

# Solution Sheet

## Land Management



**NEED:** The client was preparing to remodel a 60 acre tract of land at a vacation ranch in the Texas Hill Country. He needed all existing improvements (roads, buildings, structures, etc.) and trees larger than 1ft in trunk diameter located. He also wanted a model of the surface rock in a ravine captured and modeled for landscaping and a 1ft contour of the entire 60 acre tract.

**SOLUTION:** GDM created a control network with GPS and scanned the entire 60 acres at a resolution of 1/10 ft x 1/10 ft. The ravine area was scanned at 1 inch x 1 inch and all of the point clouds were geo-referenced to our GPS network. Data was delivered as a point cloud, 2D linework in AutoCAD, and in ArcGIS for multiple vendors participating in the project.

**SPECIFICATIONS:** Scanworlds- 83  
Control- 124 Points  
Fieldtime- 28 Days  
Client- Private Landowner



Landscape Architecture (South Texas Ranch)