Integrity Engineering was selected as the top firm out of 6 firms solicited by the University of Missouri, Science and Technology to provide Architecture and Engineering services for their Experimental Mine Building Project. The new classroom facility is a two story 15,000 square foot building located just South of Rolla, MO at the University’s Experimental Mine. This new building provides much needed classroom and lab space to accommodate the University’s growing Mining Engineering program. The project included full architectural, structural, mechanical, electrical, plumbing and site design for the two story facility. Features of the facility include zoned high efficiency HVAC system with energy recovery ventilators, multi-voltage 1200 AMP electrical services to serve the varied mine equipment, three mine processing laboratories, security and RFID access system, computer labs, and pneumatic air supply system. The project was particularly challenging in that access to the building and parking had to meet ADA requirements with the existing site being underplayed by solid rock with 10-15% grades around the facility. Site upgrades included upgraded parking for 70 vehicles, paved access road, concrete modular walls and handrails to accommodate parking and access. Also included was a wastewater lift station, 2000 feet of force main, and an innovative water system to use the facilities limited capacity well.