

GPS - 47

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

Latitude:	35° 35 ft 23.72751 inches	TN Northing:	145369.229 m
Longitude:	89° 35 ft 7.90381 inches	TN Easting:	275136.637 m
Elevation:	82.256 m (269.87 ft)		
Convergence:	-2° 5 ft 56.8 inches	Scale Factor:	0.99995743
Monument Set by:	NGS	Date:	1987
County:	Tipton	Nearest Town:	Covington
USGS QUAD:	Gift	TVA Designation:	414-SE

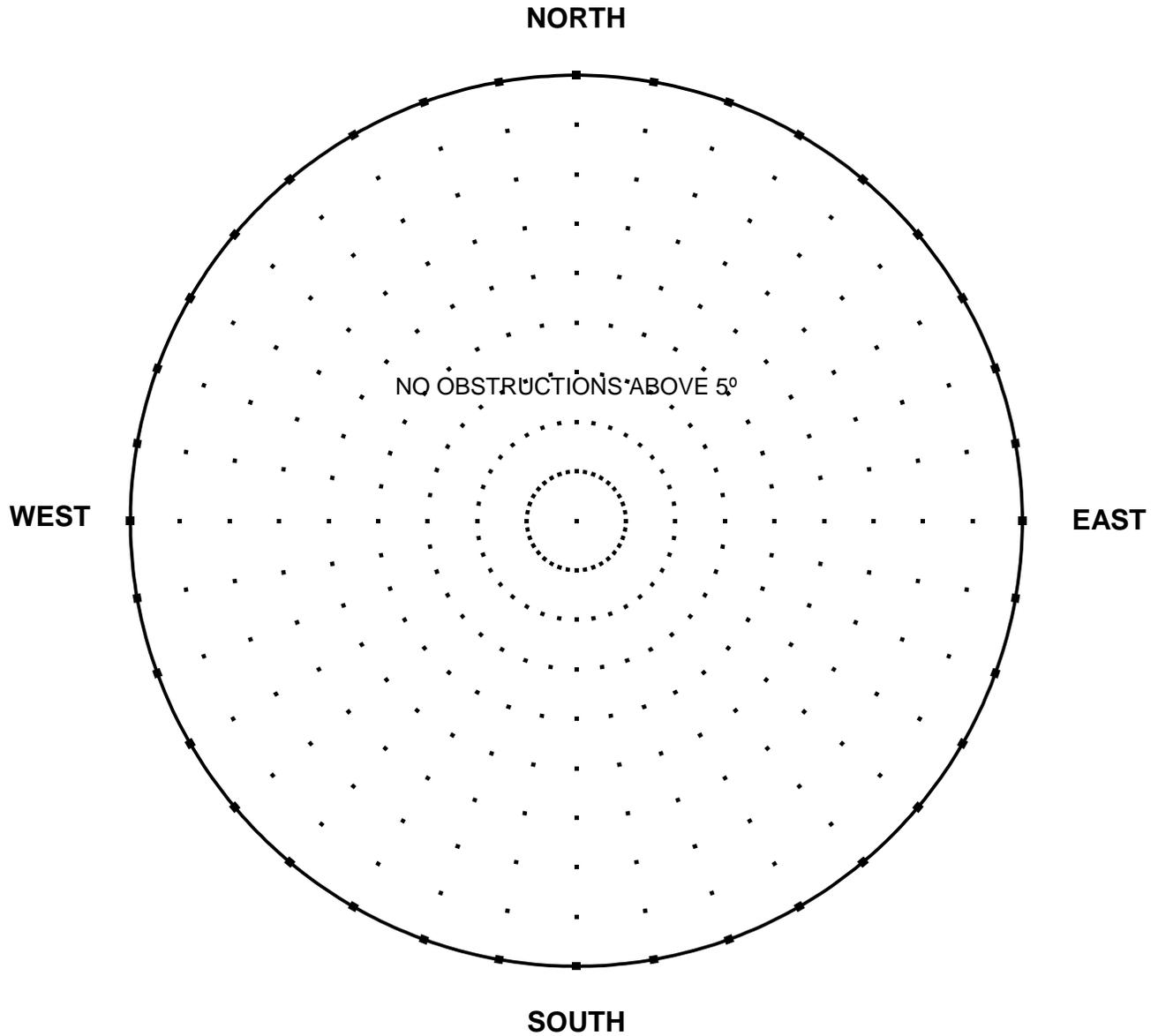
Description:

The station is located about 4.8 km (3 mi.) northeast of Covington, on the Covington Municipal Airport 106.7 m (350 ft.) west of the airport office and at the north end of the runway. Ownership--Airport Manager is Dave Peeler or Wilson Faught, telephone (901) 476-1392. The airport is not locked after dark, however use after working hours should be cleared with the Airport Manager. Access to the field is north of the brick office building between the office and a metal hangar.

