

Project Profile



Base-Wide Enterprise GIS Implementation

Client: US Army, Ft. Leonard Wood DPW, – Ft. Leonard Wood, Missouri

GEC was contracted to conduct an 2- year project to implement a base-wide GIS for Ft. Leonard Wood. Tasks include a base-wide aerial photography flight to produce contours suitable for a FEMA floodplain analysis and for locating additional GIS features; roads and electrical systems identification and mapping, incorporation of all existing data including scans of hard copy CADD drawings, electronic CADD files, various GIS layers and shapefiles, and older photography; ground verification using GPS of existing data; and finally collection of all missing or incomplete data sets using GPS and the new aerial photography. All data was formatted in an SDSFIE-compliant geodatabase with over 400 feature classes. All feature classes must meet the National Map Accuracy Standards and will have associated FGDC-compliant metadata.

- Existing data converted from hard copy and CADD files to GIS
- 6-inch pixel Aerial Photography
- Contour maps
- Updated GIS data
- Final SDE Geodatabase



General topography of Fort Leonard Wood.



Example of SDSFIE compliant building footprint with floor plans in GIS. Data imported from CAD files for every structure on base.