

Meyers – Diver’s Airport Tecumseh, Michigan

Spalding DeDecker Associates, Inc. (SDA) performed this aeronautical survey for C&S Engineers; it involved a grant administered through the Michigan Department of Transportation (MDOT) Aeronautics Group. The project included creating a base map of the airport facilities, and performing an obstruction analysis of the approach surfaces defined by Part 77 of the Federal Air Regulations (FAR). Both the base mappings and the location of possible obstructions were performed using photogrammetric mapping methods. SDA performed the photogrammetric ground control and computations for the approach surfaces, and was responsible for the overall delivery of the survey.

OWNER / CLIENT

C & S Engineers, Inc.

PROJECT START - END

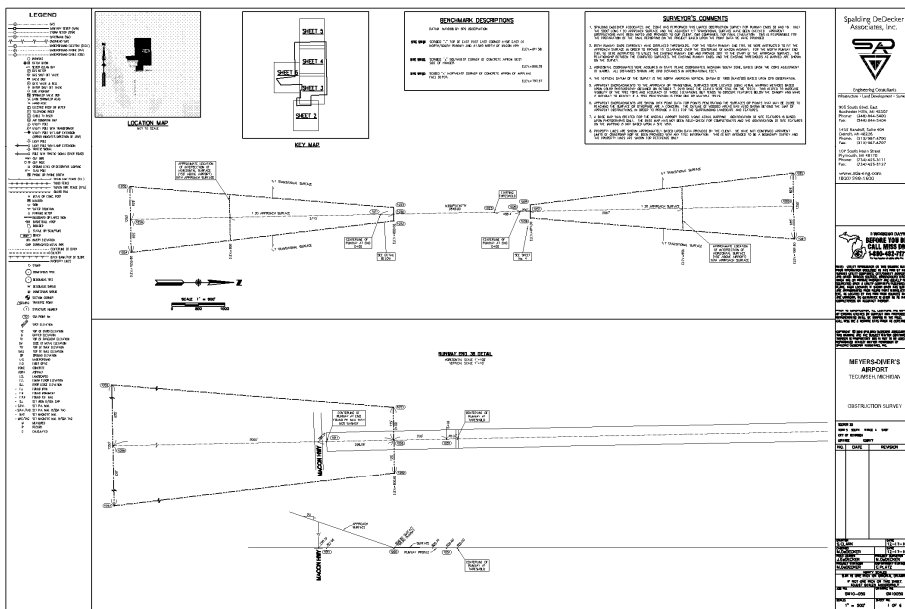
November 2010 – December 2010

SDA PROJECT NO.

SM110-059

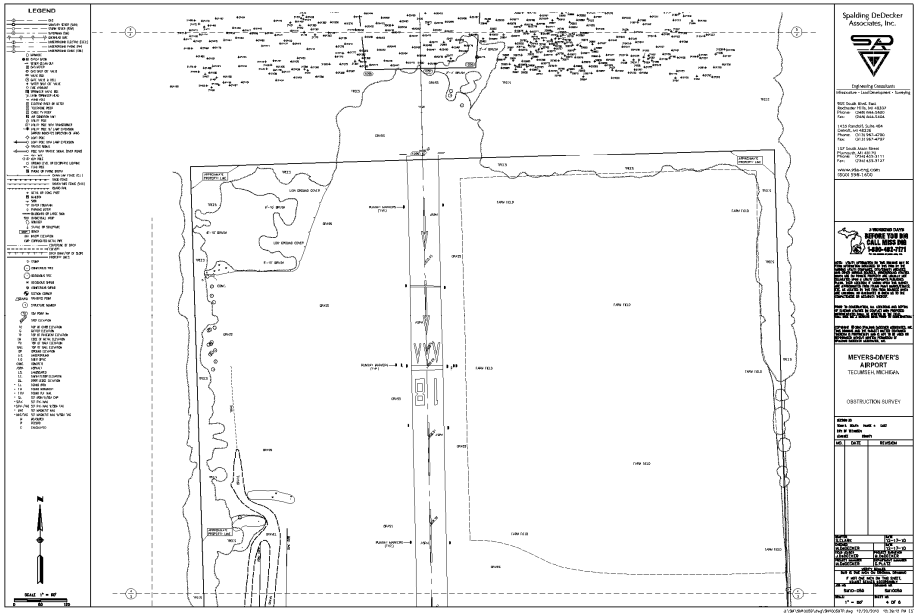
SDA SERVICES

Photogrammetric Control Surveys



The project included performing a **photogrammetric control survey**. The base map was created using **photogrammetry** and supplemented with conventional observations for obscured areas. The scope also included establishing intermediate control. GPS RTK observations were performed for the photo-control points and intermediate control. The work was performed using **state plane coordinates**, Michigan South Zone (2113), and international feet based upon the CORS adjustment of **NAD83**. The vertical datum was **NAVD'88**, based upon a GPS-derived datum.

We were provided with photos showing the proposed location of aerial targets based upon existing visible features. Sketches were prepared for points where alternate targets were required.



We provided ASCII files and sketches to the photogrammetrist for the photo-control. Upon receiving the base map and obstruction points from the aerial mapping, we computed the approach surfaces, field-checked and supplemented the mapping, creating the sheets, and finalized the drawings. SDA's final deliverable to our client included hard-copies of the survey sheets, an AutoCAD file, and an ASCII text file for the apparent obstructions and other data points collected. Calculations, reports, adjustments, and other output have been retained in our records for future reference if required.