

GPS - 48

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

Latitude:	35° 13 ft 30.67645 inches	TN Northing:	99887.197 m
Longitude:	84° 34 ft 54.50769 inches	TN Easting:	729104.556 m

Elevation: **243.645 m (799.36 ft)**

Convergence:	+0° 49 ft 49.0 inches	Scale Factor:	1.00000447
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Monument Set by:	NGS	Date:	1987
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County:	Polk	Nearest Town:	Benton
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USGS QUAD:	Oswald Dome	TVA Designation:	126-NE
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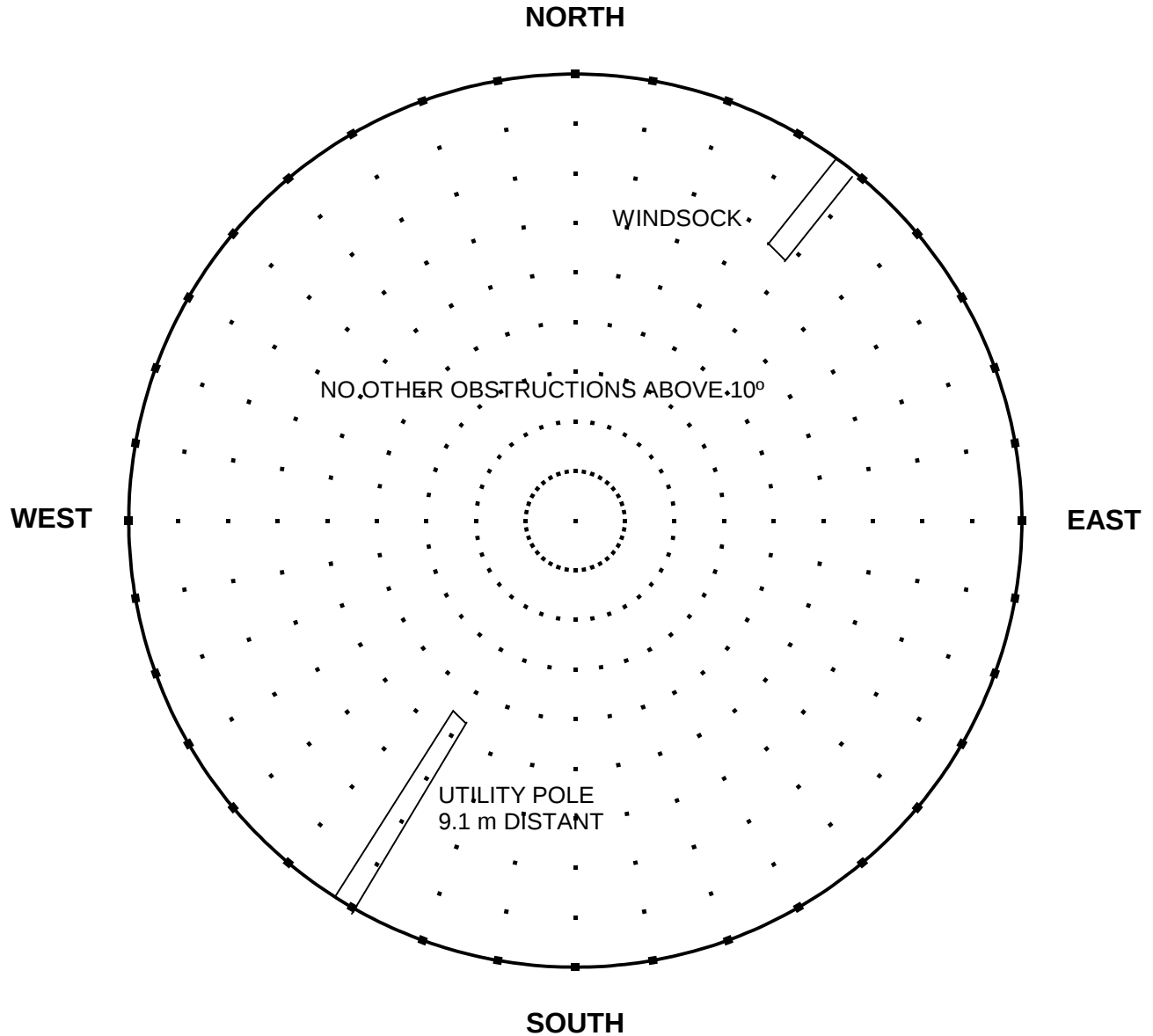
Description:

The station is located about 29.0 km (18 mi.) east-northeast of Cleveland, 8.1 km (5 mi.) northeast of Benton, at the northwest edge of U.S. Highway 411, northeast of the Chilhowee Gliderport, at a jog in the right-of-way fence. Ownership--State Right-of-Way.

To reach the station from the Courthouse in Benton go north for 8.05 km (5.0 mi.) on U.S. Highway 411 to the Chilhowee Gliderport entrance. Continue straight ahead and go north for 0.56 km (0.35 mi.) on U.S. Highway 411 to the station on the left, 1.45 km (0.9 mi.) southwest of the junction of U.S. Highway 411 and State Route 30.

