

**Client Contact:**

**Mr. J.C. York, P.E.  
J&T Consulting, Inc.  
303-457-0735**

**Services Provided:**

- **Geotechnical Study**
- **Laboratory Testing**
- **Foundation Recommendations**

**Project Summary:**

Cesare, Inc. (Cesare) performed a geotechnical study for the future relocation of a sewer line and its associated manholes. To help facilitate the relocation of the existing manholes, Cesare drilled five exploratory borings along various locations of the sewer line where samples were obtained from the borings and transported to the Cesare laboratory for further testing. Tests included Atterberg limits, gradations, in-place moisture and density, and percent water soluble sulfates. Cesare was able to provide geotechnical information to the client, such as, foundation recommendations, groundwater conditions, thrust block design criteria, OSHA soil classifications, and concrete/soil reactivity.

