

# LAB 9 – SURVEYING STAKE OUT AND PLAT

Grading: 50 points

## OUTCOME

**Purpose:** Learn to stakeout a 1ac tract. Draw a Plat and write a legal description.

STEP	ACTION
0	<b>Create a new Job:</b> GEOG2018 Group# Select NAD 83 Texas Central Coordinate System
1	<b>Start RTK GPS. * Start RTK Stream</b>
2	<b>Measure Mode: SURVEY</b> Set Point Name: 001
3	<b>Collect:</b> 001 on Sidewalk <b>FIXED ONLY</b>
4	<b>Collect:</b> 002 <b>Move</b> across Quad; <b>Collect:</b> 002 <b>FIXED ONLY</b>
5	<b>Inverse:</b> Between Point 001 and 002 <b>Record:</b> Distance and Bearing Below.
6	<b>Calculate:</b> Distance down sidewalk to make 1.00ac Dist = 43,560sqft/ (dist from #1 to #2) Dist = 43,560sqft/ _____ DIST = _____
7	<b>Stakeout:</b> 002 <b>Move:</b> up sidewalk DIST <b>Collect:</b> 003
8	<b>Move:</b> across Quad; <b>Stakeout:</b> 001 move to DIST; <b>Collect:</b> 004
9	<b>Inverse:</b> 1-2 2-3 3-4 4-5 <b>Add Bearing and Distance to Plat</b> <b>Compute Area of Tract</b>
10	<b>Complete and Submit Plat and Legal Description</b>