To reach the station from the courthouse in Covington go east on State Route 59 (Liberty St.) 0.24 km (0.15 mi.) to the junction of U.S. Highway 51 and State Route 59. Turn right and go north for 1.78 km (1.1 mi.) on U.S. Highway 51 to the junction of State Route 384. Continue straight ahead and go north for 2.25 km (1.4 mi.) on U.S. Highway 51 to the junction of County Road 8391 (Antioch Road). Turn right and go east for 4.51 km (2.8 mi.) on County Road 8391 to the airport. Turn right and go south for 0.16 km (0.1 mi.) on the airport property to the airport office, a one story brick building and the station.

The station is a 3-D mark with stainless steel rod driven 18.0 m (59 ft.). The logo cap is stamped---GPS 47 1987---, and a steel spike is embedded in the concrete. Located 37.2 m (122 ft.) east from the runway center and 0.6 m (2 ft.) below same, 23.5 m (77 ft.) west from the taxiway center, 13.7 m (45 ft.) south from the center of the taxiway crossover, 29.3 m (96 ft.) south from a strobe, 2.2 m (7 ft.) northwest of the center of a culvert headwall, 1.6 m (5.2 ft.) northwest from a fiberglass witness post set at the west end of a culvert headwall.

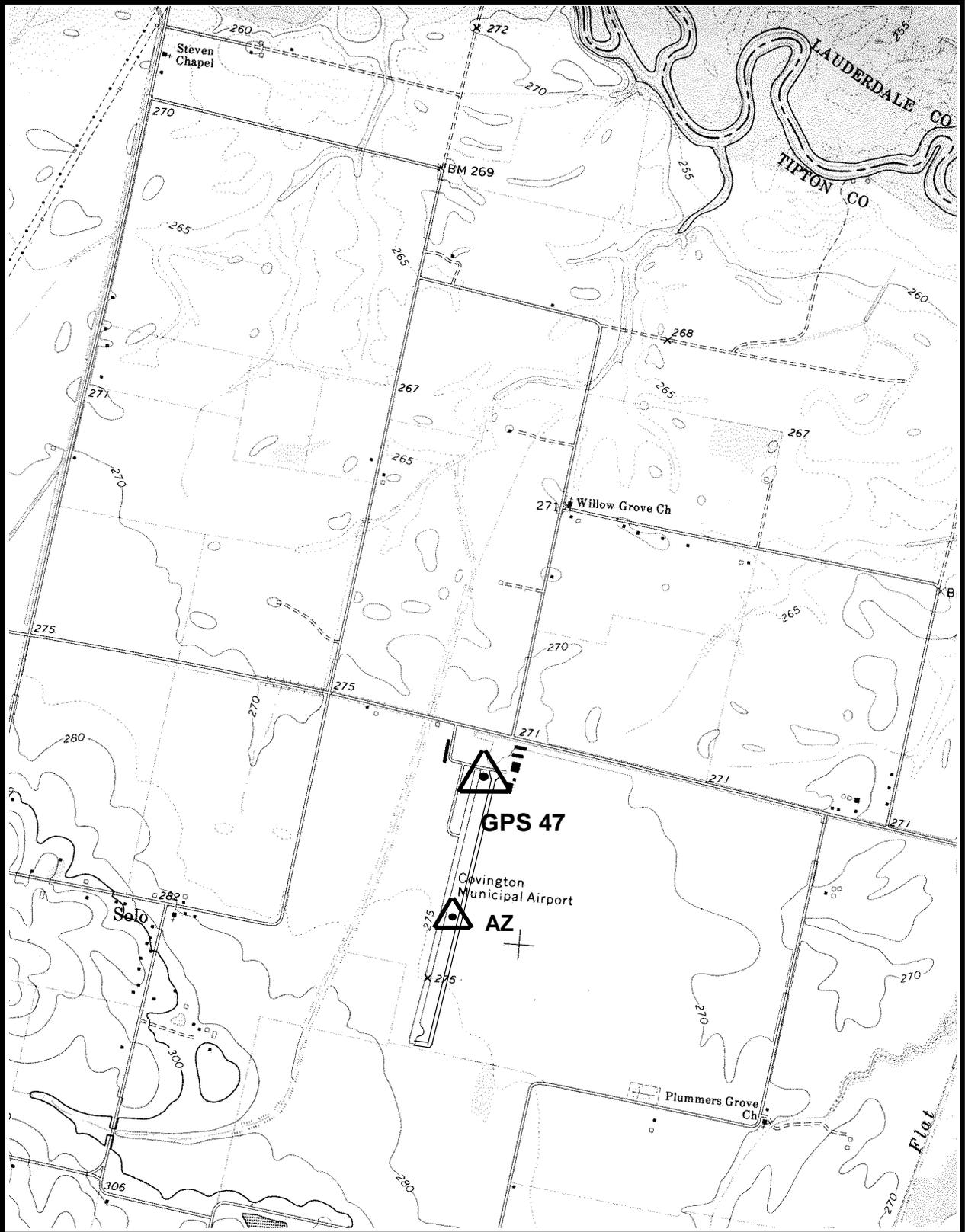
STATION VISIBILITY DIAGRAM



ELEVATION	<u>82.256 m (269.87 ft)</u>	DATE	<u>July 1997</u>
LATITUDE	<u>35° 35 ft 24 inches</u>	ORGANIZATION	<u>TDOT</u>
LONGITUDE	<u>89° 35 ft 8 inches</u>	MAP SCALE	<u>7 1/2 ft USGS</u>
STATION NAME	<u>GPS 47</u>	MAP SHEET	<u>414-SE, Gift</u>
		OBSERVER	<u>CLJ</u>
		Observer's height	<u>6 ft</u>

NOTES:

TENNESSEE GEODETIC REFERENCE NETWORK



GPS 47

414-SE, GIFT

GPS - 47 AZ MK

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

Latitude:	35° 35 ft 06.07289 inches	TN Northing:	144828.971 m
Longitude:	89° 35 ft 11.66285 inches	TN Easting:	275022.138 m
Elevation:	82.618 m* (271.06 ft)		
Convergence:	-2° 5 ft 59.0 inches	Scale Factor:	0.99995780
Monument Set by:	NGS	Date:	1987
County:	Tipton	Nearest Town:	Covington
USGS QUAD:	Gift	TVA Designation:	414-SE

Description:

