

Building Inspection Services Addition/Conduct Investments

City of Las Vegas Public Works

The project consists of a single-story 4,000 square foot addition to the existing Building Inspection Services (BIS) building, including a new secured asphalt-paved parking lot with 108 stalls within the West Services Center on Sauer Drive, between Buffalo Drive and Ronemus Drive, in Las Vegas, Nevada. The construction of the addition consists of wood-frame construction with stucco exterior and tile roof. The addition is structurally tied to the existing building, and has a slab-on-grade floor, conventional spread footings and no basement. The structural load will not exceed 10 kips for isolated column footings and 3 kips per lineal foot for continuous wall footings. The finished floor elevation of the addition will be at the existing slab grade, within 1 foot of the site grade. The asphalt pavements for the secured parking area, is designed for employee automobiles, with no heavy truck traffic.

Our scope of services consisted of GES preparing two geotechnical investigation reports for the addition and secured parking, requiring both a geotechnical data report, and a geotechnical recommendations report. The field exploration program consisted of performing three borings, two to 20 feet each, and one to 10 feet, within the footprint of the proposed addition, and three borings to 10 feet each in the secured parking area. GES laid out the boring locations and initiated the clearance of

