+1° 51 ft 56.4 inches</b>	Scale Factor:	<b>0.99996802</b>
Monument Set by:	<b>NGS</b>	Date:	<b>1987</b>
County:	<b>Greene</b>	Nearest Town:	<b>Greeneville</b>
USGS QUAD:	<b>Greeneville</b>	TVA Designation:	<b>181-NE</b>

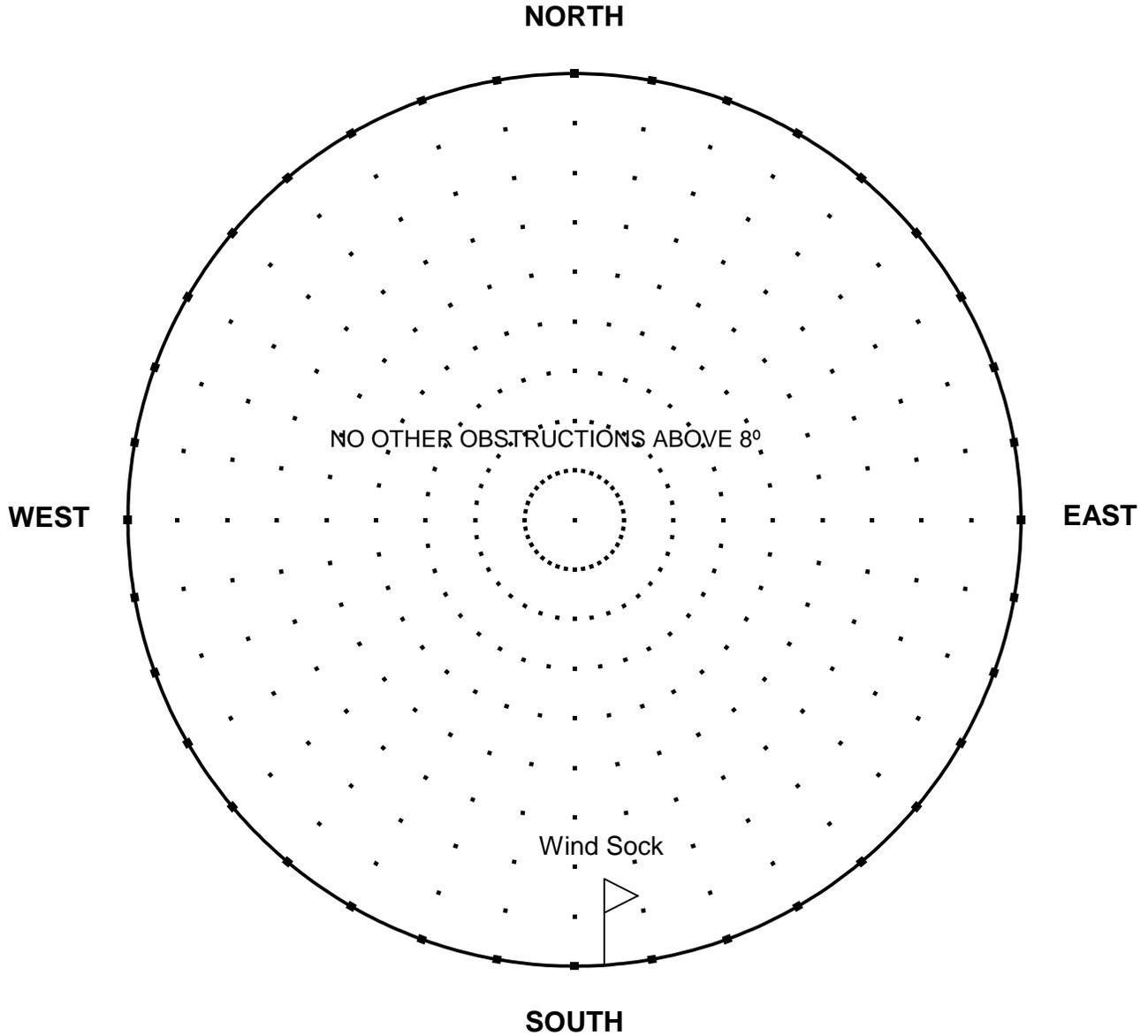
Description:

The station is located about 2.4 km (1.5 mi.) north of Greeneville, at the Greeneville Municipal Airport. To reach the station from the junction of 11E and 172, take 172 south (also called Baileyton Access Road) 0.16 km (0.1 mi.) to fork in road. Veer right onto White House Road. Travel 1.3 km (0.8 mi.) on White House Road to airport entrance drive on right. Travel 1.1 km (0.7 mi.) on airport entrance drive to airport office on left. Ownership--Airport Authority, telephone (615) 639-6275.

The station is located on the Greeneville Municipal Airport, about 0.16 km (0.1 mi.) north-northwest from the Airport Office, between an aircraft parking area and the runway.

The station is a 3-D mark with stainless steel rod driven 9.4 m (31 ft.). The logo cap is stamped---GPS 18 1987---, and a steel spike is set in the concrete. Located 72.2 m (237 ft.) southwest from the taxiway centerline 67.1 m (220 ft.) southeast from the runway centerline, and 0.9 m (3 ft.) below same, 13.8 m (45.3 ft.) north from a round brown steel water guage, 20.0 m (65.5 ft.) north from a wind sock, 20.1 m (66 ft.) northwest from the northwest edge of the paved parking area, 0.3 m (1 ft.) southeast from a fiberglass witness post.

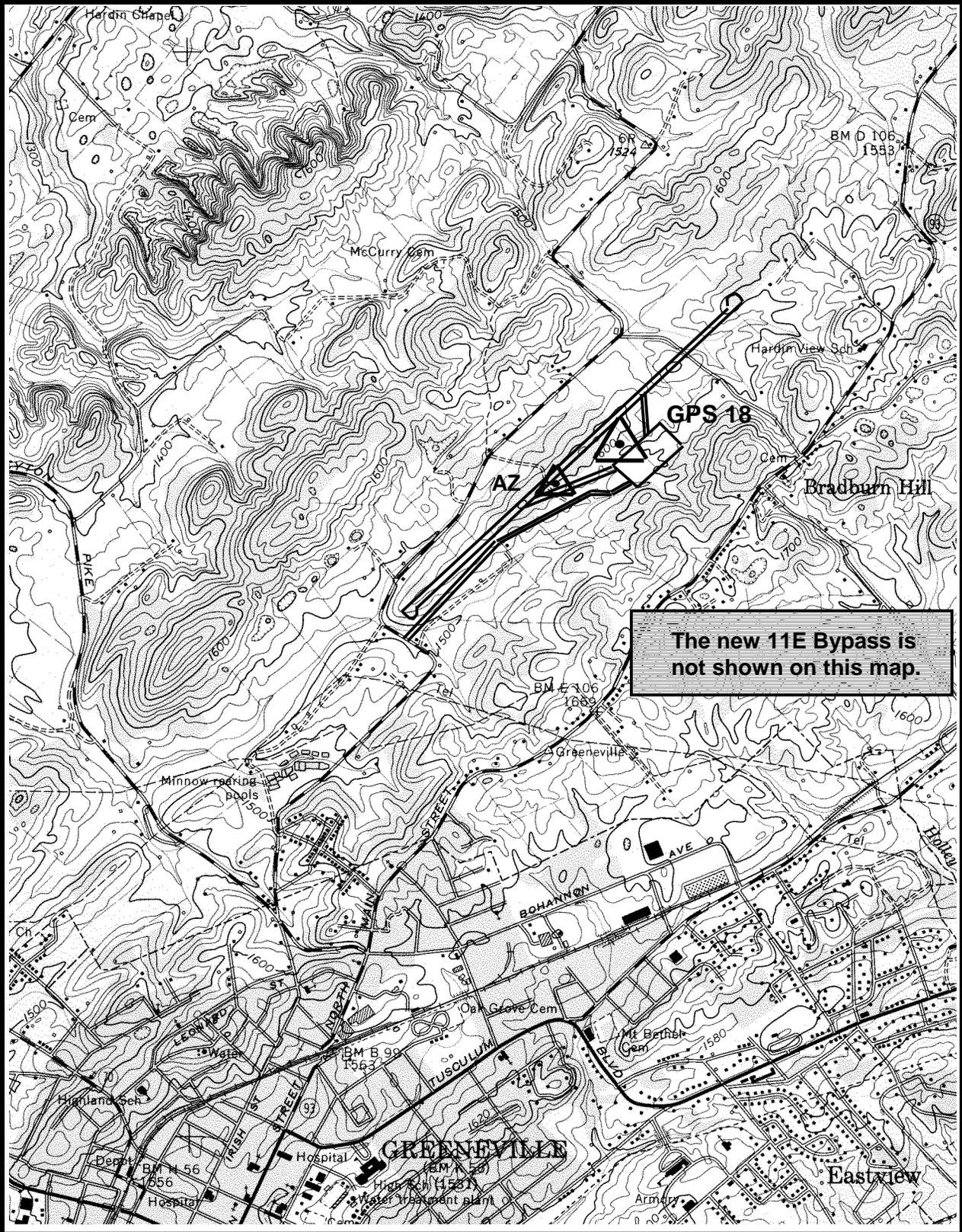
# STATION VISIBILITY DIAGRAM



ELEVATION	<u>488.499 m (1,602.68 ft)</u>	DATE	<u>July 1997</u>
LATITUDE	<u>36° 11 ft 37 inches</u>	ORGANIZATION	<u>TDOT</u>
LONGITUDE	<u>82° 48 ft 48 inches</u>	MAP SCALE	<u>7 1/2 ft USGS</u>
STATION NAME	<u>GPS 18</u>	MAP SHEET	<u>181-NE, Greeneville</u>
		OBSERVER	<u>CLJ</u>
		Observer's height	<u>6 ft</u>

NOTES:

**TENNESSEE GEODETIC REFERENCE NETWORK**



GPS 18

181-NE, GREENEVILLE

**GPS - 18 AZ MK**

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

Latitude:	<b>36° 11' 29.49606"</b>	TN Northing:	<b>210822.784 m</b>
Longitude:	<b>82° 48' 59.76878"</b>	TN Easting:	<b>886271.522 m</b>
Elevation:	<b>486.619 m* (1,596.52 ft)</b>		
Convergence:	<b>+1° 51' 49.3"</b>	Scale Factor:	<b>0.99996781</b>
Monument Set by:	<b>NGS</b>	Date:	<b>1987</b>
County:	<b>Greene</b>	Nearest Town:	<b>Greeneville</b>
USGS QUAD:	<b>Greeneville</b>	TVA Designation:	<b>181-NE</b>

Description:

