



Malley Senior Center

Englewood, Colorado

GROUND Engineering Consultants provided geotechnical engineering for design of the Malley Senior Center in Englewood, Colorado. The project consisted of a new 10,000 square-foot building addition to the existing facility. The building addition facilitates new fitness rooms, locker rooms, meeting rooms, gymnasium, related offices, and equipment rooms.

The site development involved construction immediately adjacent to a large retaining wall as well as the existing structure. A spread footing foundation system and slab-on-grade construction was recommended, due to the non-expansive nature of the on-site soils. The utilization of the EZflow™ perimeter underdrain system was also recommended and subsequently installed. This system incorporates pre-assembled perforated PVC surrounded by foam aggregate instead of the conventional gravel, filter fabric layers, etc.

GROUND provided all geotechnical engineering services throughout the entire design and review process in addition to providing complete construction observation and materials testing services. The construction observation and materials testing services included soils, asphalt, concrete, reinforcing steel, structural steel, and weld and bolt observation and testing.