

**GPS - 25**

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

Latitude:	<b>36° 0 ft 13.92199 inches</b>	TN Northing:	<b>185344.838 m</b>
Longitude:	<b>85° 58 ft 26.32378 inches</b>	TN Easting:	<b>602345.939 m</b>
Elevation:	<b>185.733 m (609.36 ft)</b>		
Convergence:	<b>+0° 0 ft 54.8 inches</b>	Scale Factor:	<b>0.99995278</b>
Monument Set by:	<b>NGS</b>	Date:	<b>1987</b>
County:	<b>Dekalb</b>	Nearest Town:	<b>Liberty</b>
USGS QUAD:	<b>Liberty</b>	TVA Designation:	<b>322-SW</b>

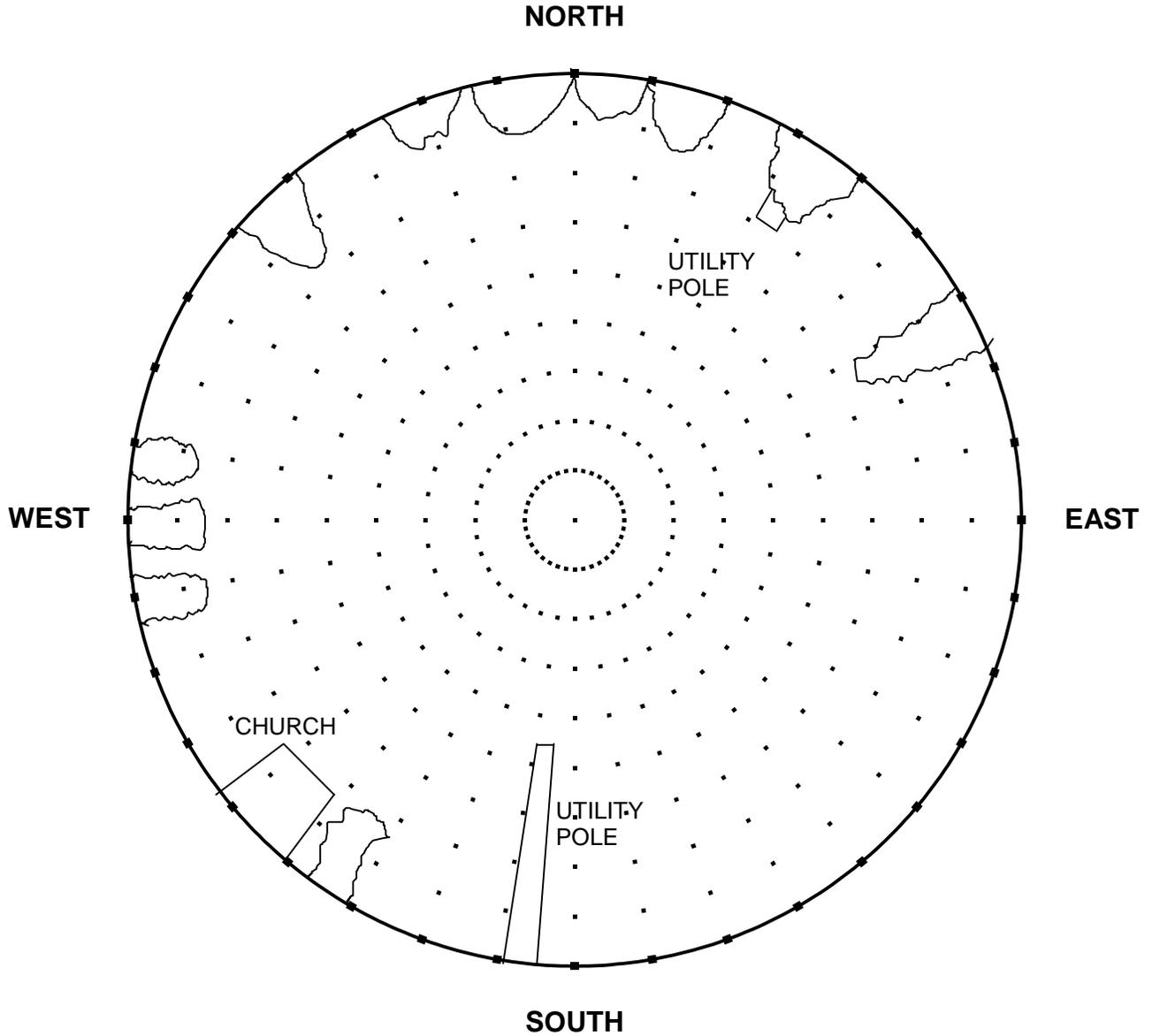
Description:

The station is located about 45 km (28 mi.) west-southwest of Cookeville, 35 km (22 mi.) southeast of Lebanon, in Liberty at the Salem Baptist Church in a bedrock outcrop. Ownership--Salem Baptist Church.

To reach the station from the junction of State Route 53 and U.S. Highway 70 at the west edge of Liberty go south for 0.08 km (0.05 mi.) on State Route 53 to the intersection of Main Street. Turn left and go east for 0.56 km (0.35 mi.) on Main Street to the church on the right and the station.

The station is a standard NGS disk stamped---GPS 25 1987---, set into a drill hole in bedrock outcrop measuring 1.2 m (4 ft.) by 0.3 m (1 ft.) flush with ground. Located 46.48 m (152.5 ft.) northeast from the east corner of the church, 30.8 m (101 ft.) south from a fire hydrant, 25.6 m (84 ft.) south from the center of Main Street, 25.0 m (82 ft.) southwest from the northwest corner of the cemetery wall, 5.2 m (17 ft.) northwest from the McKnight tombstone, 3.50 m (11.5 ft.) northwest from the stone wall at the west edge of the cemetery, 1.68 m (5.5 ft.) northwest from the northwest edge of a sidewalk, 3.4 m (11 ft.) northwest from a fiberglass witness post at the cemetery wall.

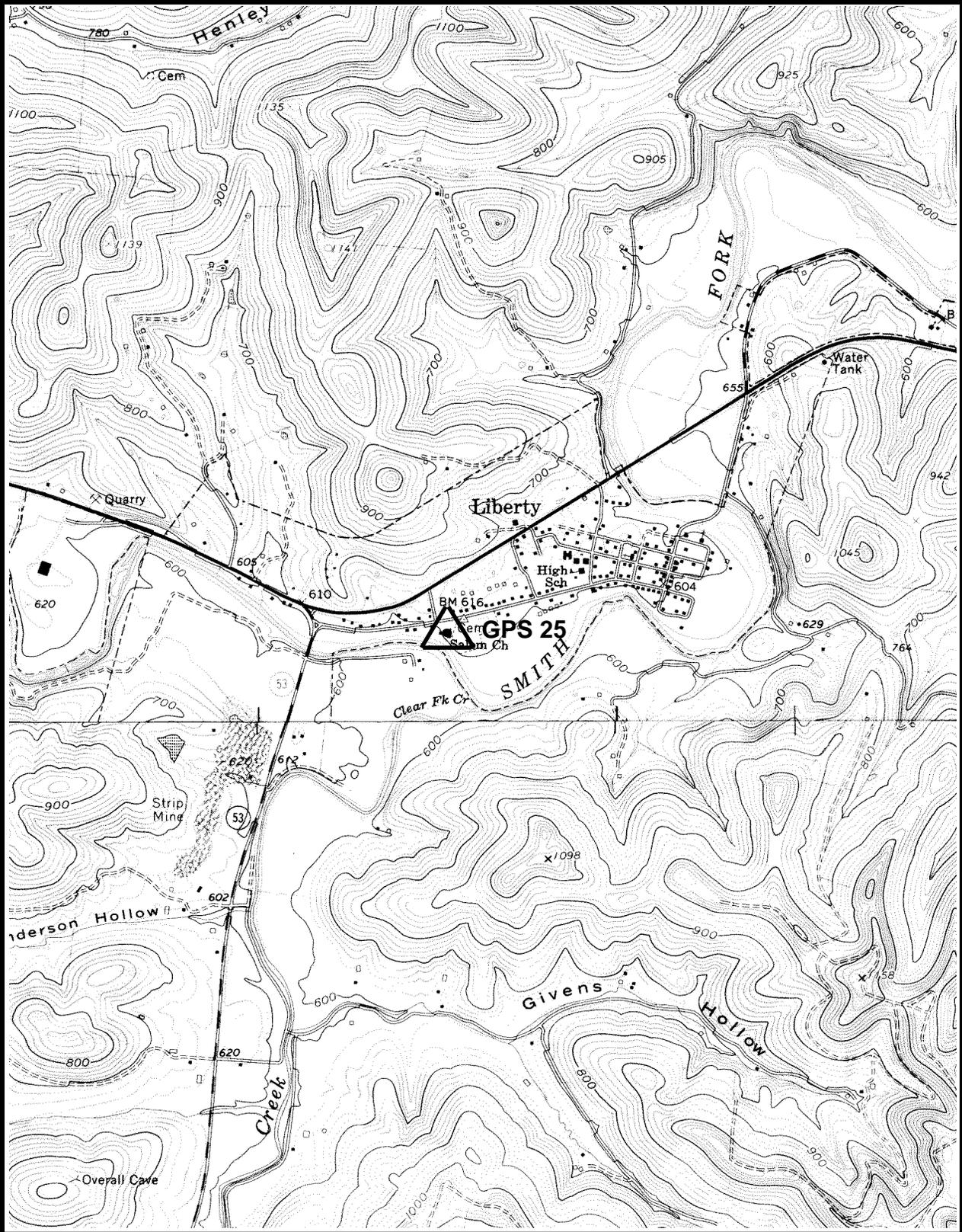
# STATION VISIBILITY DIAGRAM



ELEVATION	<u>185.733 m (609.36 ft)</u>	DATE	<u>July 1997</u>
LATITUDE	<u>36° 0 ft 14 inches</u>	ORGANIZATION	<u>TDOT</u>
LONGITUDE	<u>85° 58 ft 26 inches</u>	MAP SCALE	<u>7 1/2 ft USGS</u>
STATION NAME	<u>GPS 25</u>	MAP SHEET	<u>322-SW, Liberty</u>
		OBSERVER	<u>CLJ</u>
		Observer's height	<u>6 ft</u>

NOTES:

**TENNESSEE GEODETIC REFERENCE NETWORK**



**GPS 25**

**322-SW, LIBERTY**