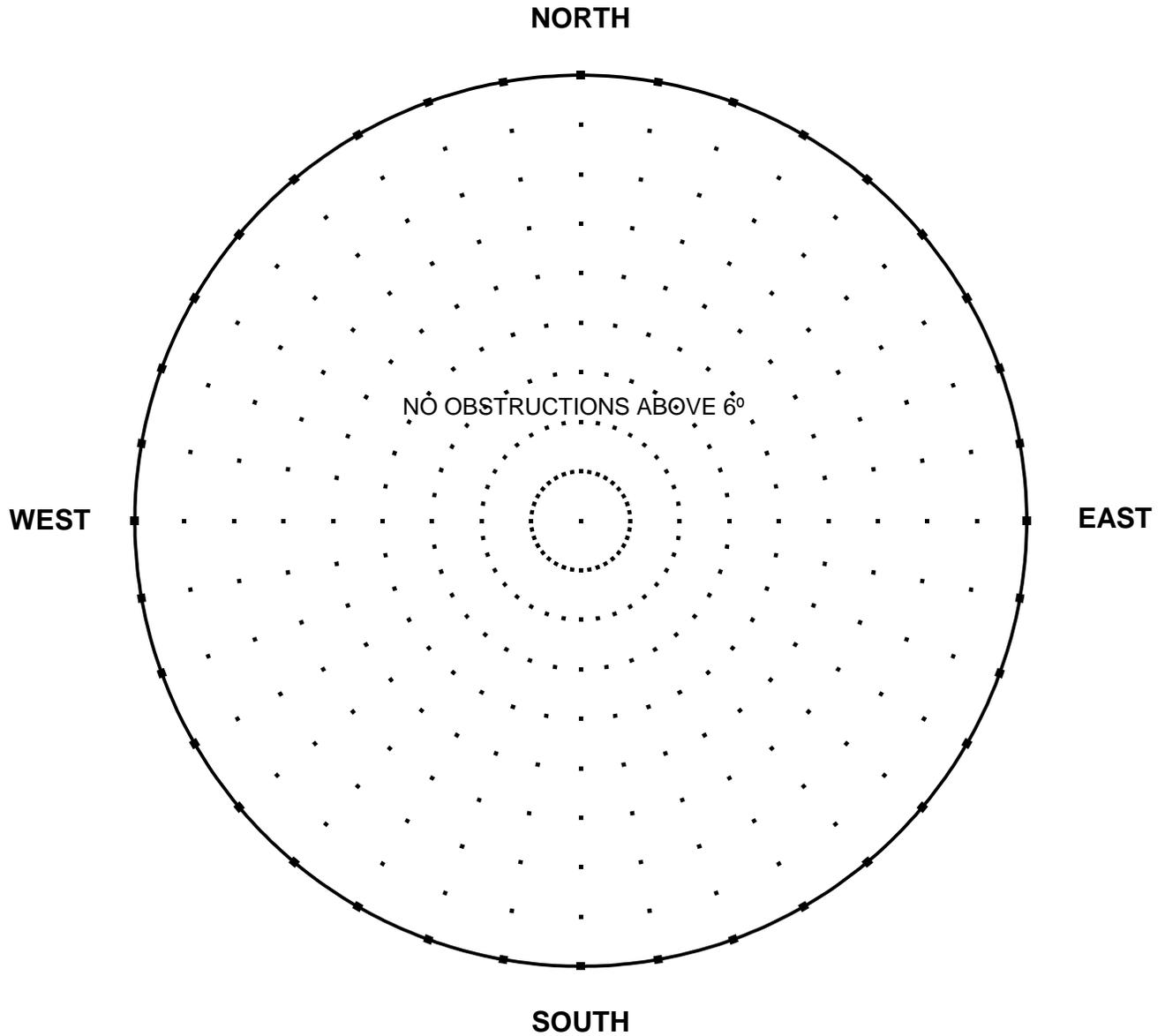
The azimuth mark is located about 2.4 km (1.5 mi.) north of Greeneville, at the Greeneville Municipal Airport. Ownership-- Airport Authority, telephone (615) 639-6275.

The azimuth mark is located on the Greeneville Municipal Airport, about 0.4 km (0.25 mi.) southwest from the airport office, between the taxiway and runway where they form a triangle.

The azimuth mark is a 3-D mark with stainless steel rod driven 1.52 m (5 ft.). The logo cap is stamped---GPS 18 AZ MK 1987---, and a steel rebar is set in the concrete. Located 9.15 m (30 ft.) southeast of the southeast edge of the runway, 6.25 m (20.5 ft.) northwest of the northwest edge of the taxiway, 3.84 m (12.6 ft.) east of a black taxi sign box, 6.07 m (19.9 ft.) northeast of a small concrete duct cover with the word "duct" engraved, and 0.6 m (2.0 ft.) southwest from a fiberglass witness post. The mark is 0.4 km (0.25 mi.) southwest of GPS 18 1987.

