

# NAFB F-35 Flight Simulator Facility

Client – Jacobs

Owner – Nellis Air Force Base



The project includes the construction of a flight simulator facility for the F-35 aircraft. The facility will be constructed within the Nellis Air Force Base in three phases. The building will be a single-story structure supported on shallow spread footings with a slab-on-grade floor. The site is currently vacant, and previously contained base housing units that have since been demolished. Our services will be provided in accordance with the Corps of Engineers Statement of Work, dated February 25, 2010. The exploration locations were selected and staked out during a site meeting with the client on April 6, 2010.

Prior to drilling, GES will submit a health and safety plan and obtain an AFB excavation permit. GES will drill 8 exploratory borings at the site, 5 to 25 feet each and 3 to 10 feet each, beneath the existing ground surface. Standard Penetration Tests (SPTs) samples will be obtained continuously between 0 and 11 feet below the existing ground surface. One 4-inch diameter Shelby tube sample will be pushed to obtain an undisturbed sample. Bulk samples will be obtained from the auger cuttings. The boreholes will be abandoned by backfilling with PCC or bentonite grout to within five feet of the existing ground surface and with soil cuttings thereafter. Laboratory testing will be performed on the samples to evaluate their physical and engineering properties. Based on results of the field exploration and laboratory testing, GES will present geotechnical design recommendations, based on the 2006 International Building Code, in a Geotechnical Evaluation report per the Corps of Engineers Statement of Work.