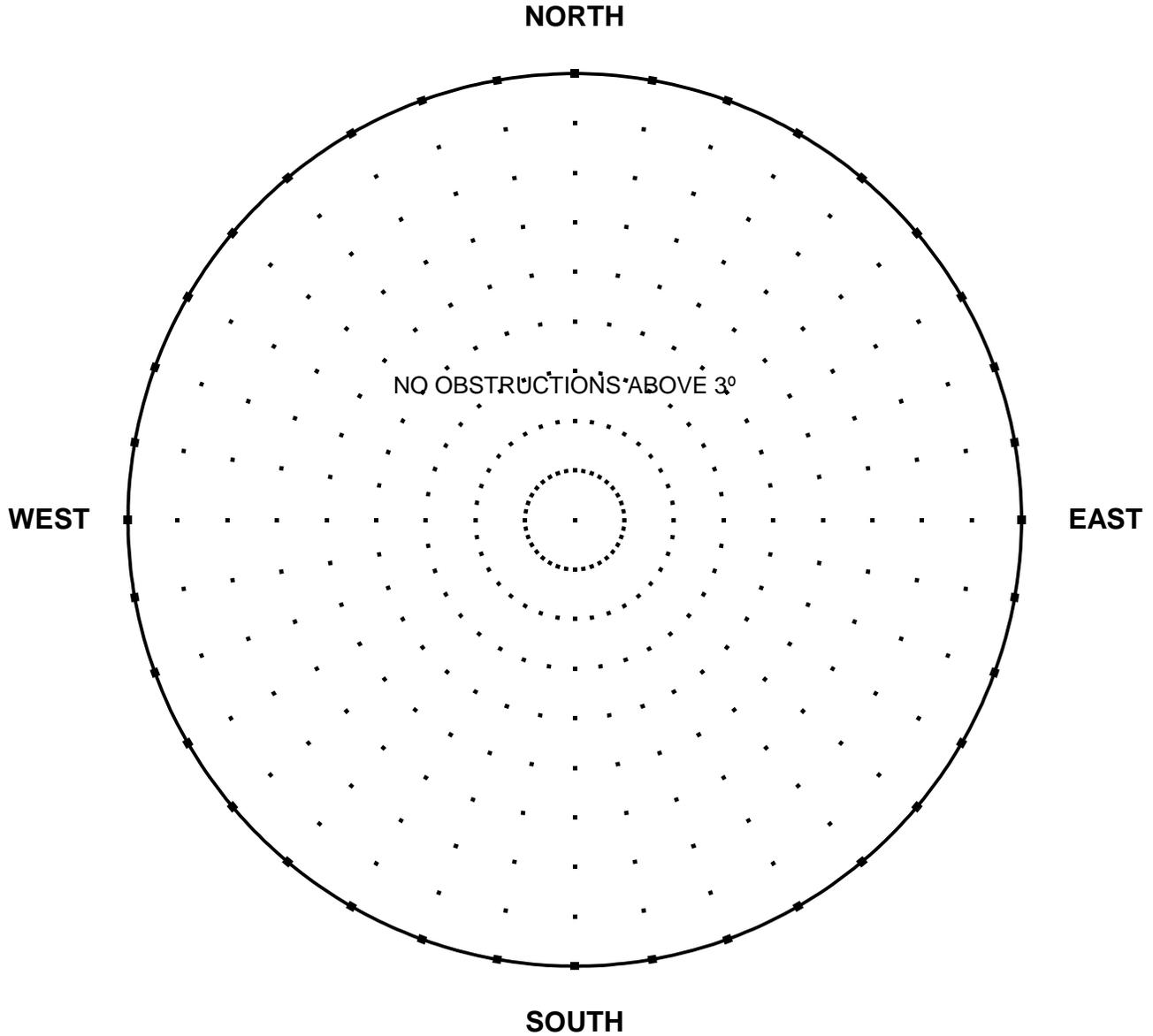
The station is located about 4.8 km (3 mi.) northeast of Covington, on the Covington Municipal Airport 106.7 m (350 ft.) west of the airport office and at the north end of the runway. Ownership-- Airport Manager is Dave Peeler or Wilson Faught, telephone (901) 476-1392. The airport is not locked after dark, however use after working hours should be cleared with the Airport Manager. Access to the field is north of the brick office building between the office and a metal hangar.

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The azimuth mark is a 3-D mark with stainless steel rod driven 13.1 m (43 ft.). The logo cap is stamped---GPS 47 AZ MK 1987---, with a steel spike embedded in the concrete, and 0.05 m (0.17 ft.) below ground. Located 18.1 m (59 ft.) east of the east edge of the runway, 26.1 m (85.7 ft.) west of the west edge of the taxiway, 15.8 m (52 ft.) north of the north edge of the taxiway crossover, 12.6 m (41.5 ft.) northwest of the center of a concrete culvert with a headwall, 10.5 m (34.4 ft.) east-southeast of a pipe for a taxi guidance box, and 0.3 m (1.0 ft.) south of a fiberglass witness post.

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

STATION VISIBILITY DIAGRAM



ELEVATION	<u>82.618 m (271.06 ft)</u>	DATE	<u>July 1997</u>
LATITUDE	<u>35° 35 ft 6 inches</u>	ORGANIZATION	<u>TDOT</u>
LONGITUDE	<u>89° 35 ft 11 inches</u>	MAP SCALE	<u>7 1/2 ft USGS</u>
STATION NAME	<u>GPS 47 AZ MK</u>	MAP SHEET	<u>414-SE, Gift</u>
		OBSERVER	<u>CLJ</u>
		Observer's height	<u>6 ft</u>

NOTES:

