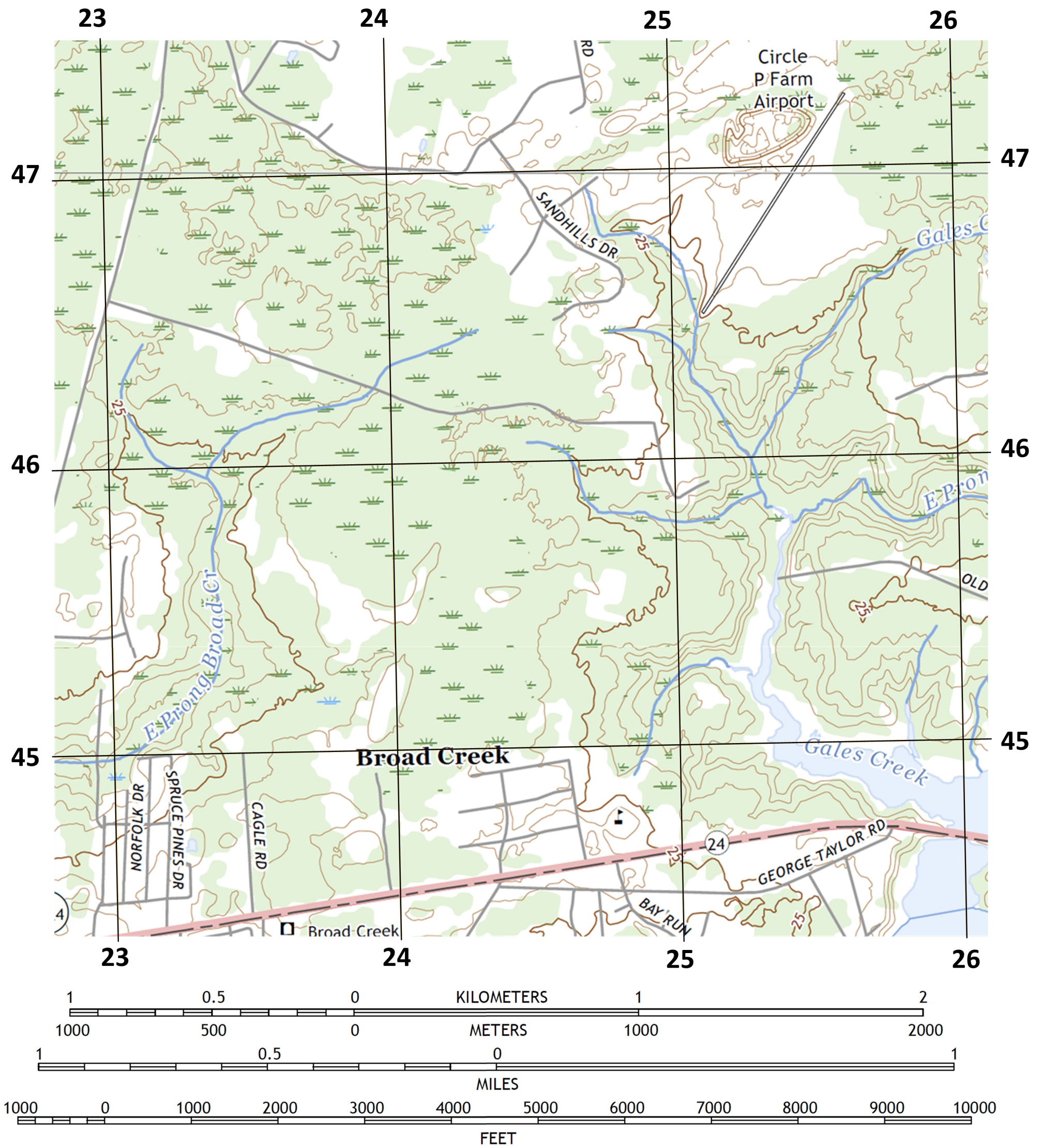


Camp Sam Hatcher Special



CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

ROAD CLASSIFICATION

Expressway		Local Connector	
Secondary Hwy		Local Road	
Ramp		4WD	

Interstate Route	US Route	State Route
FS Primary Route	FS Passenger Route	FS High Clearance Route

Check with local Forest Service unit for current travel conditions and restrictions.

U.S. National Grid

100,000 - m Square ID

UD

Grid Zone Designation

18S

MN

GN

10°2'