The station is a 3-D mark with stainless steel rod driven 4.9 m (16 ft.). The logo cap is stamped---GPS 48 1987---, and a railroad spike is set in the concrete. Located 13.26 m (43.5 ft.) northwest from the center of U.S. Highway 411, 15.09 m (49.5 ft.) southwest from a telephone junction box, 11.0 m (36 ft.) south from a windsock on a utility pole 9.30 m (30.5 ft.) northeast from a utility pole at a jog in the fence, 0.9 m (3.0 ft.) southeast from a fiberglass witness post set in the right-of-way fence.

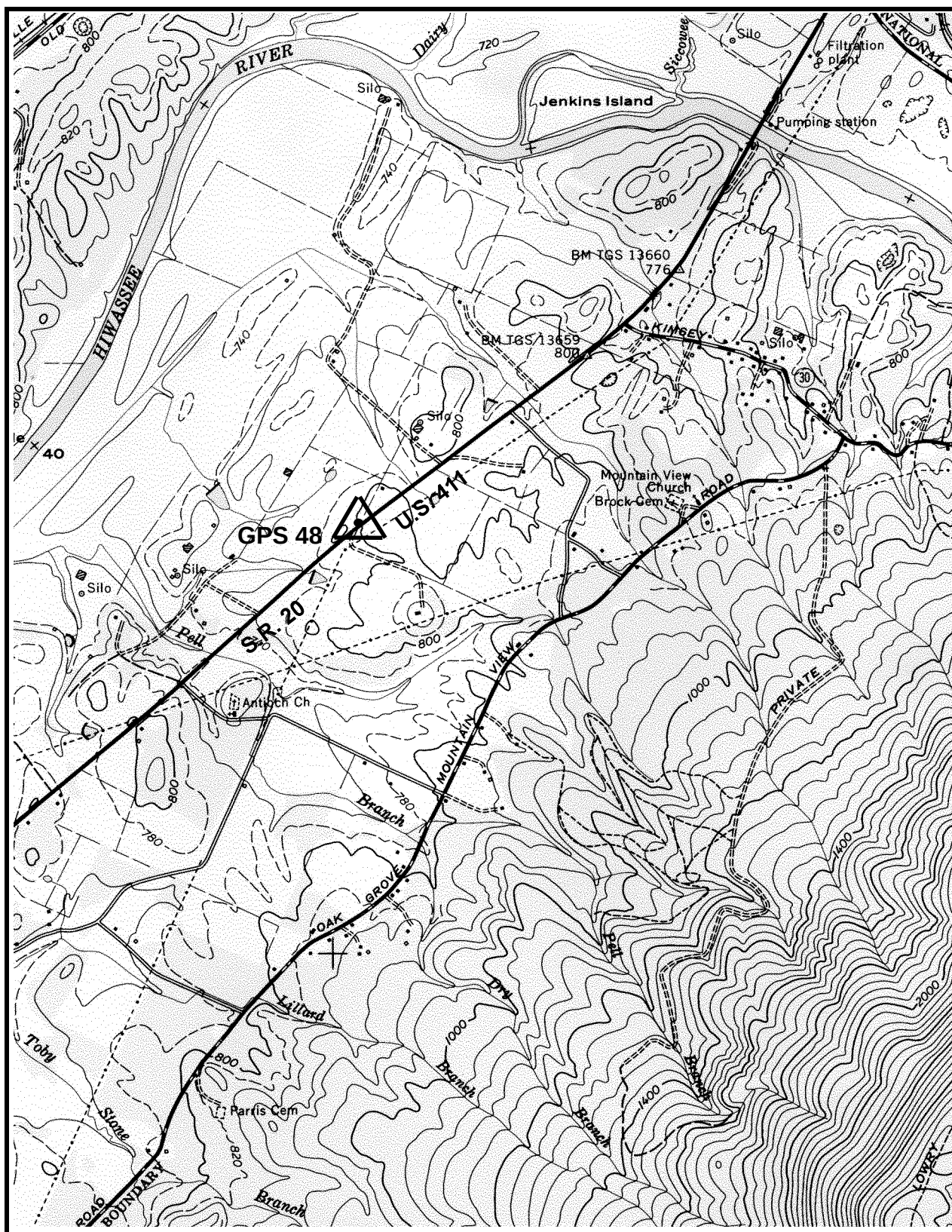
STATION VISIBILITY DIAGRAM



ELEVATION	<u>243.645 m (799.36 ft)</u>	DATE	<u>July 1997</u>
LATITUDE	<u>35° 13 ft 31 inches</u>	ORGANIZATION	<u>TDOT</u>
LONGITUDE	<u>84° 34 ft 55 inches</u>	MAP SCALE	<u>7 ½ ft USGS</u>
STATION NAME	<u>GPS 48</u>	MAP SHEET	<u>126-NE, Oswald Dome</u>
		OBSERVER	<u>CLJ</u>
		Observer's height	<u>6 ft</u>

NOTES:

TENNESSEE GEODETIC REFERENCE NETWORK



GPS 48

126-NE, OSWALD DOME