

McCarran T-1 Central Utility Plant Reconfiguration

Client – Stanley Consultants, Inc.

Owner – Clark County



The project involves the reconfiguration of the switch gear at the Terminal 1 Central Utility Plant at McCarran International Airport. The reconfiguration will include the relocation of switch gear at the south side of the facility and expanding and repaving the parking lot. The switch gear is anticipated to be located on a slab-on-grade with continuous and/or isolated footings. Structural loads are anticipated to be up to approximately 2,500 pounds per square foot.

GES with sister company Eagle Drilling Services, LLC, will drill 4 borings at the site to depths of approximately 10 to 15 feet below the existing ground surface. Prior to drilling, air-knifing will be performed to depths of approximately 5 feet to locate shallow utilities at the boring locations. After air-knifing, hollow stem auger will be advanced into the subsurface soils and relatively undisturbed ring samples will be obtained with a California Sampler. Bulk samples of the near surface soils will be obtained. Laboratory testing will be performed on the samples to evaluate certain engineering properties of the soils. Based on the soils logged during drilling and the laboratory results, a geotechnical evaluation report will be prepared presenting relevant geologic background information, structural fill criteria, bearing capacity, estimated settlements under loads, and pavement section recommendations.