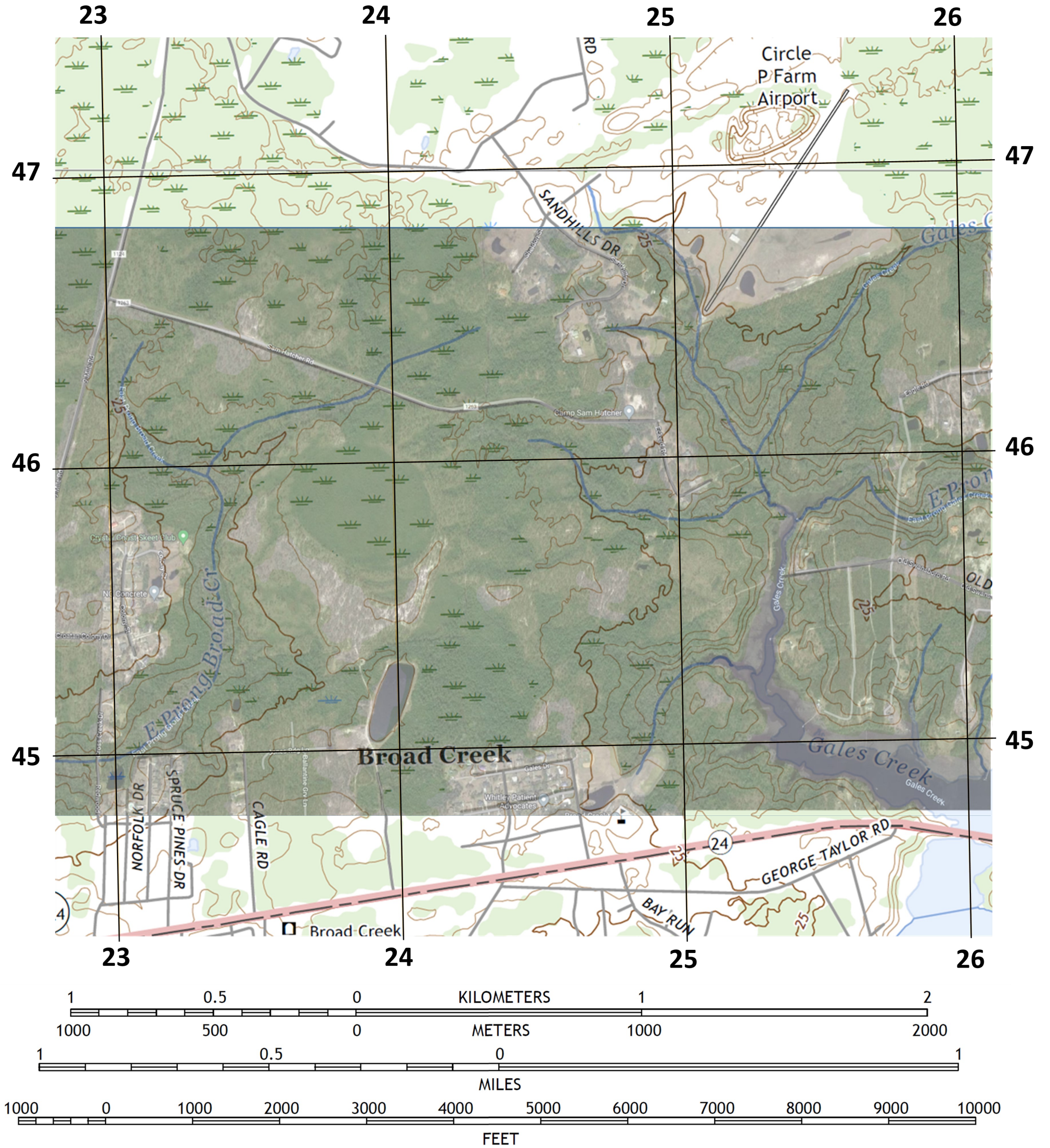
178 MILS

1°6'

20 MILS

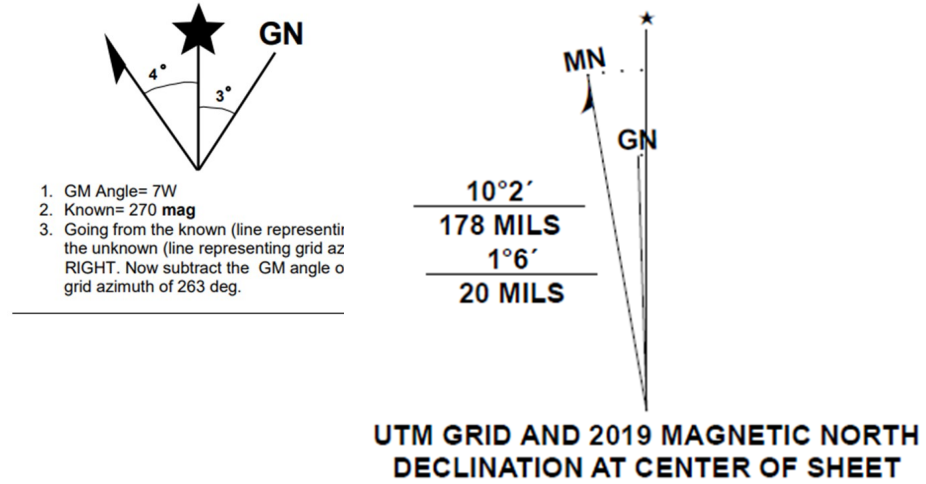
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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LARS stands for **Left Add, Right Subtract**, and is used when going from *the known azimuth* to the *unknown azimuth*, irrespective of grid or magnetic azimuth. Once one has created a declination diagram and found the GM angle, LARS users are concerned only with the direction (right or left) from the known angle (azimuth) to the unknown angle, for the cardinal direction (east or west) is no longer relevant. Once the appropriate direction is determined, the GM angle is then added or subtracted to the known azimuth.

In this example, the known azimuth is 270 magnetic. Using LARS, convert to a grid azimuth.



CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

U.S. National Grid

100,000 - m Square ID

UD

Grid Zone Designation

18S

Cut me out to use as a protractor for plotting MGRS points.