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

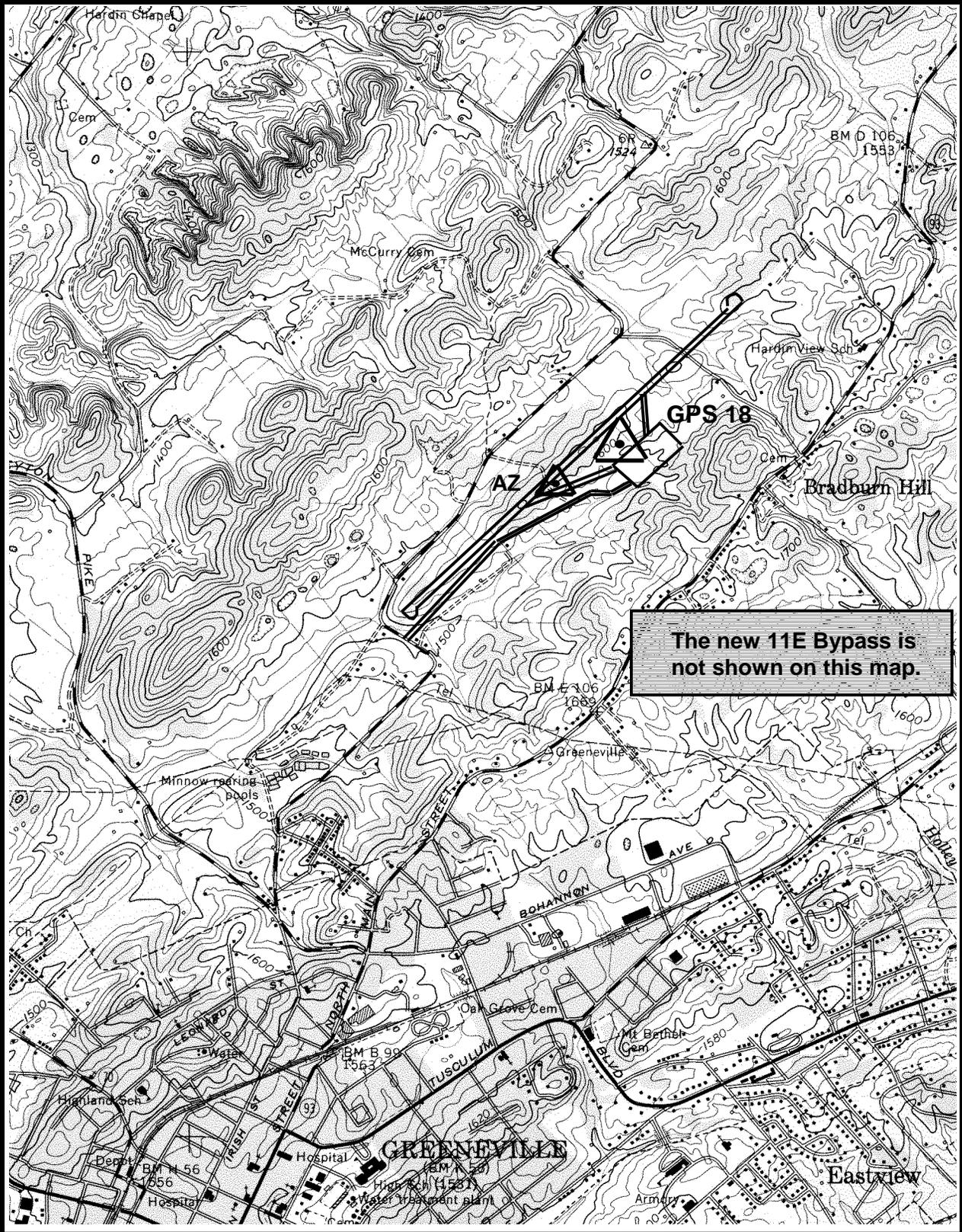
# STATION VISIBILITY DIAGRAM



ELEVATION	<u>486.619 m (1,596.52 ft)</u>	DATE	<u>July 1997</u>
LATITUDE	<u>36° 11' 29"</u>	ORGANIZATION	<u>TDOT</u>
LONGITUDE	<u>82° 48' 60"</u>	MAP SCALE	<u>7 1/2' USGS</u>
STATION NAME	<u>GPS 18 AZ MK</u>	MAP SHEET	<u>181-NE, Greeneville</u>
		OBSERVER	<u>CLJ</u>
		Observer's height	<u>6'</u>

NOTES:

**TENNESSEE GEODETIC REFERENCE NETWORK**



GPS 18

181-NE, GREENEVILLE